activemq-cpp-3.2.5

Generated by Doxygen 1.7.3

Mon Mar 7 2011 22:30:15

Contents

1 Namespace Index **1**
1.1 Namespace List 1

2 Data Structure Index **3**
2.1 Class Hierarchy 3

3 Data Structure Index **25**
3.1 Data Structures 25

4 File Index **67**
4.1 File List 67

5 Namespace Documentation **93**
5.1 activemq Namespace Reference 93
5.1.1 Detailed Description 93
5.2 activemq::cmsutil Namespace Reference 94
5.3 activemq::commands Namespace Reference 95
5.4 activemq::core Namespace Reference 96
5.5 activemq::core::policies Namespace Reference 98
5.6 activemq::exceptions Namespace Reference 98
5.7 activemq::io Namespace Reference 98
5.8 activemq::library Namespace Reference 98
5.9 activemq::state Namespace Reference 98
5.10 activemq::threads Namespace Reference 99
5.11 activemq::transport Namespace Reference 99
5.12 activemq::transport::correlator Namespace Reference 100
5.13 activemq::transport::failover Namespace Reference 100
5.14 activemq::transport::inactivity Namespace Reference 101
5.15 activemq::transport::logging Namespace Reference 101
5.16 activemq::transport::mock Namespace Reference 101
5.17 activemq::transport::tcp Namespace Reference 102
5.18 activemq::util Namespace Reference 102
5.19 activemq::wireformat Namespace Reference 103
5.20 activemq::wireformat::openwire Namespace Reference 103
5.21 activemq::wireformat::openwire::marshal Namespace Reference . . . 104
5.22 activemq::wireformat::openwire::marshal::v1 Namespace Reference . 104
5.23 activemq::wireformat::openwire::marshal::v2 Namespace Reference . 109
5.24 activemq::wireformat::openwire::marshal::v3 Namespace Reference . 113
5.25 activemq::wireformat::openwire::marshal::v4 Namespace Reference . 117

5.26 activemq::wireformat::openwire::marshal::v5 Namespace Reference . 121
5.27 activemq::wireformat::openwire::marshal::v6 Namespace Reference . 126
5.28 activemq::wireformat::openwire::utils Namespace Reference 130
5.29 activemq::wireformat::stomp Namespace Reference 130
5.30 cms Namespace Reference 131
5.30.1 Detailed Description 134
5.31 decaf Namespace Reference 134
5.31.1 Detailed Description 134
5.32 decaf::internal Namespace Reference 135
5.33 decaf::internal::io Namespace Reference 135
5.34 decaf::internal::net Namespace Reference 135
5.35 decaf::internal::net::ssl Namespace Reference 136
5.36 decaf::internal::net::ssl::openssl Namespace Reference 136
5.37 decaf::internal::net::tcp Namespace Reference 137
5.38 decaf::internal::nio Namespace Reference 138
5.39 decaf::internal::security Namespace Reference 138
5.40 decaf::internal::util Namespace Reference 138
5.41 decaf::internal::util::concurrent Namespace Reference 139
5.42 decaf::io Namespace Reference 139
5.43 decaf::lang Namespace Reference 141
5.43.1 Function Documentation 143
5.43.1.1 operator!= 143
5.43.1.2 operator!= 143
5.43.1.3 operator!= 143
5.43.1.4 operator!= 144
5.43.1.5 operator== 144
5.43.1.6 operator== 144
5.43.1.7 operator== 144
5.43.1.8 operator== 144
5.44 decaf::lang::exceptions Namespace Reference 144
5.45 decaf::net Namespace Reference 145
5.46 decaf::net::ssl Namespace Reference 146
5.47 decaf::nio Namespace Reference 147
5.48 decaf::security Namespace Reference 147
5.49 decaf::security::auth Namespace Reference 148
5.50 decaf::security::auth::x500 Namespace Reference 148
5.51 decaf::security::cert Namespace Reference 148
5.52 decaf::util Namespace Reference 149
5.53 decaf::util::comparators Namespace Reference 151
5.54 decaf::util::concurrent Namespace Reference 151
5.55 decaf::util::concurrent::atomic Namespace Reference 153
5.56 decaf::util::concurrent::locks Namespace Reference 153
5.57 decaf::util::logging Namespace Reference 154
5.57.1 Enumeration Type Documentation 155
5.57.1.1 Levels 155
5.58 decaf::util::zip Namespace Reference 156
5.59 std Namespace Reference 157

6 Data Structure Documentation 159
6.1 decaf::util::AbstractCollection< E > Class Template Reference . . . 159

6.1.1 Detailed Description 161
6.1.2 Constructor & Destructor Documentation 162
6.1.2.1 AbstractCollection 162
6.1.2.2 ∼AbstractCollection 162
6.1.3 Member Function Documentation 162
6.1.3.1 add 162
6.1.3.2 addAll 163
6.1.3.3 clear 163
6.1.3.4 contains 164
6.1.3.5 containsAll 165
6.1.3.6 copy 165
6.1.3.7 equals 166
6.1.3.8 isEmpty 166
6.1.3.9 lock 167
6.1.3.10 notify 167
6.1.3.11 notifyAll 167
6.1.3.12 operator= 168
6.1.3.13 remove 168
6.1.3.14 removeAll 169
6.1.3.15 retainAll 170
6.1.3.16 toArray 170
6.1.3.17 tryLock 171
6.1.3.18 unlock 171
6.1.3.19 wait 171
6.1.3.20 wait 172
6.1.3.21 wait 172
6.1.4 Field Documentation 173
6.1.4.1 mutex 173
6.2 decaf::util::AbstractList< E > Class Template Reference 173
6.2.1 Detailed Description 173
6.2.2 Constructor & Destructor Documentation 174
6.2.2.1 ∼AbstractList 174
6.3 decaf::util::AbstractMap< K, V, COMPARATOR > Class Template Reference 174
6.3.1 Detailed Description 175
6.3.2 Constructor & Destructor Documentation 175
6.3.2.1 ∼AbstractMap 175
6.4 decaf::util::AbstractQueue< E > Class Template Reference 175
6.4.1 Detailed Description 176
6.4.2 Constructor & Destructor Documentation 177
6.4.2.1 AbstractQueue 177
6.4.2.2 ∼AbstractQueue 177
6.4.3 Member Function Documentation 177
6.4.3.1 add 177
6.4.3.2 addAll 177
6.4.3.3 clear 178
6.4.3.4 element 178
6.4.3.5 remove 179
6.5 decaf::util::AbstractSequentialList< E > Class Template Reference . 179
6.5.1 Detailed Description 180

6.5.2 Constructor & Destructor Documentation 180
6.5.2.1 ∼AbstractSequentialList 180
6.6 decaf::util::AbstractSet< E > Class Template Reference 180
6.6.1 Detailed Description 181
6.6.2 Constructor & Destructor Documentation 181
6.6.2.1 ∼AbstractSet 181
6.6.3 Member Function Documentation 181
6.6.3.1 removeAll 181
6.7 activemq::transport::AbstractTransportFactory Class Reference 182
6.7.1 Detailed Description 183
6.7.2 Constructor & Destructor Documentation 183
6.7.2.1 ∼AbstractTransportFactory 183
6.7.3 Member Function Documentation 183
6.7.3.1 createWireFormat 183
6.8 activemq::core::ActiveMQAckHandler Class Reference 183
6.8.1 Detailed Description 184
6.8.2 Constructor & Destructor Documentation 184
6.8.2.1 ∼ActiveMQAckHandler 184
6.8.3 Member Function Documentation 184
6.8.3.1 acknowledgeMessage 184
6.9 activemq::commands::ActiveMQBlobMessage Class Reference . . . 184
6.9.1 Constructor & Destructor Documentation 186
6.9.1.1 ActiveMQBlobMessage 186
6.9.1.2 ∼ActiveMQBlobMessage 186
6.9.2 Member Function Documentation 186
6.9.2.1 clone 186
6.9.2.2 cloneDataStructure 186
6.9.2.3 copyDataStructure 186
6.9.2.4 equals 187
6.9.2.5 getDataStructureType 187
6.9.2.6 getMimeType 187
6.9.2.7 getName 187
6.9.2.8 getRemoteBlobUrl 188
6.9.2.9 isDeletedByBroker 188
6.9.2.10 setDeletedByBroker 188
6.9.2.11 setMimeType 188
6.9.2.12 setName 188
6.9.2.13 setRemoteBlobUrl 189
6.9.2.14 toString 189
6.9.3 Field Documentation 189
6.9.3.1 BINARY_MIME_TYPE 189
6.9.3.2 ID_ACTIVEMQBLOBMESSAGE 189
6.10 activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller Class Reference 189
6.10.1 Detailed Description 190
6.10.2 Constructor & Destructor Documentation 191
6.10.2.1 ActiveMQBlobMessageMarshaller 191
6.10.2.2 ∼ActiveMQBlobMessageMarshaller 191
6.10.3 Member Function Documentation 191
6.10.3.1 createObject 191

6.10.3.2 getDataStructureType 191
6.10.3.3 looseMarshal 191
6.10.3.4 looseUnmarshal 192
6.10.3.5 tightMarshal1 192
6.10.3.6 tightMarshal2 193
6.10.3.7 tightUnmarshal 193
6.11 activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller Class Reference 194
6.11.1 Detailed Description 195
6.11.2 Constructor & Destructor Documentation 195
6.11.2.1 ActiveMQBlobMessageMarshaller 195
6.11.2.2 ∼ActiveMQBlobMessageMarshaller 195
6.11.3 Member Function Documentation 195
6.11.3.1 createObject 195
6.11.3.2 getDataStructureType 195
6.11.3.3 looseMarshal 195
6.11.3.4 looseUnmarshal 196
6.11.3.5 tightMarshal1 196
6.11.3.6 tightMarshal2 197
6.11.3.7 tightUnmarshal 197
6.12 activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller Class Reference 198
6.12.1 Detailed Description 199
6.12.2 Constructor & Destructor Documentation 199
6.12.2.1 ActiveMQBlobMessageMarshaller 199
6.12.2.2 ∼ActiveMQBlobMessageMarshaller 199
6.12.3 Member Function Documentation 199
6.12.3.1 createObject 199
6.12.3.2 getDataStructureType 199
6.12.3.3 looseMarshal 200
6.12.3.4 looseUnmarshal 200
6.12.3.5 tightMarshal1 201
6.12.3.6 tightMarshal2 201
6.12.3.7 tightUnmarshal 202
6.13 activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller Class Reference 202
6.13.1 Detailed Description 203
6.13.2 Constructor & Destructor Documentation 203
6.13.2.1 ActiveMQBlobMessageMarshaller 203
6.13.2.2 ∼ActiveMQBlobMessageMarshaller 203
6.13.3 Member Function Documentation 203
6.13.3.1 createObject 203
6.13.3.2 getDataStructureType 204
6.13.3.3 looseMarshal 204
6.13.3.4 looseUnmarshal 204
6.13.3.5 tightMarshal1 205
6.13.3.6 tightMarshal2 205
6.13.3.7 tightUnmarshal 206
6.14 activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller Class Reference 206

6.14.1 Detailed Description 207
6.14.2 Constructor & Destructor Documentation 208
6.14.2.1 ActiveMQBlobMessageMarshaller 208
6.14.2.2 ∼ActiveMQBlobMessageMarshaller 208
6.14.3 Member Function Documentation 208
6.14.3.1 createObject 208
6.14.3.2 getDataStructureType 208
6.14.3.3 looseMarshal 208
6.14.3.4 looseUnmarshal 209
6.14.3.5 tightMarshal1 209
6.14.3.6 tightMarshal2 210
6.14.3.7 tightUnmarshal 210
6.15 activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller Class Reference 211
6.15.1 Detailed Description 212
6.15.2 Constructor & Destructor Documentation 212
6.15.2.1 ActiveMQBlobMessageMarshaller 212
6.15.2.2 ∼ActiveMQBlobMessageMarshaller 212
6.15.3 Member Function Documentation 212
6.15.3.1 createObject 212
6.15.3.2 getDataStructureType 212
6.15.3.3 looseMarshal 212
6.15.3.4 looseUnmarshal 213
6.15.3.5 tightMarshal1 213
6.15.3.6 tightMarshal2 214
6.15.3.7 tightUnmarshal 214
6.16 activemq::commands::ActiveMQBytesMessage Class Reference . . . 215
6.16.1 Constructor & Destructor Documentation 219
6.16.1.1 ActiveMQBytesMessage 219
6.16.1.2 ∼ActiveMQBytesMessage 219
6.16.2 Member Function Documentation 219
6.16.2.1 clearBody 219
6.16.2.2 clone 219
6.16.2.3 cloneDataStructure 219
6.16.2.4 copyDataStructure 219
6.16.2.5 equals 220
6.16.2.6 getBodyBytes 220
6.16.2.7 getBodyLength 221
6.16.2.8 getDataStructureType 221
6.16.2.9 onSend 221
6.16.2.10 readBoolean 221
6.16.2.11 readByte 222
6.16.2.12 readBytes 222
6.16.2.13 readBytes 223
6.16.2.14 readChar 224
6.16.2.15 readDouble 224
6.16.2.16 readFloat 225
6.16.2.17 readInt 225
6.16.2.18 readLong 226
6.16.2.19 readShort 226

6.16.2.20 readString 227
6.16.2.21 readUnsignedShort 227
6.16.2.22 readUTF 228
6.16.2.23 reset 228
6.16.2.24 setBodyBytes 228
6.16.2.25 toString 229
6.16.2.26 writeBoolean 229
6.16.2.27 writeByte 229
6.16.2.28 writeBytes 230
6.16.2.29 writeBytes 230
6.16.2.30 writeChar 231
6.16.2.31 writeDouble 231
6.16.2.32 writeFloat 232
6.16.2.33 writeInt 232
6.16.2.34 writeLong 232
6.16.2.35 writeShort 233
6.16.2.36 writeString 233
6.16.2.37 writeUnsignedShort 234
6.16.2.38 writeUTF 234
6.16.3 Field Documentation 234
6.16.3.1 ID_ACTIVEMQBYTESMESSAGE 234
6.17 activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller Class Reference 235
6.17.1 Detailed Description 236
6.17.2 Constructor & Destructor Documentation 236
6.17.2.1 ActiveMQBytesMessageMarshaller 236
6.17.2.2 ∼ActiveMQBytesMessageMarshaller 236
6.17.3 Member Function Documentation 236
6.17.3.1 createObject 236
6.17.3.2 getDataStructureType 236
6.17.3.3 looseMarshal 236
6.17.3.4 looseUnmarshal 237
6.17.3.5 tightMarshal1 237
6.17.3.6 tightMarshal2 238
6.17.3.7 tightUnmarshal 238
6.18 activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller Class Reference 239
6.18.1 Detailed Description 240
6.18.2 Constructor & Destructor Documentation 240
6.18.2.1 ActiveMQBytesMessageMarshaller 240
6.18.2.2 ∼ActiveMQBytesMessageMarshaller 240
6.18.3 Member Function Documentation 240
6.18.3.1 createObject 240
6.18.3.2 getDataStructureType 240
6.18.3.3 looseMarshal 241
6.18.3.4 looseUnmarshal 241
6.18.3.5 tightMarshal1 242
6.18.3.6 tightMarshal2 242
6.18.3.7 tightUnmarshal 243

6.19 activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller Class Reference . . . 243
6.19.1 Detailed Description . . . 244
6.19.2 Constructor & Destructor Documentation . . . 244
6.19.2.1 ActiveMQBytesMessageMarshaller . . . 244
6.19.2.2 ∼ActiveMQBytesMessageMarshaller . . . 244
6.19.3 Member Function Documentation . . . 244
6.19.3.1 createObject . . . 244
6.19.3.2 getDataStructureType . . . 245
6.19.3.3 looseMarshal . . . 245
6.19.3.4 looseUnmarshal . . . 245
6.19.3.5 tightMarshal1 . . . 246
6.19.3.6 tightMarshal2 . . . 246
6.19.3.7 tightUnmarshal . . . 247
6.20 activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller Class Reference . . . 247
6.20.1 Detailed Description . . . 248
6.20.2 Constructor & Destructor Documentation . . . 249
6.20.2.1 ActiveMQBytesMessageMarshaller . . . 249
6.20.2.2 ∼ActiveMQBytesMessageMarshaller . . . 249
6.20.3 Member Function Documentation . . . 249
6.20.3.1 createObject . . . 249
6.20.3.2 getDataStructureType . . . 249
6.20.3.3 looseMarshal . . . 249
6.20.3.4 looseUnmarshal . . . 250
6.20.3.5 tightMarshal1 . . . 250
6.20.3.6 tightMarshal2 . . . 251
6.20.3.7 tightUnmarshal . . . 251
6.21 activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller Class Reference . . . 252
6.21.1 Detailed Description . . . 253
6.21.2 Constructor & Destructor Documentation . . . 253
6.21.2.1 ActiveMQBytesMessageMarshaller . . . 253
6.21.2.2 ∼ActiveMQBytesMessageMarshaller . . . 253
6.21.3 Member Function Documentation . . . 253
6.21.3.1 createObject . . . 253
6.21.3.2 getDataStructureType . . . 253
6.21.3.3 looseMarshal . . . 253
6.21.3.4 looseUnmarshal . . . 254
6.21.3.5 tightMarshal1 . . . 254
6.21.3.6 tightMarshal2 . . . 255
6.21.3.7 tightUnmarshal . . . 255
6.22 activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller Class Reference . . . 256
6.22.1 Detailed Description . . . 257
6.22.2 Constructor & Destructor Documentation . . . 257
6.22.2.1 ActiveMQBytesMessageMarshaller . . . 257
6.22.2.2 ∼ActiveMQBytesMessageMarshaller . . . 257
6.22.3 Member Function Documentation . . . 257
6.22.3.1 createObject . . . 257

6.22.3.2 getDataStructureType 257
6.22.3.3 looseMarshal 258
6.22.3.4 looseUnmarshal 258
6.22.3.5 tightMarshal1 259
6.22.3.6 tightMarshal2 259
6.22.3.7 tightUnmarshal 260
6.23 activemq::core::ActiveMQConnection Class Reference 260
6.23.1 Detailed Description 266
6.23.2 Constructor & Destructor Documentation 266
6.23.2.1 ActiveMQConnection 266
6.23.2.2 ∼ActiveMQConnection 266
6.23.3 Member Function Documentation 266
6.23.3.1 addDispatcher 266
6.23.3.2 addProducer 267
6.23.3.3 addTransportListener 267
6.23.3.4 close 267
6.23.3.5 createSession 267
6.23.3.6 createSession 268
6.23.3.7 destroyDestination 268
6.23.3.8 destroyDestination 269
6.23.3.9 fire 269
6.23.3.10 getBrokerURL 269
6.23.3.11 getClientID 270
6.23.3.12 getCloseTimeout 270
6.23.3.13 getConnectionId 270
6.23.3.14 getConnectionInfo 270
6.23.3.15 getExceptionListener 270
6.23.3.16 getMetaData 271
6.23.3.17 getNextLocalTransactionId 271
6.23.3.18 getNextSessionId 271
6.23.3.19 getNextTempDestinationId 271
6.23.3.20 getPassword 272
6.23.3.21 getPrefetchPolicy 272
6.23.3.22 getProducerWindowSize 272
6.23.3.23 getRedeliveryPolicy 272
6.23.3.24 getSendTimeout 272
6.23.3.25 getTransport 273
6.23.3.26 getUsername 273
6.23.3.27 isAlwaysSyncSend 273
6.23.3.28 isClosed 273
6.23.3.29 isDispatchAsync 273
6.23.3.30 isStarted 273
6.23.3.31 isTransportFailed 274
6.23.3.32 isUseAsyncSend 274
6.23.3.33 isUseCompression 274
6.23.3.34 onCommand 274
6.23.3.35 oneway 274
6.23.3.36 onException 275
6.23.3.37 removeDispatcher 275
6.23.3.38 removeProducer 275

6.23.3.39 removeSession 275
6.23.3.40 removeTransportListener 276
6.23.3.41 sendPullRequest 276
6.23.3.42 setAlwaysSyncSend 276
6.23.3.43 setBrokerURL 276
6.23.3.44 setClientID 277
6.23.3.45 setCloseTimeout 277
6.23.3.46 setDefaultClientId 277
6.23.3.47 setDispatchAsync 278
6.23.3.48 setExceptionListener 278
6.23.3.49 setPassword 278
6.23.3.50 setPrefetchPolicy 278
6.23.3.51 setProducerWindowSize 279
6.23.3.52 setRedeliveryPolicy 279
6.23.3.53 setSendTimeout 279
6.23.3.54 setTransportInterruptionProcessingComplete 279
6.23.3.55 setUseAsyncSend 279
6.23.3.56 setUseCompression 280
6.23.3.57 setUsername 280
6.23.3.58 start 280
6.23.3.59 stop 280
6.23.3.60 syncRequest 280
6.23.3.61 transportInterrupted 281
6.23.3.62 transportResumed 281
6.24 activemq::core::ActiveMQConnectionFactory Class Reference 281
6.24.1 Constructor & Destructor Documentation 284
6.24.1.1 ActiveMQConnectionFactory 284
6.24.1.2 ActiveMQConnectionFactory 284
6.24.1.3 ∼ActiveMQConnectionFactory 285
6.24.2 Member Function Documentation 285
6.24.2.1 createConnection 285
6.24.2.2 createConnection 285
6.24.2.3 createConnection 286
6.24.2.4 createConnection 286
6.24.2.5 getBrokerURL 287
6.24.2.6 getClientId 287
6.24.2.7 getCloseTimeout 287
6.24.2.8 getExceptionListener 287
6.24.2.9 getPassword 287
6.24.2.10 getPrefetchPolicy 288
6.24.2.11 getProducerWindowSize 288
6.24.2.12 getRedeliveryPolicy 288
6.24.2.13 getSendTimeout 288
6.24.2.14 getUsername 288
6.24.2.15 isAlwaysSyncSend 289
6.24.2.16 isDispatchAsync 289
6.24.2.17 isUseAsyncSend 289
6.24.2.18 isUseCompression 289
6.24.2.19 setAlwaysSyncSend 289
6.24.2.20 setBrokerURL 290

6.24.2.21 setClientId 290
6.24.2.22 setCloseTimeout 290
6.24.2.23 setDispatchAsync 290
6.24.2.24 setExceptionListener 290
6.24.2.25 setPassword 291
6.24.2.26 setPrefetchPolicy 291
6.24.2.27 setProducerWindowSize 291
6.24.2.28 setRedeliveryPolicy 291
6.24.2.29 setSendTimeout 292
6.24.2.30 setUseAsyncSend 292
6.24.2.31 setUseCompression 292
6.24.2.32 setUsername 292
6.24.3 Field Documentation 293
6.24.3.1 DEFAULT_URI 293
6.25 activemq::core::ActiveMQConnectionMetaData Class Reference . . . 293
6.25.1 Detailed Description 294
6.25.2 Constructor & Destructor Documentation 294
6.25.2.1 ActiveMQConnectionMetaData 294
6.25.2.2 ∼ActiveMQConnectionMetaData 294
6.25.3 Member Function Documentation 294
6.25.3.1 getCMSMajorVersion 294
6.25.3.2 getCMSMinorVersion 294
6.25.3.3 getCMSProviderName 295
6.25.3.4 getCMSVersion 295
6.25.3.5 getCMSXPropertyNames 295
6.25.3.6 getProviderMajorVersion 296
6.25.3.7 getProviderMinorVersion 296
6.25.3.8 getProviderVersion 296
6.26 activemq::core::ActiveMQConstants Class Reference 297
6.26.1 Detailed Description 298
6.26.2 Member Enumeration Documentation 298
6.26.2.1 AckType 298
6.26.2.2 DestinationActions 298
6.26.2.3 DestinationOption 299
6.26.2.4 TransactionState 299
6.26.2.5 URIParam 299
6.26.3 Member Function Documentation 300
6.26.3.1 toDestinationOption 300
6.26.3.2 toString 300
6.26.3.3 toString 300
6.26.3.4 toURIOption 300
6.27 activemq::core::ActiveMQConsumer Class Reference 300
6.27.1 Constructor & Destructor Documentation 303
6.27.1.1 ActiveMQConsumer 303
6.27.1.2 ∼ActiveMQConsumer 303
6.27.2 Member Function Documentation 303
6.27.2.1 acknowledge 303
6.27.2.2 acknowledge 304
6.27.2.3 afterMessageIsConsumed 304
6.27.2.4 beforeMessageIsConsumed 304

6.27.2.5 clearMessagesInProgress 304
6.27.2.6 close 304
6.27.2.7 commit 305
6.27.2.8 deliverAcks 305
6.27.2.9 dequeue 305
6.27.2.10 dispatch 305
6.27.2.11 doClose 306
6.27.2.12 getConsumerId 306
6.27.2.13 getConsumerInfo 306
6.27.2.14 getLastDeliveredSequenceId 306
6.27.2.15 getMessageAvailableCount 306
6.27.2.16 getMessageListener 307
6.27.2.17 getMessageSelector 307
6.27.2.18 getRedeliveryPolicy 307
6.27.2.19 inProgressClearRequired 307
6.27.2.20 isClosed 307
6.27.2.21 isSynchronizationRegistered 308
6.27.2.22 iterate 308
6.27.2.23 receive 308
6.27.2.24 receive 308
6.27.2.25 receiveNoWait 309
6.27.2.26 rollback 309
6.27.2.27 setLastDeliveredSequenceId 309
6.27.2.28 setMessageListener 309
6.27.2.29 setRedeliveryPolicy 310
6.27.2.30 setSynchronizationRegistered 310
6.27.2.31 start 310
6.27.2.32 stop 310
6.28 activemq::library::ActiveMQCPP Class Reference 310
6.28.1 Constructor & Destructor Documentation 311
6.28.1.1 ActiveMQCPP 311
6.28.1.2 ActiveMQCPP 311
6.28.1.3 ∼ActiveMQCPP 311
6.28.2 Member Function Documentation 311
6.28.2.1 initializeLibrary 311
6.28.2.2 initializeLibrary 312
6.28.2.3 operator= 312
6.28.2.4 shutdownLibrary 312
6.29 activemq::commands::ActiveMQDestination Class Reference 312
6.29.1 Constructor & Destructor Documentation 315
6.29.1.1 ActiveMQDestination 315
6.29.1.2 ActiveMQDestination 315
6.29.1.3 ∼ActiveMQDestination 315
6.29.2 Member Function Documentation 315
6.29.2.1 cloneDataStructure 315
6.29.2.2 copyDataStructure 316
6.29.2.3 createDestination 316
6.29.2.4 createTemporaryName 316
6.29.2.5 equals 317
6.29.2.6 getClientId 317

6.29.2.7 getCMSDestination 317
6.29.2.8 getDataStructureType 317
6.29.2.9 getDestinationType 318
6.29.2.10 getOptions 318
6.29.2.11 getOrderedTarget 318
6.29.2.12 getPhysicalName 318
6.29.2.13 getPhysicalName 319
6.29.2.14 isAdvisory 319
6.29.2.15 isComposite 319
6.29.2.16 isConnectionAdvisory 319
6.29.2.17 isConsumerAdvisory 319
6.29.2.18 isExclusive 319
6.29.2.19 isOrdered 319
6.29.2.20 isProducerAdvisory 320
6.29.2.21 isQueue 320
6.29.2.22 isTemporary 320
6.29.2.23 isTopic 320
6.29.2.24 isWildcard 320
6.29.2.25 setAdvisory 321
6.29.2.26 setExclusive 321
6.29.2.27 setOrdered 321
6.29.2.28 setOrderedTarget 321
6.29.2.29 setPhysicalName 321
6.29.2.30 toString 321
6.29.3 Field Documentation 322
6.29.3.1 advisory 322
6.29.3.2 ADVISORY_PREFIX 322
6.29.3.3 COMPOSITE_SEPARATOR 322
6.29.3.4 CONNECTION_ADVISORY_PREFIX 322
6.29.3.5 CONSUMER_ADVISORY_PREFIX 322
6.29.3.6 DEFAULT_ORDERED_TARGET 322
6.29.3.7 exclusive 323
6.29.3.8 ID_ACTIVEMQDESTINATION 323
6.29.3.9 options 323
6.29.3.10 ordered 323
6.29.3.11 orderedTarget 323
6.29.3.12 physicalName 323
6.29.3.13 PRODUCER_ADVISORY_PREFIX 323
6.29.3.14 QUEUE_QUALIFIED_PREFIX 323
6.29.3.15 TEMP_POSTFIX 323
6.29.3.16 TEMP_PREFIX 323
6.29.3.17 TEMP_QUEUE_QUALIFED_PREFIX 323
6.29.3.18 TEMP_TOPIC_QUALIFED_PREFIX 323
6.29.3.19 TOPIC_QUALIFIED_PREFIX 323
6.30 activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller Class Reference 324
6.30.1 Detailed Description 324
6.30.2 Constructor & Destructor Documentation 325
6.30.2.1 ActiveMQDestinationMarshaller 325
6.30.2.2 ∼ActiveMQDestinationMarshaller 325

6.30.3 Member Function Documentation 325
6.30.3.1 looseMarshal 325
6.30.3.2 looseUnmarshal 325
6.30.3.3 tightMarshal1 326
6.30.3.4 tightMarshal2 326
6.30.3.5 tightUnmarshal 327
6.31 activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller Class Reference 328
6.31.1 Detailed Description 328
6.31.2 Constructor & Destructor Documentation 329
6.31.2.1 ActiveMQDestinationMarshaller 329
6.31.2.2 ∼ActiveMQDestinationMarshaller 329
6.31.3 Member Function Documentation 329
6.31.3.1 looseMarshal 329
6.31.3.2 looseUnmarshal 329
6.31.3.3 tightMarshal1 330
6.31.3.4 tightMarshal2 330
6.31.3.5 tightUnmarshal 331
6.32 activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller Class Reference 332
6.32.1 Detailed Description 332
6.32.2 Constructor & Destructor Documentation 333
6.32.2.1 ActiveMQDestinationMarshaller 333
6.32.2.2 ∼ActiveMQDestinationMarshaller 333
6.32.3 Member Function Documentation 333
6.32.3.1 looseMarshal 333
6.32.3.2 looseUnmarshal 333
6.32.3.3 tightMarshal1 334
6.32.3.4 tightMarshal2 334
6.32.3.5 tightUnmarshal 335
6.33 activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller Class Reference 336
6.33.1 Detailed Description 336
6.33.2 Constructor & Destructor Documentation 337
6.33.2.1 ActiveMQDestinationMarshaller 337
6.33.2.2 ∼ActiveMQDestinationMarshaller 337
6.33.3 Member Function Documentation 337
6.33.3.1 looseMarshal 337
6.33.3.2 looseUnmarshal 337
6.33.3.3 tightMarshal1 338
6.33.3.4 tightMarshal2 338
6.33.3.5 tightUnmarshal 339
6.34 activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller Class Reference 340
6.34.1 Detailed Description 340
6.34.2 Constructor & Destructor Documentation 341
6.34.2.1 ActiveMQDestinationMarshaller 341
6.34.2.2 ∼ActiveMQDestinationMarshaller 341
6.34.3 Member Function Documentation 341
6.34.3.1 looseMarshal 341

6.34.3.2 looseUnmarshal 341
6.34.3.3 tightMarshal1 342
6.34.3.4 tightMarshal2 342
6.34.3.5 tightUnmarshal 343
6.35 activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller Class Reference 344
6.35.1 Detailed Description 344
6.35.2 Constructor & Destructor Documentation 345
6.35.2.1 ActiveMQDestinationMarshaller 345
6.35.2.2 ∼ActiveMQDestinationMarshaller 345
6.35.3 Member Function Documentation 345
6.35.3.1 looseMarshal 345
6.35.3.2 looseUnmarshal 345
6.35.3.3 tightMarshal1 346
6.35.3.4 tightMarshal2 346
6.35.3.5 tightUnmarshal 347
6.36 activemq::exceptions::ActiveMQException Class Reference 348
6.36.1 Constructor & Destructor Documentation 348
6.36.1.1 ActiveMQException 348
6.36.1.2 ActiveMQException 348
6.36.1.3 ActiveMQException 349
6.36.1.4 ActiveMQException 349
6.36.1.5 ∼ActiveMQException 349
6.36.2 Member Function Documentation 349
6.36.2.1 clone 349
6.36.2.2 convertToCMSException 349
6.37 activemq::commands::ActiveMQMapMessage Class Reference 350
6.37.1 Constructor & Destructor Documentation 353
6.37.1.1 ActiveMQMapMessage 353
6.37.1.2 ∼ActiveMQMapMessage 353
6.37.2 Member Function Documentation 353
6.37.2.1 beforeMarshal 353
6.37.2.2 checkMapIsUnmarshalled 353
6.37.2.3 clearBody 354
6.37.2.4 clone 354
6.37.2.5 cloneDataStructure 354
6.37.2.6 copyDataStructure 354
6.37.2.7 equals 355
6.37.2.8 getBoolean 355
6.37.2.9 getByte 355
6.37.2.10 getBytes 356
6.37.2.11 getChar 356
6.37.2.12 getDataStructureType 356
6.37.2.13 getDouble 357
6.37.2.14 getFloat 357
6.37.2.15 getInt 357
6.37.2.16 getLong 358
6.37.2.17 getMap 358
6.37.2.18 getMap 358
6.37.2.19 getMapNames 358

6.37.2.20 getShort 359
6.37.2.21 getString 359
6.37.2.22 isMarshalAware 359
6.37.2.23 itemExists 360
6.37.2.24 setBoolean 360
6.37.2.25 setByte 360
6.37.2.26 setBytes 361
6.37.2.27 setChar 361
6.37.2.28 setDouble 362
6.37.2.29 setFloat 362
6.37.2.30 setInt 362
6.37.2.31 setLong 363
6.37.2.32 setShort 363
6.37.2.33 setString 364
6.37.2.34 toString 364
6.37.3 Field Documentation 364
6.37.3.1 ID_ACTIVEMQMAPMESSAGE 364
6.38 activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller Class Reference 364
6.38.1 Detailed Description 365
6.38.2 Constructor & Destructor Documentation 366
6.38.2.1 ActiveMQMapMessageMarshaller 366
6.38.2.2 ∼ActiveMQMapMessageMarshaller 366
6.38.3 Member Function Documentation 366
6.38.3.1 createObject 366
6.38.3.2 getDataStructureType 366
6.38.3.3 looseMarshal 366
6.38.3.4 looseUnmarshal 367
6.38.3.5 tightMarshal1 367
6.38.3.6 tightMarshal2 368
6.38.3.7 tightUnmarshal 368
6.39 activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller Class Reference 369
6.39.1 Detailed Description 370
6.39.2 Constructor & Destructor Documentation 370
6.39.2.1 ActiveMQMapMessageMarshaller 370
6.39.2.2 ∼ActiveMQMapMessageMarshaller 370
6.39.3 Member Function Documentation 370
6.39.3.1 createObject 370
6.39.3.2 getDataStructureType 370
6.39.3.3 looseMarshal 370
6.39.3.4 looseUnmarshal 371
6.39.3.5 tightMarshal1 371
6.39.3.6 tightMarshal2 372
6.39.3.7 tightUnmarshal 372
6.40 activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller Class Reference 373
6.40.1 Detailed Description 374
6.40.2 Constructor & Destructor Documentation 374
6.40.2.1 ActiveMQMapMessageMarshaller 374

6.40.2.2 ∼ActiveMQMapMessageMarshaller 374
6.40.3 Member Function Documentation 374
6.40.3.1 createObject 374
6.40.3.2 getDataStructureType 374
6.40.3.3 looseMarshal 375
6.40.3.4 looseUnmarshal 375
6.40.3.5 tightMarshal1 376
6.40.3.6 tightMarshal2 376
6.40.3.7 tightUnmarshal 377
6.41 activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller Class Reference 377
6.41.1 Detailed Description 378
6.41.2 Constructor & Destructor Documentation 378
6.41.2.1 ActiveMQMapMessageMarshaller 378
6.41.2.2 ∼ActiveMQMapMessageMarshaller 378
6.41.3 Member Function Documentation 378
6.41.3.1 createObject 378
6.41.3.2 getDataStructureType 379
6.41.3.3 looseMarshal 379
6.41.3.4 looseUnmarshal 379
6.41.3.5 tightMarshal1 380
6.41.3.6 tightMarshal2 380
6.41.3.7 tightUnmarshal 381
6.42 activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller Class Reference 381
6.42.1 Detailed Description 382
6.42.2 Constructor & Destructor Documentation 383
6.42.2.1 ActiveMQMapMessageMarshaller 383
6.42.2.2 ∼ActiveMQMapMessageMarshaller 383
6.42.3 Member Function Documentation 383
6.42.3.1 createObject 383
6.42.3.2 getDataStructureType 383
6.42.3.3 looseMarshal 383
6.42.3.4 looseUnmarshal 384
6.42.3.5 tightMarshal1 384
6.42.3.6 tightMarshal2 385
6.42.3.7 tightUnmarshal 385
6.43 activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller Class Reference 386
6.43.1 Detailed Description 387
6.43.2 Constructor & Destructor Documentation 387
6.43.2.1 ActiveMQMapMessageMarshaller 387
6.43.2.2 ∼ActiveMQMapMessageMarshaller 387
6.43.3 Member Function Documentation 387
6.43.3.1 createObject 387
6.43.3.2 getDataStructureType 387
6.43.3.3 looseMarshal 387
6.43.3.4 looseUnmarshal 388
6.43.3.5 tightMarshal1 388
6.43.3.6 tightMarshal2 389

6.43.3.7 tightUnmarshal 389
6.44 activemq::commands::ActiveMQMessage Class Reference 390
6.44.1 Constructor & Destructor Documentation 391
6.44.1.1 ActiveMQMessage 391
6.44.1.2 ∼ActiveMQMessage 391
6.44.2 Member Function Documentation 391
6.44.2.1 clone 391
6.44.2.2 cloneDataStructure 391
6.44.2.3 copyDataStructure 391
6.44.2.4 equals 392
6.44.2.5 getDataStructureType 392
6.44.2.6 toString 392
6.44.3 Field Documentation 392
6.44.3.1 ID_ACTIVEMQMESSAGE 392
6.45 activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller Class Reference 393
6.45.1 Detailed Description 394
6.45.2 Constructor & Destructor Documentation 394
6.45.2.1 ActiveMQMessageMarshaller 394
6.45.2.2 ∼ActiveMQMessageMarshaller 394
6.45.3 Member Function Documentation 394
6.45.3.1 createObject 394
6.45.3.2 getDataStructureType 394
6.45.3.3 looseMarshal 394
6.45.3.4 looseUnmarshal 395
6.45.3.5 tightMarshal1 395
6.45.3.6 tightMarshal2 396
6.45.3.7 tightUnmarshal 396
6.46 activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller Class Reference 397
6.46.1 Detailed Description 398
6.46.2 Constructor & Destructor Documentation 398
6.46.2.1 ActiveMQMessageMarshaller 398
6.46.2.2 ∼ActiveMQMessageMarshaller 398
6.46.3 Member Function Documentation 398
6.46.3.1 createObject 398
6.46.3.2 getDataStructureType 398
6.46.3.3 looseMarshal 399
6.46.3.4 looseUnmarshal 399
6.46.3.5 tightMarshal1 400
6.46.3.6 tightMarshal2 400
6.46.3.7 tightUnmarshal 401
6.47 activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller Class Reference 401
6.47.1 Detailed Description 402
6.47.2 Constructor & Destructor Documentation 402
6.47.2.1 ActiveMQMessageMarshaller 402
6.47.2.2 ∼ActiveMQMessageMarshaller 402
6.47.3 Member Function Documentation 402
6.47.3.1 createObject 402

6.47.3.2 getDataStructureType 403
6.47.3.3 looseMarshal 403
6.47.3.4 looseUnmarshal 403
6.47.3.5 tightMarshal1 404
6.47.3.6 tightMarshal2 404
6.47.3.7 tightUnmarshal 405
6.48 activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller Class Reference 405
6.48.1 Detailed Description 406
6.48.2 Constructor & Destructor Documentation 407
6.48.2.1 ActiveMQMessageMarshaller 407
6.48.2.2 ∼ActiveMQMessageMarshaller 407
6.48.3 Member Function Documentation 407
6.48.3.1 createObject 407
6.48.3.2 getDataStructureType 407
6.48.3.3 looseMarshal 407
6.48.3.4 looseUnmarshal 408
6.48.3.5 tightMarshal1 408
6.48.3.6 tightMarshal2 409
6.48.3.7 tightUnmarshal 409
6.49 activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller Class Reference 410
6.49.1 Detailed Description 411
6.49.2 Constructor & Destructor Documentation 411
6.49.2.1 ActiveMQMessageMarshaller 411
6.49.2.2 ∼ActiveMQMessageMarshaller 411
6.49.3 Member Function Documentation 411
6.49.3.1 createObject 411
6.49.3.2 getDataStructureType 411
6.49.3.3 looseMarshal 411
6.49.3.4 looseUnmarshal 412
6.49.3.5 tightMarshal1 412
6.49.3.6 tightMarshal2 413
6.49.3.7 tightUnmarshal 413
6.50 activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller Class Reference 414
6.50.1 Detailed Description 415
6.50.2 Constructor & Destructor Documentation 415
6.50.2.1 ActiveMQMessageMarshaller 415
6.50.2.2 ∼ActiveMQMessageMarshaller 415
6.50.3 Member Function Documentation 415
6.50.3.1 createObject 415
6.50.3.2 getDataStructureType 415
6.50.3.3 looseMarshal 416
6.50.3.4 looseUnmarshal 416
6.50.3.5 tightMarshal1 417
6.50.3.6 tightMarshal2 417
6.50.3.7 tightUnmarshal 418
6.51 activemq::commands::ActiveMQMessageTemplate< T > Class Template Reference 418

6.51.1 Constructor & Destructor Documentation 422
6.51.1.1 ActiveMQMessageTemplate 422
6.51.1.2 ∼ActiveMQMessageTemplate 422
6.51.2 Member Function Documentation 422
6.51.2.1 acknowledge 422
6.51.2.2 clearBody 422
6.51.2.3 clearProperties 423
6.51.2.4 equals 423
6.51.2.5 failIfReadOnlyBody 423
6.51.2.6 failIfReadOnlyProperties 423
6.51.2.7 failIfWriteOnlyBody 423
6.51.2.8 getBooleanProperty 423
6.51.2.9 getByteProperty 424
6.51.2.10 getCMSCorrelationID 424
6.51.2.11 getCMSDeliveryMode 425
6.51.2.12 getCMSDestination 425
6.51.2.13 getCMSExpiration 425
6.51.2.14 getCMSMessageID 426
6.51.2.15 getCMSPriority 426
6.51.2.16 getCMSRedelivered 426
6.51.2.17 getCMSReplyTo 427
6.51.2.18 getCMSTimestamp 427
6.51.2.19 getCMSType 427
6.51.2.20 getDoubleProperty 428
6.51.2.21 getFloatProperty 428
6.51.2.22 getIntProperty 429
6.51.2.23 getLongProperty 429
6.51.2.24 getPropertyNames 430
6.51.2.25 getShortProperty 430
6.51.2.26 getStringProperty 430
6.51.2.27 onSend 431
6.51.2.28 propertyExists 431
6.51.2.29 setBooleanProperty 431
6.51.2.30 setByteProperty 432
6.51.2.31 setCMSCorrelationID 432
6.51.2.32 setCMSDeliveryMode 432
6.51.2.33 setCMSDestination 433
6.51.2.34 setCMSExpiration 433
6.51.2.35 setCMSMessageID 433
6.51.2.36 setCMSPriority 434
6.51.2.37 setCMSRedelivered 434
6.51.2.38 setCMSReplyTo 434
6.51.2.39 setCMSTimestamp 435
6.51.2.40 setCMSType 435
6.51.2.41 setDoubleProperty 435
6.51.2.42 setFloatProperty 436
6.51.2.43 setIntProperty 436
6.51.2.44 setLongProperty 436
6.51.2.45 setShortProperty 437
6.51.2.46 setStringProperty 437

6.52 activemq::commands::ActiveMQObjectMessage Class Reference . . . 438
6.52.1 Constructor & Destructor Documentation 439
6.52.1.1 ActiveMQObjectMessage 439
6.52.1.2 ∼ActiveMQObjectMessage 439
6.52.2 Member Function Documentation 439
6.52.2.1 clone 439
6.52.2.2 cloneDataStructure 439
6.52.2.3 copyDataStructure 439
6.52.2.4 equals 439
6.52.2.5 getDataStructureType 440
6.52.2.6 toString 440
6.52.3 Field Documentation 440
6.52.3.1 ID_ACTIVEMQOBJECTMESSAGE 440
6.53 activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller Class Reference 440
6.53.1 Detailed Description 441
6.53.2 Constructor & Destructor Documentation 442
6.53.2.1 ActiveMQObjectMessageMarshaller 442
6.53.2.2 ∼ActiveMQObjectMessageMarshaller 442
6.53.3 Member Function Documentation 442
6.53.3.1 createObject 442
6.53.3.2 getDataStructureType 442
6.53.3.3 looseMarshal 442
6.53.3.4 looseUnmarshal 443
6.53.3.5 tightMarshal1 443
6.53.3.6 tightMarshal2 444
6.53.3.7 tightUnmarshal 444
6.54 activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller Class Reference 445
6.54.1 Detailed Description 446
6.54.2 Constructor & Destructor Documentation 446
6.54.2.1 ActiveMQObjectMessageMarshaller 446
6.54.2.2 ∼ActiveMQObjectMessageMarshaller 446
6.54.3 Member Function Documentation 446
6.54.3.1 createObject 446
6.54.3.2 getDataStructureType 446
6.54.3.3 looseMarshal 446
6.54.3.4 looseUnmarshal 447
6.54.3.5 tightMarshal1 447
6.54.3.6 tightMarshal2 448
6.54.3.7 tightUnmarshal 448
6.55 activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller Class Reference 449
6.55.1 Detailed Description 450
6.55.2 Constructor & Destructor Documentation 450
6.55.2.1 ActiveMQObjectMessageMarshaller 450
6.55.2.2 ∼ActiveMQObjectMessageMarshaller 450
6.55.3 Member Function Documentation 450
6.55.3.1 createObject 450
6.55.3.2 getDataStructureType 450

6.55.3.3 looseMarshal 451
6.55.3.4 looseUnmarshal 451
6.55.3.5 tightMarshal1 452
6.55.3.6 tightMarshal2 452
6.55.3.7 tightUnmarshal 453
6.56 activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller Class Reference 453
6.56.1 Detailed Description 454
6.56.2 Constructor & Destructor Documentation 454
6.56.2.1 ActiveMQObjectMessageMarshaller 454
6.56.2.2 ∼ActiveMQObjectMessageMarshaller 454
6.56.3 Member Function Documentation 454
6.56.3.1 createObject 454
6.56.3.2 getDataStructureType 455
6.56.3.3 looseMarshal 455
6.56.3.4 looseUnmarshal 455
6.56.3.5 tightMarshal1 456
6.56.3.6 tightMarshal2 456
6.56.3.7 tightUnmarshal 457
6.57 activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller Class Reference 457
6.57.1 Detailed Description 458
6.57.2 Constructor & Destructor Documentation 459
6.57.2.1 ActiveMQObjectMessageMarshaller 459
6.57.2.2 ∼ActiveMQObjectMessageMarshaller 459
6.57.3 Member Function Documentation 459
6.57.3.1 createObject 459
6.57.3.2 getDataStructureType 459
6.57.3.3 looseMarshal 459
6.57.3.4 looseUnmarshal 460
6.57.3.5 tightMarshal1 460
6.57.3.6 tightMarshal2 461
6.57.3.7 tightUnmarshal 461
6.58 activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller Class Reference 462
6.58.1 Detailed Description 463
6.58.2 Constructor & Destructor Documentation 463
6.58.2.1 ActiveMQObjectMessageMarshaller 463
6.58.2.2 ∼ActiveMQObjectMessageMarshaller 463
6.58.3 Member Function Documentation 463
6.58.3.1 createObject 463
6.58.3.2 getDataStructureType 463
6.58.3.3 looseMarshal 463
6.58.3.4 looseUnmarshal 464
6.58.3.5 tightMarshal1 464
6.58.3.6 tightMarshal2 465
6.58.3.7 tightUnmarshal 465
6.59 activemq::core::ActiveMQProducer Class Reference 466
6.59.1 Constructor & Destructor Documentation 468
6.59.1.1 ActiveMQProducer 468

6.59.1.2 ∼ActiveMQProducer 468
6.59.2 Member Function Documentation 468
6.59.2.1 close 468
6.59.2.2 getDeliveryMode 469
6.59.2.3 getDisableMessageID 469
6.59.2.4 getDisableMessageTimeStamp 469
6.59.2.5 getPriority 469
6.59.2.6 getProducerId 469
6.59.2.7 getProducerInfo 470
6.59.2.8 getSendTimeout 470
6.59.2.9 getTimeToLive 470
6.59.2.10 isClosed 470
6.59.2.11 onProducerAck 470
6.59.2.12 send 471
6.59.2.13 send 471
6.59.2.14 send 472
6.59.2.15 send 472
6.59.2.16 setDeliveryMode 473
6.59.2.17 setDisableMessageID 473
6.59.2.18 setDisableMessageTimeStamp 473
6.59.2.19 setPriority 474
6.59.2.20 setSendTimeout 474
6.59.2.21 setTimeToLive 474
6.60 activemq::util::ActiveMQProperties Class Reference 474
6.60.1 Detailed Description 476
6.60.2 Constructor & Destructor Documentation 476
6.60.2.1 ActiveMQProperties 476
6.60.2.2 ∼ActiveMQProperties 476
6.60.3 Member Function Documentation 476
6.60.3.1 clear 476
6.60.3.2 clone 476
6.60.3.3 copy 476
6.60.3.4 getProperties 477
6.60.3.5 getProperties 477
6.60.3.6 getProperty 477
6.60.3.7 getProperty 477
6.60.3.8 hasProperty 477
6.60.3.9 isEmpty 478
6.60.3.10 remove 478
6.60.3.11 setProperties 478
6.60.3.12 setProperty 478
6.60.3.13 toArray 479
6.60.3.14 toString 479
6.61 activemq::commands::ActiveMQQueue Class Reference 479
6.61.1 Constructor & Destructor Documentation 480
6.61.1.1 ActiveMQQueue 480
6.61.1.2 ActiveMQQueue 480
6.61.1.3 ∼ActiveMQQueue 480
6.61.2 Member Function Documentation 480
6.61.2.1 clone 480

6.61.2.2 cloneDataStructure 481
6.61.2.3 copy 481
6.61.2.4 copyDataStructure 481
6.61.2.5 equals 481
6.61.2.6 getCMSDestination 482
6.61.2.7 getCMSProperties 482
6.61.2.8 getDataStructureType 482
6.61.2.9 getDestinationType 482
6.61.2.10 getQueueName 483
6.61.2.11 toString 483
6.61.3 Field Documentation 483
6.61.3.1 ID_ACTIVEMQQUEUE 483
6.62 activemq::core::ActiveMQQueueBrowser Class Reference 483
6.62.1 Constructor & Destructor Documentation 484
6.62.1.1 ActiveMQQueueBrowser 484
6.62.1.2 ∼ActiveMQQueueBrowser 484
6.62.2 Member Function Documentation 484
6.62.2.1 close 484
6.62.2.2 getEnumeration 485
6.62.2.3 getMessageSelector 485
6.62.2.4 getQueue 485
6.62.2.5 hasMoreMessages 486
6.62.2.6 nextMessage 486
6.62.3 Friends And Related Function Documentation 486
6.62.3.1 Browser 486
6.63 activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller Class Reference 487
6.63.1 Detailed Description 488
6.63.2 Constructor & Destructor Documentation 488
6.63.2.1 ActiveMQQueueMarshaller 488
6.63.2.2 ∼ActiveMQQueueMarshaller 488
6.63.3 Member Function Documentation 488
6.63.3.1 createObject 488
6.63.3.2 getDataStructureType 488
6.63.3.3 looseMarshal 488
6.63.3.4 looseUnmarshal 489
6.63.3.5 tightMarshal1 489
6.63.3.6 tightMarshal2 490
6.63.3.7 tightUnmarshal 490
6.64 activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller Class Reference 491
6.64.1 Detailed Description 492
6.64.2 Constructor & Destructor Documentation 492
6.64.2.1 ActiveMQQueueMarshaller 492
6.64.2.2 ∼ActiveMQQueueMarshaller 492
6.64.3 Member Function Documentation 492
6.64.3.1 createObject 492
6.64.3.2 getDataStructureType 492
6.64.3.3 looseMarshal 493
6.64.3.4 looseUnmarshal 493

6.64.3.5 tightMarshal1 494
6.64.3.6 tightMarshal2 494
6.64.3.7 tightUnmarshal 495
6.65 activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller Class Reference 495
6.65.1 Detailed Description 496
6.65.2 Constructor & Destructor Documentation 496
6.65.2.1 ActiveMQQueueMarshaller 496
6.65.2.2 ∼ActiveMQQueueMarshaller 496
6.65.3 Member Function Documentation 496
6.65.3.1 createObject 496
6.65.3.2 getDataStructureType 497
6.65.3.3 looseMarshal 497
6.65.3.4 looseUnmarshal 497
6.65.3.5 tightMarshal1 498
6.65.3.6 tightMarshal2 498
6.65.3.7 tightUnmarshal 499
6.66 activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller Class Reference 499
6.66.1 Detailed Description 500
6.66.2 Constructor & Destructor Documentation 501
6.66.2.1 ActiveMQQueueMarshaller 501
6.66.2.2 ∼ActiveMQQueueMarshaller 501
6.66.3 Member Function Documentation 501
6.66.3.1 createObject 501
6.66.3.2 getDataStructureType 501
6.66.3.3 looseMarshal 501
6.66.3.4 looseUnmarshal 502
6.66.3.5 tightMarshal1 502
6.66.3.6 tightMarshal2 503
6.66.3.7 tightUnmarshal 503
6.67 activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller Class Reference 504
6.67.1 Detailed Description 505
6.67.2 Constructor & Destructor Documentation 505
6.67.2.1 ActiveMQQueueMarshaller 505
6.67.2.2 ∼ActiveMQQueueMarshaller 505
6.67.3 Member Function Documentation 505
6.67.3.1 createObject 505
6.67.3.2 getDataStructureType 505
6.67.3.3 looseMarshal 505
6.67.3.4 looseUnmarshal 506
6.67.3.5 tightMarshal1 506
6.67.3.6 tightMarshal2 507
6.67.3.7 tightUnmarshal 507
6.68 activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller Class Reference 508
6.68.1 Detailed Description 509
6.68.2 Constructor & Destructor Documentation 509
6.68.2.1 ActiveMQQueueMarshaller 509

6.68.2.2 ∼ActiveMQQueueMarshaller 509
6.68.3 Member Function Documentation 509
6.68.3.1 createObject 509
6.68.3.2 getDataStructureType 509
6.68.3.3 looseMarshal 510
6.68.3.4 looseUnmarshal 510
6.68.3.5 tightMarshal1 511
6.68.3.6 tightMarshal2 511
6.68.3.7 tightUnmarshal 512
6.69 activemq::core::ActiveMQSession Class Reference 512
6.69.1 Constructor & Destructor Documentation 517
6.69.1.1 ActiveMQSession 517
6.69.1.2 ∼ActiveMQSession 517
6.69.2 Member Function Documentation 517
6.69.2.1 acknowledge 517
6.69.2.2 addConsumer 517
6.69.2.3 addProducer 517
6.69.2.4 clearMessagesInProgress 518
6.69.2.5 close 518
6.69.2.6 commit 518
6.69.2.7 createBrowser 518
6.69.2.8 createBrowser 519
6.69.2.9 createBytesMessage 519
6.69.2.10 createBytesMessage 520
6.69.2.11 createConsumer 520
6.69.2.12 createConsumer 520
6.69.2.13 createConsumer 521
6.69.2.14 createDurableConsumer 521
6.69.2.15 createMapMessage 522
6.69.2.16 createMessage 522
6.69.2.17 createProducer 522
6.69.2.18 createQueue 522
6.69.2.19 createStreamMessage 523
6.69.2.20 createTemporaryQueue 523
6.69.2.21 createTemporaryTopic 523
6.69.2.22 createTextMessage 524
6.69.2.23 createTextMessage 524
6.69.2.24 createTopic 524
6.69.2.25 deliverAcks 525
6.69.2.26 dispatch 525
6.69.2.27 doStartTransaction 525
6.69.2.28 fire 525
6.69.2.29 getAcknowledgeMode 525
6.69.2.30 getConnection 526
6.69.2.31 getExceptionListener 526
6.69.2.32 getLastDeliveredSequenceId 526
6.69.2.33 getNextConsumerId 526
6.69.2.34 getNextProducerId 526
6.69.2.35 getSessionId 527
6.69.2.36 getSessionInfo 527

6.69.2.37 getTransactionContext 527
6.69.2.38 isAutoAcknowledge 527
6.69.2.39 isClientAcknowledge 527
6.69.2.40 isDupsOkAcknowledge 527
6.69.2.41 isIndividualAcknowledge 528
6.69.2.42 isStarted 528
6.69.2.43 isTransacted 528
6.69.2.44 oneway 528
6.69.2.45 recover 528
6.69.2.46 redispatch 529
6.69.2.47 removeConsumer 529
6.69.2.48 removeProducer 529
6.69.2.49 rollback 530
6.69.2.50 send 530
6.69.2.51 setLastDeliveredSequenceId 530
6.69.2.52 start 531
6.69.2.53 stop 531
6.69.2.54 syncRequest 531
6.69.2.55 unsubscribe 531
6.69.2.56 wakeup 532
6.69.3 Friends And Related Function Documentation 532
6.69.3.1 ActiveMQSessionExecutor 532
6.70 activemq::core::ActiveMQSessionExecutor Class Reference 532
6.70.1 Detailed Description 533
6.70.2 Constructor & Destructor Documentation 533
6.70.2.1 ActiveMQSessionExecutor 533
6.70.2.2 ∼ActiveMQSessionExecutor 533
6.70.3 Member Function Documentation 533
6.70.3.1 clear 533
6.70.3.2 clearMessagesInProgress 533
6.70.3.3 close 534
6.70.3.4 execute 534
6.70.3.5 executeFirst 534
6.70.3.6 getUnconsumedMessages 534
6.70.3.7 hasUncomsumedMessages 534
6.70.3.8 isEmpty 535
6.70.3.9 isRunning 535
6.70.3.10 iterate 535
6.70.3.11 start 535
6.70.3.12 stop 535
6.70.3.13 wakeup 535
6.71 activemq::commands::ActiveMQStreamMessage Class Reference . . 535
6.71.1 Constructor & Destructor Documentation 539
6.71.1.1 ActiveMQStreamMessage 539
6.71.1.2 ∼ActiveMQStreamMessage 539
6.71.2 Member Function Documentation 539
6.71.2.1 clearBody 539
6.71.2.2 clone 539
6.71.2.3 cloneDataStructure 539
6.71.2.4 copyDataStructure 540

6.71.2.5 equals 540
6.71.2.6 getDataStructureType 540
6.71.2.7 onSend 540
6.71.2.8 readBoolean 541
6.71.2.9 readByte 541
6.71.2.10 readBytes 542
6.71.2.11 readBytes 542
6.71.2.12 readChar 543
6.71.2.13 readDouble 544
6.71.2.14 readFloat 544
6.71.2.15 readInt 545
6.71.2.16 readLong 545
6.71.2.17 readShort 546
6.71.2.18 readString 546
6.71.2.19 readUnsignedShort 547
6.71.2.20 reset 547
6.71.2.21 toString 547
6.71.2.22 writeBoolean 548
6.71.2.23 writeByte 548
6.71.2.24 writeBytes 548
6.71.2.25 writeBytes 549
6.71.2.26 writeChar 549
6.71.2.27 writeDouble 550
6.71.2.28 writeFloat 550
6.71.2.29 writeInt 551
6.71.2.30 writeLong 551
6.71.2.31 writeShort 551
6.71.2.32 writeString 552
6.71.2.33 writeUnsignedShort 552
6.71.3 Field Documentation 553
6.71.3.1 ID_ACTIVEMQSTREAMMESSAGE 553
6.72 activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller Class Reference 553
6.72.1 Detailed Description 554
6.72.2 Constructor & Destructor Documentation 554
6.72.2.1 ActiveMQStreamMessageMarshaller 554
6.72.2.2 ∼ActiveMQStreamMessageMarshaller 554
6.72.3 Member Function Documentation 554
6.72.3.1 createObject 554
6.72.3.2 getDataStructureType 554
6.72.3.3 looseMarshal 555
6.72.3.4 looseUnmarshal 555
6.72.3.5 tightMarshal1 556
6.72.3.6 tightMarshal2 556
6.72.3.7 tightUnmarshal 557
6.73 activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller Class Reference 557
6.73.1 Detailed Description 558
6.73.2 Constructor & Destructor Documentation 558
6.73.2.1 ActiveMQStreamMessageMarshaller 558

6.73.2.2 ∼ActiveMQStreamMessageMarshaller 558
6.73.3 Member Function Documentation 558
6.73.3.1 createObject 558
6.73.3.2 getDataStructureType 559
6.73.3.3 looseMarshal 559
6.73.3.4 looseUnmarshal 559
6.73.3.5 tightMarshal1 560
6.73.3.6 tightMarshal2 560
6.73.3.7 tightUnmarshal 561
6.74 activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller Class Reference 561
6.74.1 Detailed Description 562
6.74.2 Constructor & Destructor Documentation 563
6.74.2.1 ActiveMQStreamMessageMarshaller 563
6.74.2.2 ∼ActiveMQStreamMessageMarshaller 563
6.74.3 Member Function Documentation 563
6.74.3.1 createObject 563
6.74.3.2 getDataStructureType 563
6.74.3.3 looseMarshal 563
6.74.3.4 looseUnmarshal 564
6.74.3.5 tightMarshal1 564
6.74.3.6 tightMarshal2 565
6.74.3.7 tightUnmarshal 565
6.75 activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller Class Reference 566
6.75.1 Detailed Description 567
6.75.2 Constructor & Destructor Documentation 567
6.75.2.1 ActiveMQStreamMessageMarshaller 567
6.75.2.2 ∼ActiveMQStreamMessageMarshaller 567
6.75.3 Member Function Documentation 567
6.75.3.1 createObject 567
6.75.3.2 getDataStructureType 567
6.75.3.3 looseMarshal 567
6.75.3.4 looseUnmarshal 568
6.75.3.5 tightMarshal1 568
6.75.3.6 tightMarshal2 569
6.75.3.7 tightUnmarshal 569
6.76 activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller Class Reference 570
6.76.1 Detailed Description 571
6.76.2 Constructor & Destructor Documentation 571
6.76.2.1 ActiveMQStreamMessageMarshaller 571
6.76.2.2 ∼ActiveMQStreamMessageMarshaller 571
6.76.3 Member Function Documentation 571
6.76.3.1 createObject 571
6.76.3.2 getDataStructureType 571
6.76.3.3 looseMarshal 572
6.76.3.4 looseUnmarshal 572
6.76.3.5 tightMarshal1 573
6.76.3.6 tightMarshal2 573

6.76.3.7 tightUnmarshal 574
6.77 activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller Class Reference 574
6.77.1 Detailed Description 575
6.77.2 Constructor & Destructor Documentation 575
6.77.2.1 ActiveMQStreamMessageMarshaller 575
6.77.2.2 ∼ActiveMQStreamMessageMarshaller 575
6.77.3 Member Function Documentation 575
6.77.3.1 createObject 575
6.77.3.2 getDataStructureType 576
6.77.3.3 looseMarshal 576
6.77.3.4 looseUnmarshal 576
6.77.3.5 tightMarshal1 577
6.77.3.6 tightMarshal2 577
6.77.3.7 tightUnmarshal 578
6.78 activemq::commands::ActiveMQTempDestination Class Reference . . 578
6.78.1 Constructor & Destructor Documentation 580
6.78.1.1 ActiveMQTempDestination 580
6.78.1.2 ActiveMQTempDestination 580
6.78.1.3 ∼ActiveMQTempDestination 580
6.78.2 Member Function Documentation 580
6.78.2.1 cloneDataStructure 580
6.78.2.2 close 580
6.78.2.3 copyDataStructure 580
6.78.2.4 equals 581
6.78.2.5 getDataStructureType 581
6.78.2.6 setConnection 581
6.78.2.7 toString 582
6.78.3 Field Documentation 582
6.78.3.1 connection 582
6.78.3.2 ID_ACTIVEMQTEMPDESTINATION 582
6.79 activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller Class Reference 582
6.79.1 Detailed Description 583
6.79.2 Constructor & Destructor Documentation 584
6.79.2.1 ActiveMQTempDestinationMarshaller 584
6.79.2.2 ∼ActiveMQTempDestinationMarshaller 584
6.79.3 Member Function Documentation 584
6.79.3.1 looseMarshal 584
6.79.3.2 looseUnmarshal 584
6.79.3.3 tightMarshal1 585
6.79.3.4 tightMarshal2 585
6.79.3.5 tightUnmarshal 586
6.80 activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller Class Reference 587
6.80.1 Detailed Description 587
6.80.2 Constructor & Destructor Documentation 588
6.80.2.1 ActiveMQTempDestinationMarshaller 588
6.80.2.2 ∼ActiveMQTempDestinationMarshaller 588
6.80.3 Member Function Documentation 588

6.80.3.1 looseMarshal 588
6.80.3.2 looseUnmarshal 588
6.80.3.3 tightMarshal1 589
6.80.3.4 tightMarshal2 589
6.80.3.5 tightUnmarshal 590
6.81 activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller Class Reference 591
6.81.1 Detailed Description 591
6.81.2 Constructor & Destructor Documentation 592
6.81.2.1 ActiveMQTempDestinationMarshaller 592
6.81.2.2 ∼ActiveMQTempDestinationMarshaller 592
6.81.3 Member Function Documentation 592
6.81.3.1 looseMarshal 592
6.81.3.2 looseUnmarshal 592
6.81.3.3 tightMarshal1 593
6.81.3.4 tightMarshal2 593
6.81.3.5 tightUnmarshal 594
6.82 activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller Class Reference 595
6.82.1 Detailed Description 595
6.82.2 Constructor & Destructor Documentation 596
6.82.2.1 ActiveMQTempDestinationMarshaller 596
6.82.2.2 ∼ActiveMQTempDestinationMarshaller 596
6.82.3 Member Function Documentation 596
6.82.3.1 looseMarshal 596
6.82.3.2 looseUnmarshal 596
6.82.3.3 tightMarshal1 597
6.82.3.4 tightMarshal2 597
6.82.3.5 tightUnmarshal 598
6.83 activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller Class Reference 599
6.83.1 Detailed Description 599
6.83.2 Constructor & Destructor Documentation 600
6.83.2.1 ActiveMQTempDestinationMarshaller 600
6.83.2.2 ∼ActiveMQTempDestinationMarshaller 600
6.83.3 Member Function Documentation 600
6.83.3.1 looseMarshal 600
6.83.3.2 looseUnmarshal 600
6.83.3.3 tightMarshal1 601
6.83.3.4 tightMarshal2 601
6.83.3.5 tightUnmarshal 602
6.84 activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller Class Reference 603
6.84.1 Detailed Description 603
6.84.2 Constructor & Destructor Documentation 604
6.84.2.1 ActiveMQTempDestinationMarshaller 604
6.84.2.2 ∼ActiveMQTempDestinationMarshaller 604
6.84.3 Member Function Documentation 604
6.84.3.1 looseMarshal 604
6.84.3.2 looseUnmarshal 604

6.84.3.3 tightMarshal1 605
6.84.3.4 tightMarshal2 605
6.84.3.5 tightUnmarshal 606
6.85 activemq::commands::ActiveMQTempQueue Class Reference 606
6.85.1 Constructor & Destructor Documentation 608
6.85.1.1 ActiveMQTempQueue 608
6.85.1.2 ActiveMQTempQueue 608
6.85.1.3 ∼ActiveMQTempQueue 608
6.85.2 Member Function Documentation 608
6.85.2.1 clone 608
6.85.2.2 cloneDataStructure 608
6.85.2.3 copy 608
6.85.2.4 copyDataStructure 609
6.85.2.5 destroy 609
6.85.2.6 equals 609
6.85.2.7 getCMSDestination 609
6.85.2.8 getCMSProperties 610
6.85.2.9 getDataStructureType 610
6.85.2.10 getDestinationType 610
6.85.2.11 getQueueName 610
6.85.2.12 toString 611
6.85.3 Field Documentation 611
6.85.3.1 ID_ACTIVEMQTEMPQUEUE 611
6.86 activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller Class Reference 611
6.86.1 Detailed Description 612
6.86.2 Constructor & Destructor Documentation 612
6.86.2.1 ActiveMQTempQueueMarshaller 612
6.86.2.2 ∼ActiveMQTempQueueMarshaller 612
6.86.3 Member Function Documentation 612
6.86.3.1 createObject 612
6.86.3.2 getDataStructureType 613
6.86.3.3 looseMarshal 613
6.86.3.4 looseUnmarshal 613
6.86.3.5 tightMarshal1 614
6.86.3.6 tightMarshal2 614
6.86.3.7 tightUnmarshal 615
6.87 activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller Class Reference 615
6.87.1 Detailed Description 616
6.87.2 Constructor & Destructor Documentation 616
6.87.2.1 ActiveMQTempQueueMarshaller 616
6.87.2.2 ∼ActiveMQTempQueueMarshaller 616
6.87.3 Member Function Documentation 616
6.87.3.1 createObject 616
6.87.3.2 getDataStructureType 617
6.87.3.3 looseMarshal 617
6.87.3.4 looseUnmarshal 617
6.87.3.5 tightMarshal1 618
6.87.3.6 tightMarshal2 618

6.87.3.7 tightUnmarshal 619
6.88 activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller Class Reference 619
6.88.1 Detailed Description 620
6.88.2 Constructor & Destructor Documentation 621
6.88.2.1 ActiveMQTempQueueMarshaller 621
6.88.2.2 ∼ActiveMQTempQueueMarshaller 621
6.88.3 Member Function Documentation 621
6.88.3.1 createObject 621
6.88.3.2 getDataStructureType 621
6.88.3.3 looseMarshal 621
6.88.3.4 looseUnmarshal 622
6.88.3.5 tightMarshal1 622
6.88.3.6 tightMarshal2 623
6.88.3.7 tightUnmarshal 623
6.89 activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller Class Reference 624
6.89.1 Detailed Description 625
6.89.2 Constructor & Destructor Documentation 625
6.89.2.1 ActiveMQTempQueueMarshaller 625
6.89.2.2 ∼ActiveMQTempQueueMarshaller 625
6.89.3 Member Function Documentation 625
6.89.3.1 createObject 625
6.89.3.2 getDataStructureType 625
6.89.3.3 looseMarshal 625
6.89.3.4 looseUnmarshal 626
6.89.3.5 tightMarshal1 626
6.89.3.6 tightMarshal2 627
6.89.3.7 tightUnmarshal 627
6.90 activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller Class Reference 628
6.90.1 Detailed Description 629
6.90.2 Constructor & Destructor Documentation 629
6.90.2.1 ActiveMQTempQueueMarshaller 629
6.90.2.2 ∼ActiveMQTempQueueMarshaller 629
6.90.3 Member Function Documentation 629
6.90.3.1 createObject 629
6.90.3.2 getDataStructureType 629
6.90.3.3 looseMarshal 630
6.90.3.4 looseUnmarshal 630
6.90.3.5 tightMarshal1 631
6.90.3.6 tightMarshal2 631
6.90.3.7 tightUnmarshal 632
6.91 activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller Class Reference 632
6.91.1 Detailed Description 633
6.91.2 Constructor & Destructor Documentation 633
6.91.2.1 ActiveMQTempQueueMarshaller 633
6.91.2.2 ∼ActiveMQTempQueueMarshaller 633
6.91.3 Member Function Documentation 633

6.91.3.1 createObject 633
6.91.3.2 getDataStructureType 634
6.91.3.3 looseMarshal 634
6.91.3.4 looseUnmarshal 634
6.91.3.5 tightMarshal1 635
6.91.3.6 tightMarshal2 635
6.91.3.7 tightUnmarshal 636
6.92 activemq::commands::ActiveMQTempTopic Class Reference 636
6.92.1 Constructor & Destructor Documentation 638
6.92.1.1 ActiveMQTempTopic 638
6.92.1.2 ActiveMQTempTopic 638
6.92.1.3 ∼ActiveMQTempTopic 638
6.92.2 Member Function Documentation 638
6.92.2.1 clone 638
6.92.2.2 cloneDataStructure 638
6.92.2.3 copy 638
6.92.2.4 copyDataStructure 639
6.92.2.5 destroy 639
6.92.2.6 equals 639
6.92.2.7 getCMSDestination 639
6.92.2.8 getCMSProperties 640
6.92.2.9 getDataStructureType 640
6.92.2.10 getDestinationType 640
6.92.2.11 getTopicName 640
6.92.2.12 toString 641
6.92.3 Field Documentation 641
6.92.3.1 ID_ACTIVEMQTEMPTOPIC 641
6.93 activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller Class Reference 641
6.93.1 Detailed Description 642
6.93.2 Constructor & Destructor Documentation 642
6.93.2.1 ActiveMQTempTopicMarshaller 642
6.93.2.2 ∼ActiveMQTempTopicMarshaller 642
6.93.3 Member Function Documentation 642
6.93.3.1 createObject 642
6.93.3.2 getDataStructureType 643
6.93.3.3 looseMarshal 643
6.93.3.4 looseUnmarshal 643
6.93.3.5 tightMarshal1 644
6.93.3.6 tightMarshal2 644
6.93.3.7 tightUnmarshal 645
6.94 activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller Class Reference 645
6.94.1 Detailed Description 646
6.94.2 Constructor & Destructor Documentation 646
6.94.2.1 ActiveMQTempTopicMarshaller 646
6.94.2.2 ∼ActiveMQTempTopicMarshaller 646
6.94.3 Member Function Documentation 646
6.94.3.1 createObject 646
6.94.3.2 getDataStructureType 647

6.94.3.3 looseMarshal 647
6.94.3.4 looseUnmarshal 647
6.94.3.5 tightMarshal1 648
6.94.3.6 tightMarshal2 648
6.94.3.7 tightUnmarshal 649
6.95 activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller Class Reference 649
6.95.1 Detailed Description 650
6.95.2 Constructor & Destructor Documentation 651
6.95.2.1 ActiveMQTempTopicMarshaller 651
6.95.2.2 ∼ActiveMQTempTopicMarshaller 651
6.95.3 Member Function Documentation 651
6.95.3.1 createObject 651
6.95.3.2 getDataStructureType 651
6.95.3.3 looseMarshal 651
6.95.3.4 looseUnmarshal 652
6.95.3.5 tightMarshal1 652
6.95.3.6 tightMarshal2 653
6.95.3.7 tightUnmarshal 653
6.96 activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller Class Reference 654
6.96.1 Detailed Description 655
6.96.2 Constructor & Destructor Documentation 655
6.96.2.1 ActiveMQTempTopicMarshaller 655
6.96.2.2 ∼ActiveMQTempTopicMarshaller 655
6.96.3 Member Function Documentation 655
6.96.3.1 createObject 655
6.96.3.2 getDataStructureType 655
6.96.3.3 looseMarshal 655
6.96.3.4 looseUnmarshal 656
6.96.3.5 tightMarshal1 656
6.96.3.6 tightMarshal2 657
6.96.3.7 tightUnmarshal 657
6.97 activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller Class Reference 658
6.97.1 Detailed Description 659
6.97.2 Constructor & Destructor Documentation 659
6.97.2.1 ActiveMQTempTopicMarshaller 659
6.97.2.2 ∼ActiveMQTempTopicMarshaller 659
6.97.3 Member Function Documentation 659
6.97.3.1 createObject 659
6.97.3.2 getDataStructureType 659
6.97.3.3 looseMarshal 660
6.97.3.4 looseUnmarshal 660
6.97.3.5 tightMarshal1 661
6.97.3.6 tightMarshal2 661
6.97.3.7 tightUnmarshal 662
6.98 activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller Class Reference 662
6.98.1 Detailed Description 663

6.98.2 Constructor & Destructor Documentation 663
6.98.2.1 ActiveMQTempTopicMarshaller 663
6.98.2.2 ∼ActiveMQTempTopicMarshaller 663
6.98.3 Member Function Documentation 663
6.98.3.1 createObject 663
6.98.3.2 getDataStructureType 664
6.98.3.3 looseMarshal 664
6.98.3.4 looseUnmarshal 664
6.98.3.5 tightMarshal1 665
6.98.3.6 tightMarshal2 665
6.98.3.7 tightUnmarshal 666
6.99 activemq::commands::ActiveMQTextMessage Class Reference 666
6.99.1 Constructor & Destructor Documentation 668
6.99.1.1 ActiveMQTextMessage 668
6.99.1.2 ∼ActiveMQTextMessage 668
6.99.2 Member Function Documentation 668
6.99.2.1 beforeMarshal 668
6.99.2.2 clearBody 668
6.99.2.3 clone 668
6.99.2.4 cloneDataStructure 669
6.99.2.5 copyDataStructure 669
6.99.2.6 equals 669
6.99.2.7 getDataStructureType 669
6.99.2.8 getSize 670
6.99.2.9 getText 670
6.99.2.10 setText 670
6.99.2.11 setText 671
6.99.2.12 toString 671
6.99.3 Field Documentation 671
6.99.3.1 ID_ACTIVEMQTEXTMESSAGE 671
6.99.3.2 text 671
6.100 activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller Class Reference 671
6.100.1 Detailed Description 672
6.100.2 Constructor & Destructor Documentation 673
6.100.2.1 ActiveMQTextMessageMarshaller 673
6.100.2.2 ∼ActiveMQTextMessageMarshaller 673
6.100.3 Member Function Documentation 673
6.100.3.1 createObject 673
6.100.3.2 getDataStructureType 673
6.100.3.3 looseMarshal 673
6.100.3.4 looseUnmarshal 674
6.100.3.5 tightMarshal1 674
6.100.3.6 tightMarshal2 675
6.100.3.7 tightUnmarshal 675
6.101 activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller Class Reference 676
6.101.1 Detailed Description 677
6.101.2 Constructor & Destructor Documentation 677
6.101.2.1 ActiveMQTextMessageMarshaller 677

6.101.2.2 ∼ActiveMQTextMessageMarshaller 677
6.101.3 Member Function Documentation 677
6.101.3.1 createObject 677
6.101.3.2 getDataStructureType 677
6.101.3.3 looseMarshal 677
6.101.3.4 looseUnmarshal 678
6.101.3.5 tightMarshal1 678
6.101.3.6 tightMarshal2 679
6.101.3.7 tightUnmarshal 679
6.102 activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller Class Reference 680
6.102.1 Detailed Description 681
6.102.2 Constructor & Destructor Documentation 681
6.102.2.1 ActiveMQTextMessageMarshaller 681
6.102.2.2 ∼ActiveMQTextMessageMarshaller 681
6.102.3 Member Function Documentation 681
6.102.3.1 createObject 681
6.102.3.2 getDataStructureType 681
6.102.3.3 looseMarshal 682
6.102.3.4 looseUnmarshal 682
6.102.3.5 tightMarshal1 683
6.102.3.6 tightMarshal2 683
6.102.3.7 tightUnmarshal 684
6.103 activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller Class Reference 684
6.103.1 Detailed Description 685
6.103.2 Constructor & Destructor Documentation 685
6.103.2.1 ActiveMQTextMessageMarshaller 685
6.103.2.2 ∼ActiveMQTextMessageMarshaller 685
6.103.3 Member Function Documentation 685
6.103.3.1 createObject 685
6.103.3.2 getDataStructureType 686
6.103.3.3 looseMarshal 686
6.103.3.4 looseUnmarshal 686
6.103.3.5 tightMarshal1 687
6.103.3.6 tightMarshal2 687
6.103.3.7 tightUnmarshal 688
6.104 activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller Class Reference 688
6.104.1 Detailed Description 689
6.104.2 Constructor & Destructor Documentation 690
6.104.2.1 ActiveMQTextMessageMarshaller 690
6.104.2.2 ∼ActiveMQTextMessageMarshaller 690
6.104.3 Member Function Documentation 690
6.104.3.1 createObject 690
6.104.3.2 getDataStructureType 690
6.104.3.3 looseMarshal 690
6.104.3.4 looseUnmarshal 691
6.104.3.5 tightMarshal1 691
6.104.3.6 tightMarshal2 692

6.104.3.7 tightUnmarshal 692
6.105 activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller Class Reference 693
6.105.1 Detailed Description 694
6.105.2 Constructor & Destructor Documentation 694
6.105.2.1 ActiveMQTextMessageMarshaller 694
6.105.2.2 ∼ActiveMQTextMessageMarshaller 694
6.105.3 Member Function Documentation 694
6.105.3.1 createObject 694
6.105.3.2 getDataStructureType 694
6.105.3.3 looseMarshal 694
6.105.3.4 looseUnmarshal 695
6.105.3.5 tightMarshal1 695
6.105.3.6 tightMarshal2 696
6.105.3.7 tightUnmarshal 696
6.106 activemq::commands::ActiveMQTopic Class Reference 697
6.106.1 Constructor & Destructor Documentation 698
6.106.1.1 ActiveMQTopic 698
6.106.1.2 ActiveMQTopic 698
6.106.1.3 ∼ActiveMQTopic 698
6.106.2 Member Function Documentation 698
6.106.2.1 clone 698
6.106.2.2 cloneDataStructure 698
6.106.2.3 copy 699
6.106.2.4 copyDataStructure 699
6.106.2.5 equals 699
6.106.2.6 getCMSDestination 699
6.106.2.7 getCMSProperties 700
6.106.2.8 getDataStructureType 700
6.106.2.9 getDestinationType 700
6.106.2.10 getTopicName 700
6.106.2.11 toString 701
6.106.3 Field Documentation 701
6.106.3.1 ID_ACTIVEMQTOPIC 701
6.107 activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller Class Reference 701
6.107.1 Detailed Description 702
6.107.2 Constructor & Destructor Documentation 702
6.107.2.1 ActiveMQTopicMarshaller 702
6.107.2.2 ∼ActiveMQTopicMarshaller 702
6.107.3 Member Function Documentation 702
6.107.3.1 createObject 702
6.107.3.2 getDataStructureType 703
6.107.3.3 looseMarshal 703
6.107.3.4 looseUnmarshal 703
6.107.3.5 tightMarshal1 704
6.107.3.6 tightMarshal2 704
6.107.3.7 tightUnmarshal 705
6.108 activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller Class Reference 705

6.108.1 Detailed Description 706
6.108.2 Constructor & Destructor Documentation 707
6.108.2.1 ActiveMQTopicMarshaller 707
6.108.2.2 ∼ActiveMQTopicMarshaller 707
6.108.3 Member Function Documentation 707
6.108.3.1 createObject 707
6.108.3.2 getDataStructureType 707
6.108.3.3 looseMarshal 707
6.108.3.4 looseUnmarshal 708
6.108.3.5 tightMarshal1 708
6.108.3.6 tightMarshal2 709
6.108.3.7 tightUnmarshal 709
6.109 activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller Class Reference 710
6.109.1 Detailed Description 711
6.109.2 Constructor & Destructor Documentation 711
6.109.2.1 ActiveMQTopicMarshaller 711
6.109.2.2 ∼ActiveMQTopicMarshaller 711
6.109.3 Member Function Documentation 711
6.109.3.1 createObject 711
6.109.3.2 getDataStructureType 711
6.109.3.3 looseMarshal 711
6.109.3.4 looseUnmarshal 712
6.109.3.5 tightMarshal1 712
6.109.3.6 tightMarshal2 713
6.109.3.7 tightUnmarshal 713
6.110 activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller Class Reference 714
6.110.1 Detailed Description 715
6.110.2 Constructor & Destructor Documentation 715
6.110.2.1 ActiveMQTopicMarshaller 715
6.110.2.2 ∼ActiveMQTopicMarshaller 715
6.110.3 Member Function Documentation 715
6.110.3.1 createObject 715
6.110.3.2 getDataStructureType 715
6.110.3.3 looseMarshal 716
6.110.3.4 looseUnmarshal 716
6.110.3.5 tightMarshal1 717
6.110.3.6 tightMarshal2 717
6.110.3.7 tightUnmarshal 718
6.111 activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller Class Reference 718
6.111.1 Detailed Description 719
6.111.2 Constructor & Destructor Documentation 719
6.111.2.1 ActiveMQTopicMarshaller 719
6.111.2.2 ∼ActiveMQTopicMarshaller 719
6.111.3 Member Function Documentation 719
6.111.3.1 createObject 719
6.111.3.2 getDataStructureType 720
6.111.3.3 looseMarshal 720

6.111.3.4 looseUnmarshal 720
6.111.3.5 tightMarshal1 721
6.111.3.6 tightMarshal2 721
6.111.3.7 tightUnmarshal 722
6.112 activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller Class Reference 722
6.112.1 Detailed Description 723
6.112.2 Constructor & Destructor Documentation 724
6.112.2.1 ActiveMQTopicMarshaller 724
6.112.2.2 ∼ActiveMQTopicMarshaller 724
6.112.3 Member Function Documentation 724
6.112.3.1 createObject 724
6.112.3.2 getDataStructureType 724
6.112.3.3 looseMarshal 724
6.112.3.4 looseUnmarshal 725
6.112.3.5 tightMarshal1 725
6.112.3.6 tightMarshal2 726
6.112.3.7 tightUnmarshal 726
6.113 activemq::core::ActiveMQTransactionContext Class Reference 727
6.113.1 Detailed Description 728
6.113.2 Constructor & Destructor Documentation 728
6.113.2.1 ActiveMQTransactionContext 728
6.113.2.2 ∼ActiveMQTransactionContext 728
6.113.3 Member Function Documentation 728
6.113.3.1 addSynchronization 728
6.113.3.2 begin 728
6.113.3.3 commit 729
6.113.3.4 getTransactionId 729
6.113.3.5 isInTransaction 729
6.113.3.6 removeSynchronization 729
6.113.3.7 rollback 730
6.114 decaf::util::zip::Adler32 Class Reference 730
6.114.1 Detailed Description 731
6.114.2 Constructor & Destructor Documentation 731
6.114.2.1 Adler32 731
6.114.2.2 ∼Adler32 731
6.114.3 Member Function Documentation 731
6.114.3.1 getValue 731
6.114.3.2 reset 731
6.114.3.3 update 731
6.114.3.4 update 732
6.114.3.5 update 732
6.114.3.6 update 732
6.115 decaf::lang::Appendable Class Reference 733
6.115.1 Detailed Description 733
6.115.2 Constructor & Destructor Documentation 734
6.115.2.1 ∼Appendable 734
6.115.3 Member Function Documentation 734
6.115.3.1 append 734
6.115.3.2 append 734

6.115.3.3 append 735
6.116 decaf::internal::AprPool Class Reference 735
6.116.1 Detailed Description 736
6.116.2 Constructor & Destructor Documentation 736
6.116.2.1 AprPool 736
6.116.2.2 ∼AprPool 736
6.116.3 Member Function Documentation 736
6.116.3.1 cleanup 736
6.116.3.2 getAprPool 736
6.116.3.3 getGlobalPool 736
6.117 decaf::lang::ArrayPointer< T, REFCOUNTER > Class Template Reference 736
6.117.1 Detailed Description 738
6.117.2 Member Typedef Documentation 739
6.117.2.1 ConstReferenceType 739
6.117.2.2 CounterType 739
6.117.2.3 PointerType 739
6.117.2.4 ReferenceType 739
6.117.3 Constructor & Destructor Documentation 739
6.117.3.1 ArrayPointer 739
6.117.3.2 ArrayPointer 739
6.117.3.3 ArrayPointer 740
6.117.3.4 ArrayPointer 740
6.117.3.5 ∼ArrayPointer 740
6.117.4 Member Function Documentation 740
6.117.4.1 clone 740
6.117.4.2 get 741
6.117.4.3 length 741
6.117.4.4 operator! 742
6.117.4.5 operator!= 742
6.117.4.6 operator= 742
6.117.4.7 operator= 742
6.117.4.8 operator== 742
6.117.4.9 operator[] 742
6.117.4.10 operator[] 743
6.117.4.11 release 743
6.117.4.12 reset 743
6.117.4.13 swap 743
6.117.5 Friends And Related Function Documentation 744
6.117.5.1 operator!= 744
6.117.5.2 operator!= 744
6.117.5.3 operator== 744
6.117.5.4 operator== 744
6.118 decaf::lang::ArrayPointerComparator< T, R > Class Template Reference 744
6.118.1 Detailed Description 745
6.118.2 Member Function Documentation 745
6.118.2.1 compare 745
6.118.2.2 operator() 745
6.119 decaf::util::concurrent::atomic::AtomicBoolean Class Reference . . . 745
6.119.1 Detailed Description 746

6.119.2 Constructor & Destructor Documentation 746
6.119.2.1 AtomicBoolean 746
6.119.2.2 AtomicBoolean 746
6.119.2.3 ∼AtomicBoolean 747
6.119.3 Member Function Documentation 747
6.119.3.1 compareAndSet 747
6.119.3.2 get 747
6.119.3.3 getAndSet 747
6.119.3.4 set 747
6.119.3.5 toString 748
6.120 decaf::util::concurrent::atomic::AtomicInteger Class Reference 748
6.120.1 Detailed Description 749
6.120.2 Constructor & Destructor Documentation 750
6.120.2.1 AtomicInteger 750
6.120.2.2 AtomicInteger 750
6.120.2.3 ∼AtomicInteger 750
6.120.3 Member Function Documentation 750
6.120.3.1 addAndGet 750
6.120.3.2 compareAndSet 750
6.120.3.3 decrementAndGet 751
6.120.3.4 doubleValue 751
6.120.3.5 floatValue 751
6.120.3.6 get 751
6.120.3.7 getAndAdd 751
6.120.3.8 getAndDecrement 752
6.120.3.9 getAndIncrement 752
6.120.3.10 getAndSet 752
6.120.3.11 incrementAndGet 752
6.120.3.12 intValue 753
6.120.3.13 longValue 753
6.120.3.14 set 753
6.120.3.15 toString 753
6.121 decaf::util::concurrent::atomic::AtomicRefCounter Class Reference . 754
6.121.1 Constructor & Destructor Documentation 755
6.121.1.1 AtomicRefCounter 755
6.121.1.2 AtomicRefCounter 755
6.121.1.3 ∼AtomicRefCounter 755
6.121.2 Member Function Documentation 755
6.121.2.1 release 755
6.121.2.2 swap 756
6.122 decaf::util::concurrent::atomic::AtomicReference< T > Class Template Reference 756
6.122.1 Detailed Description 757
6.122.2 Constructor & Destructor Documentation 757
6.122.2.1 AtomicReference 757
6.122.2.2 AtomicReference 757
6.122.2.3 ∼AtomicReference 757
6.122.3 Member Function Documentation 757
6.122.3.1 compareAndSet 757
6.122.3.2 get 758

6.122.3.3 getAndSet 758
6.122.3.4 set 758
6.122.3.5 toString 758
6.123 activemq::transport::failover::BackupTransport Class Reference . . . 759
6.123.1 Constructor & Destructor Documentation 760
6.123.1.1 BackupTransport 760
6.123.1.2 ∼BackupTransport 760
6.123.2 Member Function Documentation 760
6.123.2.1 getTransport 760
6.123.2.2 getUri 760
6.123.2.3 isClosed 760
6.123.2.4 onException 760
6.123.2.5 setClosed 761
6.123.2.6 setTransport 761
6.123.2.7 setUri 761
6.124 activemq::transport::failover::BackupTransportPool Class Reference . 761
6.124.1 Constructor & Destructor Documentation 763
6.124.1.1 BackupTransportPool 763
6.124.1.2 BackupTransportPool 763
6.124.1.3 ∼BackupTransportPool 763
6.124.2 Member Function Documentation 763
6.124.2.1 getBackup 763
6.124.2.2 getBackupPoolSize 763
6.124.2.3 isEnabled 763
6.124.2.4 isPending 764
6.124.2.5 iterate 764
6.124.2.6 setBackupPoolSize 764
6.124.2.7 setEnabled 764
6.124.3 Friends And Related Function Documentation 764
6.124.3.1 BackupTransport 764
6.125 activemq::commands::BaseCommand Class Reference 764
6.125.1 Constructor & Destructor Documentation 766
6.125.1.1 BaseCommand 766
6.125.1.2 ∼BaseCommand 766
6.125.2 Member Function Documentation 766
6.125.2.1 copyDataStructure 766
6.125.2.2 equals 766
6.125.2.3 getCommandId 767
6.125.2.4 isBrokerInfo 767
6.125.2.5 isConnectionInfo 768
6.125.2.6 isConsumerInfo 768
6.125.2.7 isKeepAliveInfo 768
6.125.2.8 isMessage 768
6.125.2.9 isMessageAck 768
6.125.2.10 isMessageDispatch 768
6.125.2.11 isMessageDispatchNotification 768
6.125.2.12 isProducerAck 769
6.125.2.13 isProducerInfo 769
6.125.2.14 isRemoveInfo 769
6.125.2.15 isRemoveSubscriptionInfo 769

6.125.2.16 isResponse 769
6.125.2.17 isResponseRequired 769
6.125.2.18 isShutdownInfo 770
6.125.2.19 isTransactionInfo 770
6.125.2.20 isWireFormatInfo 770
6.125.2.21 setCommandId 770
6.125.2.22 setResponseRequired 770
6.125.2.23 toString 770
6.126 activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller Class Reference 771
6.126.1 Detailed Description 772
6.126.2 Constructor & Destructor Documentation 772
6.126.2.1 BaseCommandMarshaller 772
6.126.2.2 ~BaseCommandMarshaller 772
6.126.3 Member Function Documentation 772
6.126.3.1 looseMarshal 772
6.126.3.2 looseUnmarshal 774
6.126.3.3 tightMarshal1 775
6.126.3.4 tightMarshal2 776
6.126.3.5 tightUnmarshal 777
6.127 activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller Class Reference 778
6.127.1 Detailed Description 779
6.127.2 Constructor & Destructor Documentation 780
6.127.2.1 BaseCommandMarshaller 780
6.127.2.2 ~BaseCommandMarshaller 780
6.127.3 Member Function Documentation 780
6.127.3.1 looseMarshal 780
6.127.3.2 looseUnmarshal 781
6.127.3.3 tightMarshal1 782
6.127.3.4 tightMarshal2 783
6.127.3.5 tightUnmarshal 784
6.128 activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller Class Reference 786
6.128.1 Detailed Description 787
6.128.2 Constructor & Destructor Documentation 787
6.128.2.1 BaseCommandMarshaller 787
6.128.2.2 ~BaseCommandMarshaller 787
6.128.3 Member Function Documentation 787
6.128.3.1 looseMarshal 787
6.128.3.2 looseUnmarshal 788
6.128.3.3 tightMarshal1 789
6.128.3.4 tightMarshal2 790
6.128.3.5 tightUnmarshal 792
6.129 activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller Class Reference 793
6.129.1 Detailed Description 794
6.129.2 Constructor & Destructor Documentation 794
6.129.2.1 BaseCommandMarshaller 794
6.129.2.2 ~BaseCommandMarshaller 794

6.129.3 Member Function Documentation 794
6.129.3.1 looseMarshal 794
6.129.3.2 looseUnmarshal 795
6.129.3.3 tightMarshal1 796
6.129.3.4 tightMarshal2 797
6.129.3.5 tightUnmarshal 799
6.130 activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller Class Reference 800
6.130.1 Detailed Description 801
6.130.2 Constructor & Destructor Documentation 801
6.130.2.1 BaseCommandMarshaller 801
6.130.2.2 ~BaseCommandMarshaller 801
6.130.3 Member Function Documentation 801
6.130.3.1 looseMarshal 801
6.130.3.2 looseUnmarshal 802
6.130.3.3 tightMarshal1 803
6.130.3.4 tightMarshal2 804
6.130.3.5 tightUnmarshal 806
6.131 activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller Class Reference 807
6.131.1 Detailed Description 808
6.131.2 Constructor & Destructor Documentation 808
6.131.2.1 BaseCommandMarshaller 808
6.131.2.2 ~BaseCommandMarshaller 808
6.131.3 Member Function Documentation 808
6.131.3.1 looseMarshal 808
6.131.3.2 looseUnmarshal 809
6.131.3.3 tightMarshal1 810
6.131.3.4 tightMarshal2 811
6.131.3.5 tightUnmarshal 813
6.132 activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller Class Reference 814
6.132.1 Detailed Description 820
6.132.2 Constructor & Destructor Documentation 820
6.132.2.1 ~BaseDataStreamMarshaller 820
6.132.3 Member Function Documentation 820
6.132.3.1 looseMarshal 820
6.132.3.2 looseMarshalBrokerError 821
6.132.3.3 looseMarshalCachedObject 821
6.132.3.4 looseMarshalLong 821
6.132.3.5 looseMarshalNestedObject 822
6.132.3.6 looseMarshalObjectArray 822
6.132.3.7 looseMarshalString 823
6.132.3.8 looseUnmarshal 823
6.132.3.9 looseUnmarshalBrokerError 823
6.132.3.10 looseUnmarshalByteArray 824
6.132.3.11 looseUnmarshalCachedObject 824
6.132.3.12 looseUnmarshalConstByteArray 825
6.132.3.13 looseUnmarshalLong 825
6.132.3.14 looseUnmarshalNestedObject 825

6.132.3.15looseUnmarshalString 826
6.132.3.16readAsciiString 826
6.132.3.17tightMarshal1 827
6.132.3.18tightMarshal2 827
6.132.3.19tightMarshalBrokerError1 827
6.132.3.20tightMarshalBrokerError2 828
6.132.3.21tightMarshalCachedObject1 828
6.132.3.22tightMarshalCachedObject2 829
6.132.3.23tightMarshalLong1 829
6.132.3.24tightMarshalLong2 829
6.132.3.25tightMarshalNestedObject1 830
6.132.3.26tightMarshalNestedObject2 830
6.132.3.27tightMarshalObjectArray1 831
6.132.3.28tightMarshalObjectArray2 831
6.132.3.29tightMarshalString1 832
6.132.3.30tightMarshalString2 832
6.132.3.31tightUnmarshal 832
6.132.3.32tightUnmarshalBrokerError 833
6.132.3.33tightUnmarshalByteArray 833
6.132.3.34tightUnmarshalCachedObject 834
6.132.3.35tightUnmarshalConstByteArray 834
6.132.3.36tightUnmarshalLong 835
6.132.3.37tightUnmarshalNestedObject 835
6.132.3.38tightUnmarshalString 835
6.132.3.39toHexFromBytes 836
6.132.3.40toString 836
6.132.3.41toString 836
6.132.3.42toString 837
6.133activemq::commands::BaseDataStructure Class Reference 837
6.133.1 Constructor & Destructor Documentation 838
6.133.1.1 ~BaseDataStructure 838
6.133.2 Member Function Documentation 838
6.133.2.1 afterMarshal 838
6.133.2.2 afterUnmarshal 839
6.133.2.3 beforeMarshal 839
6.133.2.4 beforeUnmarshal 839
6.133.2.5 copyDataStructure 839
6.133.2.6 equals 840
6.133.2.7 getMarshaledForm 840
6.133.2.8 isMarshalAware 840
6.133.2.9 setMarshaledForm 841
6.133.2.10toString 841
6.134binary_function Class Reference 842
6.135decaf::net::BindException Class Reference 842
6.135.1 Constructor & Destructor Documentation 843
6.135.1.1 BindException 843
6.135.1.2 BindException 843
6.135.1.3 BindException 843
6.135.1.4 BindException 843
6.135.1.5 BindException 844

6.135.1.6 BindException 844
6.135.1.7 ∼BindException 844
6.135.2 Member Function Documentation 844
6.135.2.1 clone 844
6.136 decaf::io::BlockingByteArrayInputStream Class Reference 845
6.136.1 Detailed Description 846
6.136.2 Constructor & Destructor Documentation 846
6.136.2.1 BlockingByteArrayInputStream 846
6.136.2.2 BlockingByteArrayInputStream 846
6.136.2.3 ∼BlockingByteArrayInputStream 847
6.136.3 Member Function Documentation 847
6.136.3.1 available 847
6.136.3.2 close 847
6.136.3.3 doReadArrayBounded 847
6.136.3.4 doReadByte 847
6.136.3.5 setByteArray 848
6.136.3.6 skip 848
6.137 decaf::util::concurrent::BlockingQueue< E > Class Template Reference 848
6.137.1 Detailed Description 849
6.137.2 Constructor & Destructor Documentation 852
6.137.2.1 ∼BlockingQueue 852
6.137.3 Member Function Documentation 852
6.137.3.1 drainTo 852
6.137.3.2 drainTo 852
6.137.3.3 offer 853
6.137.3.4 poll 854
6.137.3.5 put 854
6.137.3.6 remainingCapacity 855
6.137.3.7 take 855
6.138 decaf::lang::Boolean Class Reference 856
6.138.1 Constructor & Destructor Documentation 857
6.138.1.1 Boolean 857
6.138.1.2 Boolean 857
6.138.1.3 ∼Boolean 857
6.138.2 Member Function Documentation 857
6.138.2.1 booleanValue 857
6.138.2.2 compareTo 857
6.138.2.3 compareTo 858
6.138.2.4 equals 858
6.138.2.5 equals 858
6.138.2.6 operator< 858
6.138.2.7 operator< 859
6.138.2.8 operator== 859
6.138.2.9 operator== 859
6.138.2.10 parseBoolean 860
6.138.2.11 toString 860
6.138.2.12 toString 860
6.138.2.13 valueOf 860
6.138.2.14 valueOf 861
6.138.3 Field Documentation 861

6.138.3.1 _FALSE 861
6.138.3.2 _TRUE 861
6.139 activemq::commands::BooleanExpression Class Reference 861
6.139.1 Constructor & Destructor Documentation 862
6.139.1.1 BooleanExpression 862
6.139.1.2 ∼BooleanExpression 862
6.139.2 Member Function Documentation 862
6.139.2.1 cloneDataStructure 862
6.139.2.2 copyDataStructure 862
6.139.2.3 equals 862
6.139.2.4 toString 863
6.140 activemq::wireformat::openwire::utils::BooleanStream Class Reference 863
6.140.1 Detailed Description 864
6.140.2 Constructor & Destructor Documentation 864
6.140.2.1 BooleanStream 864
6.140.2.2 ∼BooleanStream 864
6.140.3 Member Function Documentation 864
6.140.3.1 clear 864
6.140.3.2 marshal 864
6.140.3.3 marshal 865
6.140.3.4 marshalledSize 865
6.140.3.5 readBoolean 865
6.140.3.6 unmarshal 865
6.140.3.7 writeBoolean 865
6.141 decaf::util::concurrent::BrokenBarrierException Class Reference . . . 866
6.141.1 Constructor & Destructor Documentation 867
6.141.1.1 BrokenBarrierException 867
6.141.1.2 BrokenBarrierException 867
6.141.1.3 BrokenBarrierException 867
6.141.1.4 BrokenBarrierException 867
6.141.1.5 BrokenBarrierException 867
6.141.1.6 BrokenBarrierException 868
6.141.1.7 ∼BrokenBarrierException 868
6.141.2 Member Function Documentation 868
6.141.2.1 clone 868
6.142 activemq::commands::BrokerError Class Reference 868
6.142.1 Detailed Description 870
6.142.2 Constructor & Destructor Documentation 870
6.142.2.1 BrokerError 870
6.142.2.2 ∼BrokerError 870
6.142.3 Member Function Documentation 870
6.142.3.1 cloneDataStructure 870
6.142.3.2 copyDataStructure 870
6.142.3.3 getCause 871
6.142.3.4 getDataStructureType 871
6.142.3.5 getExceptionClass 871
6.142.3.6 getMessage 871
6.142.3.7 getStackTraceElements 871
6.142.3.8 setCause 872
6.142.3.9 setExceptionClass 872

6.142.3.10 setMessage 872
6.142.3.11 setStackTraceElements 872
6.142.3.12 visit 873
6.143 activemq::exceptions::BrokerException Class Reference 873
6.143.1 Constructor & Destructor Documentation 874
6.143.1.1 BrokerException 874
6.143.1.2 BrokerException 874
6.143.1.3 BrokerException 874
6.143.1.4 BrokerException 874
6.143.1.5 BrokerException 874
6.143.1.6 ~BrokerException 874
6.143.2 Member Function Documentation 874
6.143.2.1 clone 874
6.144 activemq::commands::BrokerId Class Reference 874
6.144.1 Member Typedef Documentation 876
6.144.1.1 COMPARATOR 876
6.144.2 Constructor & Destructor Documentation 876
6.144.2.1 BrokerId 876
6.144.2.2 BrokerId 876
6.144.2.3 ~BrokerId 876
6.144.3 Member Function Documentation 876
6.144.3.1 cloneDataStructure 876
6.144.3.2 compareTo 876
6.144.3.3 copyDataStructure 876
6.144.3.4 equals 876
6.144.3.5 equals 877
6.144.3.6 getDataStructureType 877
6.144.3.7 getValue 877
6.144.3.8 getValue 877
6.144.3.9 operator< 877
6.144.3.10 operator= 877
6.144.3.11 operator== 877
6.144.3.12 setValue 877
6.144.3.13 toString 877
6.144.4 Field Documentation 878
6.144.4.1 ID_BROKERID 878
6.144.4.2 value 878
6.145 activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller Class Reference 878
6.145.1 Detailed Description 879
6.145.2 Constructor & Destructor Documentation 879
6.145.2.1 BrokerIdMarshaller 879
6.145.2.2 ~BrokerIdMarshaller 879
6.145.3 Member Function Documentation 879
6.145.3.1 createObject 879
6.145.3.2 getDataStructureType 879
6.145.3.3 looseMarshal 880
6.145.3.4 looseUnmarshal 880
6.145.3.5 tightMarshal1 880
6.145.3.6 tightMarshal2 881

6.145.3.7 tightUnmarshal 881
6.146 activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller Class Reference 882
6.146.1 Detailed Description 883
6.146.2 Constructor & Destructor Documentation 883
6.146.2.1 BrokerIdMarshaller 883
6.146.2.2 ∼BrokerIdMarshaller 883
6.146.3 Member Function Documentation 883
6.146.3.1 createObject 883
6.146.3.2 getDataStructureType 883
6.146.3.3 looseMarshal 884
6.146.3.4 looseUnmarshal 884
6.146.3.5 tightMarshal1 885
6.146.3.6 tightMarshal2 885
6.146.3.7 tightUnmarshal 886
6.147 activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller Class Reference 886
6.147.1 Detailed Description 887
6.147.2 Constructor & Destructor Documentation 887
6.147.2.1 BrokerIdMarshaller 887
6.147.2.2 ∼BrokerIdMarshaller 887
6.147.3 Member Function Documentation 887
6.147.3.1 createObject 887
6.147.3.2 getDataStructureType 888
6.147.3.3 looseMarshal 888
6.147.3.4 looseUnmarshal 888
6.147.3.5 tightMarshal1 889
6.147.3.6 tightMarshal2 889
6.147.3.7 tightUnmarshal 890
6.148 activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller Class Reference 890
6.148.1 Detailed Description 891
6.148.2 Constructor & Destructor Documentation 891
6.148.2.1 BrokerIdMarshaller 891
6.148.2.2 ∼BrokerIdMarshaller 891
6.148.3 Member Function Documentation 891
6.148.3.1 createObject 891
6.148.3.2 getDataStructureType 892
6.148.3.3 looseMarshal 892
6.148.3.4 looseUnmarshal 892
6.148.3.5 tightMarshal1 893
6.148.3.6 tightMarshal2 893
6.148.3.7 tightUnmarshal 894
6.149 activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller Class Reference 894
6.149.1 Detailed Description 895
6.149.2 Constructor & Destructor Documentation 895
6.149.2.1 BrokerIdMarshaller 895
6.149.2.2 ∼BrokerIdMarshaller 895
6.149.3 Member Function Documentation 895

6.149.3.1 createObject 895
6.149.3.2 getDataStructureType 896
6.149.3.3 looseMarshal 896
6.149.3.4 looseUnmarshal 896
6.149.3.5 tightMarshal1 897
6.149.3.6 tightMarshal2 897
6.149.3.7 tightUnmarshal 898
6.150 activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller Class Reference 898
6.150.1 Detailed Description 899
6.150.2 Constructor & Destructor Documentation 899
6.150.2.1 BrokerIdMarshaller 899
6.150.2.2 ∼BrokerIdMarshaller 899
6.150.3 Member Function Documentation 899
6.150.3.1 createObject 899
6.150.3.2 getDataStructureType 900
6.150.3.3 looseMarshal 900
6.150.3.4 looseUnmarshal 900
6.150.3.5 tightMarshal1 901
6.150.3.6 tightMarshal2 901
6.150.3.7 tightUnmarshal 902
6.151 activemq::commands::BrokerInfo Class Reference 902
6.151.1 Constructor & Destructor Documentation 904
6.151.1.1 BrokerInfo 904
6.151.1.2 ∼BrokerInfo 904
6.151.2 Member Function Documentation 904
6.151.2.1 cloneDataStructure 904
6.151.2.2 copyDataStructure 904
6.151.2.3 equals 905
6.151.2.4 getBrokerId 906
6.151.2.5 getBrokerId 906
6.151.2.6 getBrokerName 906
6.151.2.7 getBrokerName 906
6.151.2.8 getBrokerUploadUrl 906
6.151.2.9 getBrokerUploadUrl 906
6.151.2.10 getBrokerURL 906
6.151.2.11 getBrokerURL 906
6.151.2.12 getConnectionId 906
6.151.2.13 getDataStructureType 906
6.151.2.14 getNetworkProperties 907
6.151.2.15 getNetworkProperties 907
6.151.2.16 getPeerBrokerInfos 907
6.151.2.17 getPeerBrokerInfos 907
6.151.2.18 isBrokerInfo 907
6.151.2.19 isDuplexConnection 908
6.151.2.20 isFaultTolerantConfiguration 908
6.151.2.21 isMasterBroker 908
6.151.2.22 isNetworkConnection 908
6.151.2.23 isSlaveBroker 908
6.151.2.24 setBrokerId 908

6.151.2.25 setBrokerName 908
6.151.2.26 setBrokerUploadUrl 908
6.151.2.27 setBrokerURL 908
6.151.2.28 setConnectionId 908
6.151.2.29 setDuplexConnection 908
6.151.2.30 setFaultTolerantConfiguration 908
6.151.2.31 setMasterBroker 908
6.151.2.32 setNetworkConnection 908
6.151.2.33 setNetworkProperties 908
6.151.2.34 setPeerBrokerInfos 908
6.151.2.35 setSlaveBroker 908
6.151.2.36 toString 908
6.151.2.37 visit 909
6.151.3 Field Documentation 910
6.151.3.1 brokerId 910
6.151.3.2 brokerName 910
6.151.3.3 brokerUploadUrl 910
6.151.3.4 brokerURL 910
6.151.3.5 connectionId 910
6.151.3.6 duplexConnection 910
6.151.3.7 faultTolerantConfiguration 910
6.151.3.8 ID_BROKERINFO 910
6.151.3.9 masterBroker 910
6.151.3.10 networkConnection 910
6.151.3.11 networkProperties 910
6.151.3.12 peerBrokerInfos 910
6.151.3.13 slaveBroker 910
6.152 activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller Class Reference 910
6.152.1 Detailed Description 911
6.152.2 Constructor & Destructor Documentation 912
6.152.2.1 BrokerInfoMarshaller 912
6.152.2.2 ~BrokerInfoMarshaller 912
6.152.3 Member Function Documentation 912
6.152.3.1 createObject 912
6.152.3.2 getDataStructureType 912
6.152.3.3 looseMarshal 912
6.152.3.4 looseUnmarshal 913
6.152.3.5 tightMarshal1 913
6.152.3.6 tightMarshal2 914
6.152.3.7 tightUnmarshal 914
6.153 activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller Class Reference 915
6.153.1 Detailed Description 916
6.153.2 Constructor & Destructor Documentation 916
6.153.2.1 BrokerInfoMarshaller 916
6.153.2.2 ~BrokerInfoMarshaller 916
6.153.3 Member Function Documentation 916
6.153.3.1 createObject 916
6.153.3.2 getDataStructureType 916

6.153.3.3 looseMarshal 916
6.153.3.4 looseUnmarshal 917
6.153.3.5 tightMarshal1 917
6.153.3.6 tightMarshal2 918
6.153.3.7 tightUnmarshal 918
6.154 activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller Class Reference 919
6.154.1 Detailed Description 920
6.154.2 Constructor & Destructor Documentation 920
6.154.2.1 BrokerInfoMarshaller 920
6.154.2.2 ∼BrokerInfoMarshaller 920
6.154.3 Member Function Documentation 920
6.154.3.1 createObject 920
6.154.3.2 getDataStructureType 920
6.154.3.3 looseMarshal 921
6.154.3.4 looseUnmarshal 921
6.154.3.5 tightMarshal1 922
6.154.3.6 tightMarshal2 922
6.154.3.7 tightUnmarshal 923
6.155 activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller Class Reference 923
6.155.1 Detailed Description 924
6.155.2 Constructor & Destructor Documentation 924
6.155.2.1 BrokerInfoMarshaller 924
6.155.2.2 ∼BrokerInfoMarshaller 924
6.155.3 Member Function Documentation 924
6.155.3.1 createObject 924
6.155.3.2 getDataStructureType 925
6.155.3.3 looseMarshal 925
6.155.3.4 looseUnmarshal 925
6.155.3.5 tightMarshal1 926
6.155.3.6 tightMarshal2 926
6.155.3.7 tightUnmarshal 927
6.156 activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller Class Reference 927
6.156.1 Detailed Description 928
6.156.2 Constructor & Destructor Documentation 929
6.156.2.1 BrokerInfoMarshaller 929
6.156.2.2 ∼BrokerInfoMarshaller 929
6.156.3 Member Function Documentation 929
6.156.3.1 createObject 929
6.156.3.2 getDataStructureType 929
6.156.3.3 looseMarshal 929
6.156.3.4 looseUnmarshal 930
6.156.3.5 tightMarshal1 930
6.156.3.6 tightMarshal2 931
6.156.3.7 tightUnmarshal 931
6.157 activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller Class Reference 932
6.157.1 Detailed Description 933

6.157.2 Constructor & Destructor Documentation 933
6.157.2.1 BrokerInfoMarshaller 933
6.157.2.2 ∼BrokerInfoMarshaller 933
6.157.3 Member Function Documentation 933
6.157.3.1 createObject 933
6.157.3.2 getDataStructureType 933
6.157.3.3 looseMarshal 933
6.157.3.4 looseUnmarshal 934
6.157.3.5 tightMarshal1 934
6.157.3.6 tightMarshal2 935
6.157.3.7 tightUnmarshal 935
6.158 decaf::nio::Buffer Class Reference 936
6.158.1 Detailed Description 937
6.158.2 Constructor & Destructor Documentation 939
6.158.2.1 Buffer 939
6.158.2.2 Buffer 939
6.158.2.3 ∼Buffer 939
6.158.3 Member Function Documentation 939
6.158.3.1 capacity 939
6.158.3.2 clear 939
6.158.3.3 flip 939
6.158.3.4 hasRemaining 940
6.158.3.5 isReadOnly 940
6.158.3.6 limit 940
6.158.3.7 limit 940
6.158.3.8 mark 941
6.158.3.9 position 941
6.158.3.10 position 941
6.158.3.11 remaining 941
6.158.3.12 reset 942
6.158.3.13 rewind 942
6.158.4 Field Documentation 942
6.158.4.1 _capacity 942
6.158.4.2 _limit 942
6.158.4.3 _mark 942
6.158.4.4 _markSet 942
6.158.4.5 _position 942
6.159 decaf::io::BufferedInputStream Class Reference 943
6.159.1 Detailed Description 945
6.159.2 Constructor & Destructor Documentation 945
6.159.2.1 BufferedInputStream 945
6.159.2.2 BufferedInputStream 945
6.159.2.3 ∼BufferedInputStream 946
6.159.3 Member Function Documentation 946
6.159.3.1 available 946
6.159.3.2 close 946
6.159.3.3 doReadArrayBounded 946
6.159.3.4 doReadByte 946
6.159.3.5 mark 947
6.159.3.6 markSupported 947

6.159.3.7 reset 947
6.159.3.8 skip 948
6.160 decaf::io::BufferedOutputStream Class Reference 949
6.160.1 Detailed Description 949
6.160.2 Constructor & Destructor Documentation 949
6.160.2.1 BufferedOutputStream 949
6.160.2.2 BufferedOutputStream 950
6.160.2.3 ∼BufferedOutputStream 950
6.160.3 Member Function Documentation 950
6.160.3.1 doWriteArray 950
6.160.3.2 doWriteArrayBounded 950
6.160.3.3 doWriteByte 950
6.160.3.4 flush 951
6.161 decaf::internal::nio::BufferFactory Class Reference 951
6.161.1 Detailed Description 953
6.161.2 Constructor & Destructor Documentation 954
6.161.2.1 ∼BufferFactory 954
6.161.3 Member Function Documentation 954
6.161.3.1 createByteBuffer 954
6.161.3.2 createByteBuffer 954
6.161.3.3 createByteBuffer 955
6.161.3.4 createCharBuffer 955
6.161.3.5 createCharBuffer 956
6.161.3.6 createCharBuffer 956
6.161.3.7 createDoubleBuffer 957
6.161.3.8 createDoubleBuffer 957
6.161.3.9 createDoubleBuffer 958
6.161.3.10 createFloatBuffer 958
6.161.3.11 createFloatBuffer 958
6.161.3.12 createFloatBuffer 959
6.161.3.13 createIntBuffer 960
6.161.3.14 createIntBuffer 960
6.161.3.15 createIntBuffer 960
6.161.3.16 createLongBuffer 961
6.161.3.17 createLongBuffer 961
6.161.3.18 createLongBuffer 962
6.161.3.19 createShortBuffer 963
6.161.3.20 createShortBuffer 963
6.161.3.21 createShortBuffer 964
6.162 decaf::nio::BufferOverflowException Class Reference 964
6.162.1 Constructor & Destructor Documentation 965
6.162.1.1 BufferOverflowException 965
6.162.1.2 BufferOverflowException 965
6.162.1.3 BufferOverflowException 965
6.162.1.4 BufferOverflowException 965
6.162.1.5 BufferOverflowException 966
6.162.1.6 BufferOverflowException 966
6.162.1.7 ∼BufferOverflowException 966
6.162.2 Member Function Documentation 966
6.162.2.1 clone 966

6.163 decaf::nio::BufferUnderflowException Class Reference 967
6.163.1 Constructor & Destructor Documentation 967
6.163.1.1 BufferUnderflowException 967
6.163.1.2 BufferUnderflowException 968
6.163.1.3 BufferUnderflowException 968
6.163.1.4 BufferUnderflowException 968
6.163.1.5 BufferUnderflowException 968
6.163.1.6 BufferUnderflowException 969
6.163.1.7 ∼BufferUnderflowException 969
6.163.2 Member Function Documentation 969
6.163.2.1 clone 969
6.164 decaf::lang::Byte Class Reference 969
6.164.1 Constructor & Destructor Documentation 971
6.164.1.1 Byte 971
6.164.1.2 Byte 972
6.164.1.3 ∼Byte 972
6.164.2 Member Function Documentation 972
6.164.2.1 byteValue 972
6.164.2.2 compareTo 972
6.164.2.3 compareTo 972
6.164.2.4 decode 973
6.164.2.5 doubleValue 973
6.164.2.6 equals 974
6.164.2.7 equals 974
6.164.2.8 floatValue 974
6.164.2.9 intValue 974
6.164.2.10 longValue 974
6.164.2.11 operator< 975
6.164.2.12 operator< 975
6.164.2.13 operator== 975
6.164.2.14 operator== 976
6.164.2.15 parseByte 976
6.164.2.16 parseByte 976
6.164.2.17 shortValue 977
6.164.2.18 toString 977
6.164.2.19 toString 977
6.164.2.20 valueOf 977
6.164.2.21 valueOf 978
6.164.2.22 valueOf 978
6.164.3 Field Documentation 979
6.164.3.1 MAX_VALUE 979
6.164.3.2 MIN_VALUE 979
6.164.3.3 SIZE 979
6.165 decaf::internal::util::ByteArrayAdapter Class Reference 979
6.165.1 Detailed Description 984
6.165.2 Constructor & Destructor Documentation 984
6.165.2.1 ByteArrayAdapter 984
6.165.2.2 ByteArrayAdapter 984
6.165.2.3 ByteArrayAdapter 985
6.165.2.4 ByteArrayAdapter 985

6.165.2.5 ByteArrayAdapter 986
6.165.2.6 ByteArrayAdapter 986
6.165.2.7 ByteArrayAdapter 987
6.165.2.8 ByteArrayAdapter 987
6.165.2.9 ~ByteArrayAdapter 988
6.165.3 Member Function Documentation 988
6.165.3.1 clear 988
6.165.3.2 get 988
6.165.3.3 getByteArray 988
6.165.3.4 getCapacity 988
6.165.3.5 getChar 989
6.165.3.6 getCharArray 989
6.165.3.7 getCharCapacity 989
6.165.3.8 getDouble 989
6.165.3.9 getDoubleArray 990
6.165.3.10 getDoubleAt 990
6.165.3.11 getDoubleCapacity 990
6.165.3.12 getFloat 991
6.165.3.13 getFloatArray 991
6.165.3.14 getFloatAt 991
6.165.3.15 getFloatCapacity 992
6.165.3.16 getInt 992
6.165.3.17 getIntArray 992
6.165.3.18 getIntAt 993
6.165.3.19 getIntCapacity 993
6.165.3.20 getLong 993
6.165.3.21 getLongArray 994
6.165.3.22 getLongAt 994
6.165.3.23 getLongCapacity 994
6.165.3.24 getShort 995
6.165.3.25 getShortArray 995
6.165.3.26 getShortAt 995
6.165.3.27 getShortCapacity 996
6.165.3.28 operator[] 996
6.165.3.29 operator[] 996
6.165.3.30 put 996
6.165.3.31 putChar 997
6.165.3.32 putDouble 997
6.165.3.33 putDoubleAt 998
6.165.3.34 putFloat 998
6.165.3.35 putFloatAt 999
6.165.3.36 putInt 999
6.165.3.37 putIntAt 1000
6.165.3.38 putLong 1000
6.165.3.39 putLongAt 1001
6.165.3.40 putShort 1001
6.165.3.41 putShortAt 1002
6.165.3.42 read 1002
6.165.3.43 resize 1003
6.165.3.44 write 1003

6.166 decaf::internal::nio::ByteArrayBuffer Class Reference 1004
6.166.1 Detailed Description 1017
6.166.2 Constructor & Destructor Documentation 1018
6.166.2.1 ByteArrayBuffer 1018
6.166.2.2 ByteArrayBuffer 1018
6.166.2.3 ByteArrayBuffer 1019
6.166.2.4 ByteArrayBuffer 1019
6.166.2.5 ~ByteArrayBuffer 1020
6.166.3 Member Function Documentation 1020
6.166.3.1 array 1020
6.166.3.2 arrayOffset 1020
6.166.3.3 asCharBuffer 1021
6.166.3.4 asDoubleBuffer 1021
6.166.3.5 asFloatBuffer 1021
6.166.3.6 asIntBuffer 1022
6.166.3.7 asLongBuffer 1022
6.166.3.8 asReadOnlyBuffer 1023
6.166.3.9 asShortBuffer 1023
6.166.3.10 compact 1023
6.166.3.11 duplicate 1024
6.166.3.12 get 1024
6.166.3.13 get 1025
6.166.3.14 getChar 1025
6.166.3.15 getChar 1025
6.166.3.16 getDouble 1026
6.166.3.17 getDouble 1026
6.166.3.18 getFloat 1027
6.166.3.19 getFloat 1027
6.166.3.20 getInt 1027
6.166.3.21 getInt 1028
6.166.3.22 getLong 1028
6.166.3.23 getLong 1029
6.166.3.24 getShort 1029
6.166.3.25 getShort 1029
6.166.3.26 hasArray 1030
6.166.3.27 isReadOnly 1030
6.166.3.28 put 1030
6.166.3.29 put 1031
6.166.3.30 putChar 1031
6.166.3.31 putChar 1032
6.166.3.32 putDouble 1032
6.166.3.33 putDouble 1033
6.166.3.34 putFloat 1033
6.166.3.35 putFloat 1034
6.166.3.36 putInt 1034
6.166.3.37 putInt 1035
6.166.3.38 putLong 1035
6.166.3.39 putLong 1036
6.166.3.40 putShort 1036
6.166.3.41 putShort 1037

6.166.3.42 setReadOnly 1037
6.166.3.43 slice 1038
6.167 decaf::io::ByteArrayInputStream Class Reference 1038
6.167.1 Detailed Description 1041
6.167.2 Constructor & Destructor Documentation 1041
6.167.2.1 ByteArrayInputStream 1041
6.167.2.2 ByteArrayInputStream 1041
6.167.2.3 ByteArrayInputStream 1042
6.167.2.4 ByteArrayInputStream 1042
6.167.2.5 ~ByteArrayInputStream 1043
6.167.3 Member Function Documentation 1043
6.167.3.1 available 1043
6.167.3.2 doReadArrayBounded 1043
6.167.3.3 doReadByte 1043
6.167.3.4 mark 1043
6.167.3.5 markSupported 1044
6.167.3.6 reset 1044
6.167.3.7 setByteArray 1045
6.167.3.8 setByteArray 1045
6.167.3.9 setByteArray 1045
6.167.3.10 skip 1046
6.168 decaf::io::ByteArrayOutputStream Class Reference 1046
6.168.1 Constructor & Destructor Documentation 1047
6.168.1.1 ByteArrayOutputStream 1047
6.168.1.2 ByteArrayOutputStream 1048
6.168.1.3 ~ByteArrayOutputStream 1048
6.168.2 Member Function Documentation 1048
6.168.2.1 doWriteArrayBounded 1048
6.168.2.2 doWriteByte 1048
6.168.2.3 reset 1048
6.168.2.4 size 1048
6.168.2.5 toByteArray 1049
6.168.2.6 toString 1049
6.168.2.7 writeTo 1049
6.169 decaf::nio::ByteBuffer Class Reference 1049
6.169.1 Detailed Description 1054
6.169.2 Constructor & Destructor Documentation 1055
6.169.2.1 ByteBuffer 1055
6.169.2.2 ~ByteBuffer 1056
6.169.3 Member Function Documentation 1056
6.169.3.1 allocate 1056
6.169.3.2 array 1056
6.169.3.3 arrayOffset 1057
6.169.3.4 asCharBuffer 1057
6.169.3.5 asDoubleBuffer 1058
6.169.3.6 asFloatBuffer 1058
6.169.3.7 asIntBuffer 1058
6.169.3.8 asLongBuffer 1059
6.169.3.9 asReadOnlyBuffer 1059
6.169.3.10 asShortBuffer 1059

6.169.3.11 compact 1060
6.169.3.12 compareTo 1060
6.169.3.13 duplicate 1060
6.169.3.14 equals 1061
6.169.3.15 get 1061
6.169.3.16 get 1061
6.169.3.17 get 1062
6.169.3.18 get 1062
6.169.3.19 getChar 1063
6.169.3.20 getChar 1063
6.169.3.21 getDouble 1064
6.169.3.22 getDouble 1064
6.169.3.23 getFloat 1064
6.169.3.24 getFloat 1065
6.169.3.25 getInt 1065
6.169.3.26 getInt 1066
6.169.3.27 getLong 1066
6.169.3.28 getLong 1066
6.169.3.29 getShort 1067
6.169.3.30 getShort 1067
6.169.3.31 hasArray 1068
6.169.3.32 isReadOnly 1068
6.169.3.33 operator< 1068
6.169.3.34 operator== 1068
6.169.3.35 put 1068
6.169.3.36 put 1069
6.169.3.37 put 1069
6.169.3.38 put 1070
6.169.3.39 put 1071
6.169.3.40 putChar 1071
6.169.3.41 putChar 1072
6.169.3.42 putDouble 1072
6.169.3.43 putDouble 1073
6.169.3.44 putFloat 1073
6.169.3.45 putFloat 1074
6.169.3.46 putInt 1074
6.169.3.47 putInt 1075
6.169.3.48 putLong 1075
6.169.3.49 putLong 1076
6.169.3.50 putShort 1076
6.169.3.51 putShort 1077
6.169.3.52 slice 1077
6.169.3.53 toString 1078
6.169.3.54 wrap 1078
6.169.3.55 wrap 1078
6.170 cms::BytesMessage Class Reference 1079
6.170.1 Detailed Description 1082
6.170.2 Constructor & Destructor Documentation 1083
6.170.2.1 ~BytesMessage 1083
6.170.3 Member Function Documentation 1083

6.170.3.1 clone 1083
6.170.3.2 getBodyBytes 1083
6.170.3.3 getBodyLength 1084
6.170.3.4 readBoolean 1084
6.170.3.5 readByte 1085
6.170.3.6 readBytes 1085
6.170.3.7 readBytes 1086
6.170.3.8 readChar 1087
6.170.3.9 readDouble 1087
6.170.3.10 readFloat 1088
6.170.3.11 readInt 1088
6.170.3.12 readLong 1089
6.170.3.13 readShort 1089
6.170.3.14 readString 1090
6.170.3.15 readUnsignedShort 1090
6.170.3.16 readUTF 1091
6.170.3.17 reset 1091
6.170.3.18 setBodyBytes 1091
6.170.3.19 writeBoolean 1092
6.170.3.20 writeByte 1092
6.170.3.21 writeBytes 1093
6.170.3.22 writeBytes 1093
6.170.3.23 writeChar 1094
6.170.3.24 writeDouble 1094
6.170.3.25 writeFloat 1094
6.170.3.26 writeInt 1095
6.170.3.27 writeLong 1095
6.170.3.28 writeShort 1096
6.170.3.29 writeString 1096
6.170.3.30 writeUnsignedShort 1096
6.170.3.31 writeUTF 1097
6.171 activemq::cmsutil::CachedConsumer Class Reference 1097
6.171.1 Detailed Description 1098
6.171.2 Constructor & Destructor Documentation 1099
6.171.2.1 CachedConsumer 1099
6.171.2.2 CachedConsumer 1099
6.171.2.3 ~CachedConsumer 1099
6.171.3 Member Function Documentation 1099
6.171.3.1 close 1099
6.171.3.2 getMessageListener 1099
6.171.3.3 getMessageSelector 1099
6.171.3.4 operator= 1100
6.171.3.5 receive 1100
6.171.3.6 receive 1100
6.171.3.7 receiveNoWait 1100
6.171.3.8 setMessageListener 1101
6.172 activemq::cmsutil::CachedProducer Class Reference 1101
6.172.1 Detailed Description 1103
6.172.2 Constructor & Destructor Documentation 1103
6.172.2.1 CachedProducer 1103

6.172.2.2 CachedProducer 1103
6.172.2.3 ∼CachedProducer 1103
6.172.3 Member Function Documentation 1103
6.172.3.1 close 1103
6.172.3.2 getDeliveryMode 1103
6.172.3.3 getDisableMessageID 1103
6.172.3.4 getDisableMessageTimeStamp 1104
6.172.3.5 getPriority 1104
6.172.3.6 getTimeToLive 1104
6.172.3.7 operator= 1105
6.172.3.8 send 1105
6.172.3.9 send 1105
6.172.3.10 send 1106
6.172.3.11 send 1106
6.172.3.12 setDeliveryMode 1107
6.172.3.13 setDisableMessageID 1107
6.172.3.14 setDisableMessageTimeStamp 1107
6.172.3.15 setPriority 1108
6.172.3.16 setTimeToLive 1108
6.173 decaf::util::concurrent::Callable< V > Class Template Reference . . 1108
6.173.1 Detailed Description 1109
6.173.2 Constructor & Destructor Documentation 1109
6.173.2.1 ∼Callable 1109
6.173.3 Member Function Documentation 1109
6.173.3.1 call 1109
6.174 decaf::util::concurrent::CancellationException Class Reference 1110
6.174.1 Constructor & Destructor Documentation 1110
6.174.1.1 CancellationException 1110
6.174.1.2 CancellationException 1110
6.174.1.3 CancellationException 1111
6.174.1.4 CancellationException 1111
6.174.1.5 CancellationException 1111
6.174.1.6 CancellationException 1111
6.174.1.7 ∼CancellationException 1112
6.174.2 Member Function Documentation 1112
6.174.2.1 clone 1112
6.175 decaf::security::cert::Certificate Class Reference 1112
6.175.1 Detailed Description 1113
6.175.2 Constructor & Destructor Documentation 1113
6.175.2.1 ∼Certificate 1113
6.175.3 Member Function Documentation 1113
6.175.3.1 equals 1113
6.175.3.2 getEncoded 1114
6.175.3.3 getPublicKey 1114
6.175.3.4 getPublicKey 1114
6.175.3.5 getType 1114
6.175.3.6 toString 1115
6.175.3.7 verify 1115
6.175.3.8 verify 1115
6.176 decaf::security::cert::CertificateEncodingException Class Reference . 1116

6.176.1 Constructor & Destructor Documentation 1117
6.176.1.1 CertificateEncodingException 1117
6.176.1.2 CertificateEncodingException 1117
6.176.1.3 CertificateEncodingException 1117
6.176.1.4 CertificateEncodingException 1117
6.176.1.5 ∼CertificateEncodingException 1118
6.176.2 Member Function Documentation 1118
6.176.2.1 clone 1118
6.177 decaf::security::cert::CertificateException Class Reference 1118
6.177.1 Constructor & Destructor Documentation 1119
6.177.1.1 CertificateException 1119
6.177.1.2 CertificateException 1119
6.177.1.3 CertificateException 1119
6.177.1.4 CertificateException 1119
6.177.1.5 ∼CertificateException 1120
6.177.2 Member Function Documentation 1120
6.177.2.1 clone 1120
6.178 decaf::security::cert::CertificateExpiredException Class Reference . . 1120
6.178.1 Constructor & Destructor Documentation 1121
6.178.1.1 CertificateExpiredException 1121
6.178.1.2 CertificateExpiredException 1121
6.178.1.3 CertificateExpiredException 1121
6.178.1.4 CertificateExpiredException 1121
6.178.1.5 ∼CertificateExpiredException 1122
6.178.2 Member Function Documentation 1122
6.178.2.1 clone 1122
6.179 decaf::security::cert::CertificateNotYetValidException Class Reference 1122
6.179.1 Constructor & Destructor Documentation 1123
6.179.1.1 CertificateNotYetValidException 1123
6.179.1.2 CertificateNotYetValidException 1123
6.179.1.3 CertificateNotYetValidException 1123
6.179.1.4 CertificateNotYetValidException 1123
6.179.1.5 ∼CertificateNotYetValidException 1124
6.179.2 Member Function Documentation 1124
6.179.2.1 clone 1124
6.180 decaf::security::cert::CertificateParsingException Class Reference . . 1124
6.180.1 Constructor & Destructor Documentation 1125
6.180.1.1 CertificateParsingException 1125
6.180.1.2 CertificateParsingException 1125
6.180.1.3 CertificateParsingException 1125
6.180.1.4 CertificateParsingException 1125
6.180.1.5 ∼CertificateParsingException 1126
6.180.2 Member Function Documentation 1126
6.180.2.1 clone 1126
6.181 decaf::lang::Character Class Reference 1126
6.181.1 Constructor & Destructor Documentation 1128
6.181.1.1 Character 1128
6.181.2 Member Function Documentation 1129
6.181.2.1 byteValue 1129
6.181.2.2 compareTo 1129

6.181.2.3 compareTo 1129
6.181.2.4 digit 1130
6.181.2.5 doubleValue 1130
6.181.2.6 equals 1130
6.181.2.7 equals 1130
6.181.2.8 floatValue 1131
6.181.2.9 intValue 1131
6.181.2.10 isDigit 1131
6.181.2.11 isISOControl 1131
6.181.2.12 isLetter 1131
6.181.2.13 isLetterOrDigit 1131
6.181.2.14 isLowerCase 1132
6.181.2.15 isUpperCase 1132
6.181.2.16 isWhitespace 1132
6.181.2.17 longValue 1132
6.181.2.18 operator< 1132
6.181.2.19 operator< 1133
6.181.2.20 operator== 1133
6.181.2.21 operator== 1133
6.181.2.22 shortValue 1134
6.181.2.23 toString 1134
6.181.2.24 valueOf 1134
6.181.3 Field Documentation 1134
6.181.3.1 MAX_RADIX 1134
6.181.3.2 MAX_VALUE 1134
6.181.3.3 MIN_RADIX 1134
6.181.3.4 MIN_VALUE 1135
6.181.3.5 SIZE 1135
6.182 decaf::internal::nio::CharArrayBuffer Class Reference 1135
6.182.1 Constructor & Destructor Documentation 1140
6.182.1.1 CharArrayBuffer 1140
6.182.1.2 CharArrayBuffer 1140
6.182.1.3 CharArrayBuffer 1141
6.182.1.4 CharArrayBuffer 1141
6.182.1.5 ~CharArrayBuffer 1141
6.182.2 Member Function Documentation 1141
6.182.2.1 array 1141
6.182.2.2 arrayOffset 1142
6.182.2.3 asReadOnlyBuffer 1142
6.182.2.4 compact 1143
6.182.2.5 duplicate 1143
6.182.2.6 get 1144
6.182.2.7 get 1144
6.182.2.8 hasArray 1145
6.182.2.9 isReadOnly 1145
6.182.2.10 put 1145
6.182.2.11 put 1146
6.182.2.12 setReadOnly 1146
6.182.2.13 slice 1146
6.182.2.14 subSequence 1147

6.182.3 Field Documentation 1148
6.182.3.1 _array 1148
6.182.3.2 length 1148
6.182.3.3 offset 1148
6.182.3.4 readOnly 1148
6.183 decaf::nio::CharBuffer Class Reference 1148
6.183.1 Detailed Description 1151
6.183.2 Constructor & Destructor Documentation 1152
6.183.2.1 CharBuffer 1152
6.183.2.2 ~CharBuffer 1152
6.183.3 Member Function Documentation 1152
6.183.3.1 allocate 1152
6.183.3.2 append 1153
6.183.3.3 append 1153
6.183.3.4 append 1154
6.183.3.5 array 1154
6.183.3.6 arrayOffset 1155
6.183.3.7 asReadOnlyBuffer 1155
6.183.3.8 charAt 1156
6.183.3.9 compact 1156
6.183.3.10 compareTo 1157
6.183.3.11 duplicate 1157
6.183.3.12 equals 1157
6.183.3.13 get 1157
6.183.3.14 get 1157
6.183.3.15 get 1158
6.183.3.16 get 1158
6.183.3.17 hasArray 1159
6.183.3.18 length 1159
6.183.3.19 operator< 1160
6.183.3.20 operator== 1160
6.183.3.21 put 1160
6.183.3.22 put 1160
6.183.3.23 put 1161
6.183.3.24 put 1162
6.183.3.25 put 1162
6.183.3.26 put 1163
6.183.3.27 put 1163
6.183.3.28 read 1164
6.183.3.29 slice 1164
6.183.3.30 subSequence 1165
6.183.3.31 toString 1165
6.183.3.32 wrap 1166
6.183.3.33 wrap 1166
6.184 decaf::lang::CharSequence Class Reference 1167
6.184.1 Detailed Description 1167
6.184.2 Constructor & Destructor Documentation 1168
6.184.2.1 ~CharSequence 1168
6.184.3 Member Function Documentation 1168
6.184.3.1 charAt 1168

6.184.3.2 length 1168
6.184.3.3 subSequence 1168
6.184.3.4 toString 1169
6.185 decaf::util::zip::CheckedInputStream Class Reference 1169
6.185.1 Detailed Description 1170
6.185.2 Constructor & Destructor Documentation 1170
6.185.2.1 CheckedInputStream 1170
6.185.2.2 ∼CheckedInputStream 1171
6.185.3 Member Function Documentation 1171
6.185.3.1 doReadArrayBounded 1171
6.185.3.2 doReadByte 1171
6.185.3.3 getChecksum 1171
6.185.3.4 skip 1171
6.186 decaf::util::zip::CheckedOutputStream Class Reference 1172
6.186.1 Detailed Description 1173
6.186.2 Constructor & Destructor Documentation 1173
6.186.2.1 CheckedOutputStream 1173
6.186.2.2 ∼CheckedOutputStream 1173
6.186.3 Member Function Documentation 1173
6.186.3.1 doWriteArrayBounded 1173
6.186.3.2 doWriteByte 1173
6.186.3.3 getChecksum 1174
6.187 decaf::util::zip::Checksum Class Reference 1174
6.187.1 Detailed Description 1175
6.187.2 Constructor & Destructor Documentation 1175
6.187.2.1 ∼Checksum 1175
6.187.3 Member Function Documentation 1175
6.187.3.1 getValue 1175
6.187.3.2 reset 1175
6.187.3.3 update 1175
6.187.3.4 update 1176
6.187.3.5 update 1176
6.187.3.6 update 1176
6.188 decaf::lang::exceptions::ClassCastException Class Reference 1177
6.188.1 Constructor & Destructor Documentation 1177
6.188.1.1 ClassCastException 1177
6.188.1.2 ClassCastException 1177
6.188.1.3 ClassCastException 1178
6.188.1.4 ClassCastException 1178
6.188.1.5 ClassCastException 1178
6.188.1.6 ClassCastException 1178
6.188.1.7 ∼ClassCastException 1179
6.188.2 Member Function Documentation 1179
6.188.2.1 clone 1179
6.189 cms::Closeable Class Reference 1179
6.189.1 Detailed Description 1180
6.189.2 Constructor & Destructor Documentation 1180
6.189.2.1 ∼Closeable 1180
6.189.3 Member Function Documentation 1180
6.189.3.1 close 1180

6.190 decaf::io::Closeable Class Reference 1180
6.190.1 Detailed Description 1181
6.190.2 Constructor & Destructor Documentation 1181
6.190.2.1 ~Closeable 1181
6.190.3 Member Function Documentation 1181
6.190.3.1 close 1181
6.191 activemq::transport::failover::CloseTransportsTask Class Reference . 1182
6.191.1 Constructor & Destructor Documentation 1182
6.191.1.1 CloseTransportsTask 1182
6.191.1.2 ~CloseTransportsTask 1182
6.191.2 Member Function Documentation 1182
6.191.2.1 add 1182
6.191.2.2 isPending 1182
6.191.2.3 iterate 1183
6.192 activemq::cmsutil::CmsAccessor Class Reference 1183
6.192.1 Detailed Description 1184
6.192.2 Constructor & Destructor Documentation 1185
6.192.2.1 CmsAccessor 1185
6.192.2.2 CmsAccessor 1185
6.192.2.3 ~CmsAccessor 1185
6.192.3 Member Function Documentation 1185
6.192.3.1 checkConnectionFactory 1185
6.192.3.2 createConnection 1185
6.192.3.3 createSession 1185
6.192.3.4 destroy 1186
6.192.3.5 getConnectionFactory 1186
6.192.3.6 getConnectionFactory 1186
6.192.3.7 getResourceLifecycleManager 1186
6.192.3.8 getResourceLifecycleManager 1186
6.192.3.9 getSessionAcknowledgeMode 1186
6.192.3.10 init 1187
6.192.3.11 operator= 1187
6.192.3.12 setConnectionFactory 1187
6.192.3.13 setSessionAcknowledgeMode 1187
6.193 activemq::cmsutil::CmsDestinationAccessor Class Reference 1187
6.193.1 Detailed Description 1188
6.193.2 Constructor & Destructor Documentation 1189
6.193.2.1 CmsDestinationAccessor 1189
6.193.2.2 CmsDestinationAccessor 1189
6.193.2.3 ~CmsDestinationAccessor 1189
6.193.3 Member Function Documentation 1189
6.193.3.1 checkDestinationResolver 1189
6.193.3.2 destroy 1189
6.193.3.3 getDestinationResolver 1189
6.193.3.4 getDestinationResolver 1189
6.193.3.5 init 1189
6.193.3.6 isPubSubDomain 1190
6.193.3.7 operator= 1190
6.193.3.8 resolveDestinationName 1190
6.193.3.9 setDestinationResolver 1190

6.193.3.10 setPubSubDomain 1190
6.194 cms::CMSException Class Reference 1190
6.194.1 Detailed Description 1192
6.194.2 Constructor & Destructor Documentation 1192
6.194.2.1 CMSException 1192
6.194.2.2 CMSException 1192
6.194.2.3 CMSException 1192
6.194.2.4 CMSException 1192
6.194.2.5 ∼CMSException 1192
6.194.3 Member Function Documentation 1192
6.194.3.1 getCause 1192
6.194.3.2 getMessage 1193
6.194.3.3 getStackTrace 1193
6.194.3.4 getStackTraceString 1193
6.194.3.5 printStackTrace 1193
6.194.3.6 printStackTrace 1193
6.194.3.7 setMark 1193
6.194.3.8 what 1194
6.195 activemq::util::CMSExceptionSupport Class Reference 1194
6.195.1 Constructor & Destructor Documentation 1195
6.195.1.1 ∼CMSExceptionSupport 1195
6.195.2 Member Function Documentation 1195
6.195.2.1 create 1195
6.195.2.2 create 1195
6.195.2.3 createMessageEOFException 1195
6.195.2.4 createMessageFormatException 1195
6.196 cms::CMSProperties Class Reference 1195
6.196.1 Detailed Description 1196
6.196.2 Constructor & Destructor Documentation 1197
6.196.2.1 ∼CMSProperties 1197
6.196.3 Member Function Documentation 1197
6.196.3.1 clear 1197
6.196.3.2 clone 1197
6.196.3.3 copy 1197
6.196.3.4 getProperty 1197
6.196.3.5 getProperty 1198
6.196.3.6 hasProperty 1198
6.196.3.7 isEmpty 1198
6.196.3.8 remove 1198
6.196.3.9 setProperty 1199
6.196.3.10 toArray 1199
6.196.3.11 toString 1199
6.197 cms::CMSSecurityException Class Reference 1199
6.197.1 Detailed Description 1200
6.197.2 Constructor & Destructor Documentation 1200
6.197.2.1 CMSSecurityException 1200
6.197.2.2 CMSSecurityException 1200
6.197.2.3 CMSSecurityException 1200
6.197.2.4 CMSSecurityException 1200
6.197.2.5 ∼CMSSecurityException 1200

6.198 activemq::cmsutil::CmsTemplate Class Reference 1201
6.198.1 Detailed Description 1204
6.198.2 Constructor & Destructor Documentation 1205
6.198.2.1 CmsTemplate 1205
6.198.2.2 CmsTemplate 1205
6.198.2.3 CmsTemplate 1205
6.198.2.4 ~CmsTemplate 1205
6.198.3 Member Function Documentation 1205
6.198.3.1 destroy 1205
6.198.3.2 execute 1205
6.198.3.3 execute 1205
6.198.3.4 execute 1206
6.198.3.5 execute 1206
6.198.3.6 getDefaultDestination 1206
6.198.3.7 getDefaultDestination 1207
6.198.3.8 getDefaultDestinationName 1207
6.198.3.9 getDeliveryMode 1207
6.198.3.10 getPriority 1207
6.198.3.11 getReceiveTimeout 1207
6.198.3.12 getTimeToLive 1207
6.198.3.13 init 1207
6.198.3.14 isExplicitQosEnabled 1208
6.198.3.15 isMessageIdEnabled 1208
6.198.3.16 isMessageTimestampEnabled 1208
6.198.3.17 isNoLocal 1208
6.198.3.18 operator= 1208
6.198.3.19 receive 1208
6.198.3.20 receive 1209
6.198.3.21 receive 1209
6.198.3.22 receiveSelected 1209
6.198.3.23 receiveSelected 1210
6.198.3.24 receiveSelected 1210
6.198.3.25 send 1211
6.198.3.26 send 1211
6.198.3.27 send 1211
6.198.3.28 setDefaultDestination 1212
6.198.3.29 setDefaultDestinationName 1212
6.198.3.30 setDeliveryMode 1212
6.198.3.31 setDeliveryPersistent 1213
6.198.3.32 setExplicitQosEnabled 1213
6.198.3.33 setMessageIdEnabled 1213
6.198.3.34 setMessageTimestampEnabled 1213
6.198.3.35 setNoLocal 1213
6.198.3.36 setPriority 1213
6.198.3.37 setPubSubDomain 1214
6.198.3.38 setReceiveTimeout 1214
6.198.3.39 setTimeToLive 1214
6.198.4 Friends And Related Function Documentation 1215
6.198.4.1 ProducerExecutor 1215
6.198.4.2 ReceiveExecutor 1215

6.198.4.3 ResolveProducerExecutor 1215
6.198.4.4 ResolveReceiveExecutor 1215
6.198.4.5 SendExecutor 1215
6.198.5 Field Documentation 1215
6.198.5.1 DEFAULT_PRIORITY 1215
6.198.5.2 DEFAULT_TIME_TO_LIVE 1215
6.198.5.3 RECEIVE_TIMEOUT_INDEFINITE_WAIT . . . 1215
6.198.5.4 RECEIVE_TIMEOUT_NO_WAIT 1215
6.199 code Struct Reference 1215
6.199.1 Field Documentation 1216
6.199.1.1 bits 1216
6.199.1.2 op 1216
6.199.1.3 val 1216
6.200 decaf::util::Collection< E > Class Template Reference 1216
6.200.1 Detailed Description 1217
6.200.2 Constructor & Destructor Documentation 1218
6.200.2.1 ∼Collection 1218
6.200.3 Member Function Documentation 1218
6.200.3.1 add 1218
6.200.3.2 addAll 1219
6.200.3.3 clear 1220
6.200.3.4 contains 1221
6.200.3.5 containsAll 1222
6.200.3.6 equals 1222
6.200.3.7 isEmpty 1223
6.200.3.8 remove 1223
6.200.3.9 removeAll 1224
6.200.3.10 retainAll 1225
6.200.3.11 size 1226
6.200.3.12 toArray 1226
6.201 activemq::commands::Command Class Reference 1227
6.201.1 Constructor & Destructor Documentation 1228
6.201.1.1 ∼Command 1228
6.201.2 Member Function Documentation 1228
6.201.2.1 getCommandId 1228
6.201.2.2 isBrokerInfo 1228
6.201.2.3 isConnectionInfo 1229
6.201.2.4 isConsumerInfo 1229
6.201.2.5 isKeepAliveInfo 1229
6.201.2.6 isMessage 1229
6.201.2.7 isMessageAck 1229
6.201.2.8 isMessageDispatch 1229
6.201.2.9 isMessageDispatchNotification 1229
6.201.2.10 isProducerAck 1230
6.201.2.11 isProducerInfo 1230
6.201.2.12 isRemoveInfo 1230
6.201.2.13 isRemoveSubscriptionInfo 1230
6.201.2.14 isResponse 1230
6.201.2.15 isResponseRequired 1230
6.201.2.16 isShutdownInfo 1230

6.201.2.17 isTransactionInfo 1231
6.201.2.18 isWireFormatInfo 1231
6.201.2.19 setCommandId 1231
6.201.2.20 setResponseRequired 1231
6.201.2.21 toString 1231
6.201.2.22 visit 1232
6.202 activemq::state::CommandVisitor Class Reference 1233
6.202.1 Detailed Description 1235
6.202.2 Constructor & Destructor Documentation 1235
6.202.2.1 ~CommandVisitor 1235
6.202.3 Member Function Documentation 1235
6.202.3.1 processBeginTransaction 1235
6.202.3.2 processBrokerError 1236
6.202.3.3 processBrokerInfo 1236
6.202.3.4 processCommitTransactionOnePhase 1236
6.202.3.5 processCommitTransactionTwoPhase 1236
6.202.3.6 processConnectionControl 1236
6.202.3.7 processConnectionError 1236
6.202.3.8 processConnectionInfo 1236
6.202.3.9 processConsumerControl 1237
6.202.3.10 processConsumerInfo 1237
6.202.3.11 processControlCommand 1237
6.202.3.12 processDestinationInfo 1237
6.202.3.13 processEndTransaction 1237
6.202.3.14 processFlushCommand 1238
6.202.3.15 processForgetTransaction 1238
6.202.3.16 processKeepAliveInfo 1238
6.202.3.17 processMessage 1238
6.202.3.18 processMessageAck 1238
6.202.3.19 processMessageDispatch 1239
6.202.3.20 processMessageDispatchNotification 1239
6.202.3.21 processMessagePull 1239
6.202.3.22 processPrepareTransaction 1239
6.202.3.23 processProducerAck 1239
6.202.3.24 processProducerInfo 1239
6.202.3.25 processRecoverTransactions 1239
6.202.3.26 processRemoveConnection 1239
6.202.3.27 processRemoveConsumer 1240
6.202.3.28 processRemoveDestination 1240
6.202.3.29 processRemoveInfo 1240
6.202.3.30 processRemoveProducer 1240
6.202.3.31 processRemoveSession 1240
6.202.3.32 processRemoveSubscriptionInfo 1241
6.202.3.33 processReplayCommand 1241
6.202.3.34 processResponse 1241
6.202.3.35 processRollbackTransaction 1241
6.202.3.36 processSessionInfo 1241
6.202.3.37 processShutdownInfo 1241
6.202.3.38 processTransactionInfo 1241
6.202.3.39 processWireFormat 1241

6.203 activemq::state::CommandVisitorAdapter Class Reference 1242
6.203.1 Detailed Description 1244
6.203.2 Constructor & Destructor Documentation 1245
6.203.2.1 ∼CommandVisitorAdapter 1245
6.203.3 Member Function Documentation 1245
6.203.3.1 processBeginTransaction 1245
6.203.3.2 processBrokerError 1245
6.203.3.3 processBrokerInfo 1245
6.203.3.4 processCommitTransactionOnePhase 1245
6.203.3.5 processCommitTransactionTwoPhase 1245
6.203.3.6 processConnectionControl 1245
6.203.3.7 processConnectionError 1245
6.203.3.8 processConnectionInfo 1245
6.203.3.9 processConsumerControl 1245
6.203.3.10 processConsumerInfo 1245
6.203.3.11 processControlCommand 1245
6.203.3.12 processDestinationInfo 1245
6.203.3.13 processEndTransaction 1245
6.203.3.14 processFlushCommand 1245
6.203.3.15 processForgetTransaction 1245
6.203.3.16 processKeepAliveInfo 1245
6.203.3.17 processMessage 1245
6.203.3.18 processMessageAck 1245
6.203.3.19 processMessageDispatch 1245
6.203.3.20 processMessageDispatchNotification 1245
6.203.3.21 processMessagePull 1245
6.203.3.22 processPrepareTransaction 1245
6.203.3.23 processProducerAck 1245
6.203.3.24 processProducerInfo 1245
6.203.3.25 processRecoverTransactions 1245
6.203.3.26 processRemoveConnection 1245
6.203.3.27 processRemoveConsumer 1245
6.203.3.28 processRemoveDestination 1245
6.203.3.29 processRemoveInfo 1245
6.203.3.30 processRemoveProducer 1247
6.203.3.31 processRemoveSession 1247
6.203.3.32 processRemoveSubscriptionInfo 1247
6.203.3.33 processReplayCommand 1247
6.203.3.34 processResponse 1247
6.203.3.35 processRollbackTransaction 1247
6.203.3.36 processSessionInfo 1247
6.203.3.37 processShutdownInfo 1247
6.203.3.38 processTransactionInfo 1247
6.203.3.39 processWireFormat 1248
6.204 decaf::lang::Comparable< T > Class Template Reference 1248
6.204.1 Detailed Description 1248
6.204.2 Constructor & Destructor Documentation 1249
6.204.2.1 ∼Comparable 1249
6.204.3 Member Function Documentation 1249
6.204.3.1 compareTo 1249

6.204.3.2 equals 1250
6.204.3.3 operator< 1250
6.204.3.4 operator== 1250
6.205 decaf::util::Comparator< T > Class Template Reference 1251
6.205.1 Detailed Description 1251
6.205.2 Constructor & Destructor Documentation 1252
6.205.2.1 ∼Comparator 1252
6.205.3 Member Function Documentation 1252
6.205.3.1 compare 1252
6.205.3.2 operator() 1252
6.206 activemq::util::CompositeData Class Reference 1253
6.206.1 Detailed Description 1253
6.206.2 Constructor & Destructor Documentation 1254
6.206.2.1 CompositeData 1254
6.206.2.2 ∼CompositeData 1254
6.206.3 Member Function Documentation 1254
6.206.3.1 getComponents 1254
6.206.3.2 getComponents 1254
6.206.3.3 getFragment 1254
6.206.3.4 getHost 1254
6.206.3.5 getParameters 1254
6.206.3.6 getPath 1254
6.206.3.7 getScheme 1254
6.206.3.8 setComponents 1254
6.206.3.9 setFragment 1254
6.206.3.10 setHost 1254
6.206.3.11 setParameters 1254
6.206.3.12 setPath 1254
6.206.3.13 setScheme 1254
6.206.3.14 toURI 1254
6.207 activemq::threads::CompositeTask Class Reference 1255
6.207.1 Detailed Description 1255
6.207.2 Constructor & Destructor Documentation 1255
6.207.2.1 ∼CompositeTask 1255
6.207.3 Member Function Documentation 1255
6.207.3.1 isPending 1255
6.208 activemq::threads::CompositeTaskRunner Class Reference 1256
6.208.1 Detailed Description 1257
6.208.2 Constructor & Destructor Documentation 1257
6.208.2.1 CompositeTaskRunner 1257
6.208.2.2 ∼CompositeTaskRunner 1257
6.208.3 Member Function Documentation 1257
6.208.3.1 addTask 1257
6.208.3.2 iterate 1257
6.208.3.3 removeTask 1258
6.208.3.4 run 1258
6.208.3.5 shutdown 1258
6.208.3.6 shutdown 1258
6.208.3.7 wakeup 1258
6.209 activemq::transport::CompositeTransport Class Reference 1259

6.209.1 Detailed Description 1259
6.209.2 Constructor & Destructor Documentation 1259
6.209.2.1 ∼CompositeTransport 1259
6.209.3 Member Function Documentation 1259
6.209.3.1 addURI 1259
6.209.3.2 removeURI 1260
6.210 decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR > Class Template Reference 1260
6.210.1 Detailed Description 1261
6.210.2 Constructor & Destructor Documentation 1261
6.210.2.1 ∼ConcurrentMap 1261
6.210.3 Member Function Documentation 1261
6.210.3.1 putIfAbsent 1261
6.210.3.2 remove 1262
6.210.3.3 replace 1263
6.210.3.4 replace 1264
6.211 decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR > Class Template Reference 1265
6.211.1 Detailed Description 1269
6.211.2 Constructor & Destructor Documentation 1269
6.211.2.1 ConcurrentStlMap 1269
6.211.2.2 ConcurrentStlMap 1270
6.211.2.3 ConcurrentStlMap 1270
6.211.2.4 ∼ConcurrentStlMap 1270
6.211.3 Member Function Documentation 1270
6.211.3.1 clear 1270
6.211.3.2 containsKey 1271
6.211.3.3 containsValue 1271
6.211.3.4 copy 1271
6.211.3.5 copy 1272
6.211.3.6 equals 1272
6.211.3.7 equals 1272
6.211.3.8 get 1272
6.211.3.9 get 1273
6.211.3.10 isEmpty 1273
6.211.3.11 keySet 1273
6.211.3.12 lock 1274
6.211.3.13 notify 1274
6.211.3.14 notifyAll 1275
6.211.3.15 put 1275
6.211.3.16 putAll 1276
6.211.3.17 putAll 1276
6.211.3.18 putIfAbsent 1276
6.211.3.19 remove 1277
6.211.3.20 remove 1278
6.211.3.21 replace 1278
6.211.3.22 replace 1279
6.211.3.23 size 1279
6.211.3.24 tryLock 1280
6.211.3.25 unlock 1280

6.211.3.26 values 1280
6.211.3.27 wait 1281
6.211.3.28 wait 1281
6.211.3.29 wait 1282
6.212 decaf::util::concurrent::locks::Condition Class Reference 1282
6.212.1 Detailed Description 1283
6.212.2 Constructor & Destructor Documentation 1285
6.212.2.1 ∼Condition 1285
6.212.3 Member Function Documentation 1285
6.212.3.1 await 1285
6.212.3.2 await 1286
6.212.3.3 awaitNanos 1287
6.212.3.4 awaitUninterruptibly 1288
6.212.3.5 awaitUntil 1289
6.212.3.6 signal 1289
6.212.3.7 signalAll 1289
6.213 decaf::util::concurrent::ConditionHandle Class Reference 1290
6.213.1 Constructor & Destructor Documentation 1291
6.213.1.1 ConditionHandle 1291
6.213.1.2 ∼ConditionHandle 1291
6.213.1.3 ConditionHandle 1291
6.213.1.4 ∼ConditionHandle 1291
6.213.2 Field Documentation 1291
6.213.2.1 condition 1291
6.213.2.2 criticalSection 1291
6.213.2.3 generation 1291
6.213.2.4 mutex 1291
6.213.2.5 numWaiting 1291
6.213.2.6 numWake 1291
6.213.2.7 semaphore 1291
6.214 decaf::internal::util::concurrent::ConditionImpl Class Reference . . . 1291
6.214.1 Member Function Documentation 1292
6.214.1.1 create 1292
6.214.1.2 destroy 1292
6.214.1.3 notify 1292
6.214.1.4 notifyAll 1293
6.214.1.5 wait 1293
6.214.1.6 wait 1293
6.215 decaf::net::ConnectException Class Reference 1293
6.215.1 Constructor & Destructor Documentation 1294
6.215.1.1 ConnectException 1294
6.215.1.2 ConnectException 1294
6.215.1.3 ConnectException 1294
6.215.1.4 ConnectException 1295
6.215.1.5 ConnectException 1295
6.215.1.6 ConnectException 1295
6.215.1.7 ∼ConnectException 1296
6.215.2 Member Function Documentation 1296
6.215.2.1 clone 1296
6.216 cms::Connection Class Reference 1296

6.216.1 Detailed Description 1297
6.216.2 Constructor & Destructor Documentation 1298
6.216.2.1 ∼Connection 1298
6.216.3 Member Function Documentation 1298
6.216.3.1 close 1298
6.216.3.2 createSession 1298
6.216.3.3 createSession 1299
6.216.3.4 getClientID 1299
6.216.3.5 getExceptionListener 1299
6.216.3.6 getMetaData 1299
6.216.3.7 setClientID 1300
6.216.3.8 setExceptionListener 1300
6.217 activemq::commands::ConnectionControl Class Reference 1301
6.217.1 Constructor & Destructor Documentation 1303
6.217.1.1 ConnectionControl 1303
6.217.1.2 ∼ConnectionControl 1303
6.217.2 Member Function Documentation 1303
6.217.2.1 cloneDataStructure 1303
6.217.2.2 copyDataStructure 1303
6.217.2.3 equals 1303
6.217.2.4 getConnectedBrokers 1304
6.217.2.5 getConnectedBrokers 1304
6.217.2.6 getDataStructureType 1304
6.217.2.7 getReconnectTo 1305
6.217.2.8 getReconnectTo 1305
6.217.2.9 isClose 1305
6.217.2.10 isExit 1305
6.217.2.11 isFaultTolerant 1305
6.217.2.12 isRebalanceConnection 1305
6.217.2.13 isResume 1305
6.217.2.14 isSuspend 1305
6.217.2.15 setClose 1305
6.217.2.16 setConnectedBrokers 1305
6.217.2.17 setExit 1305
6.217.2.18 setFaultTolerant 1305
6.217.2.19 setRebalanceConnection 1305
6.217.2.20 setReconnectTo 1305
6.217.2.21 setResume 1305
6.217.2.22 setSuspend 1305
6.217.2.23 toString 1305
6.217.2.24 visit 1306
6.217.3 Field Documentation 1306
6.217.3.1 close 1306
6.217.3.2 connectedBrokers 1306
6.217.3.3 exit 1306
6.217.3.4 faultTolerant 1306
6.217.3.5 ID_CONNECTIONCONTROL 1306
6.217.3.6 rebalanceConnection 1306
6.217.3.7 reconnectTo 1306
6.217.3.8 resume 1306

6.217.3.9 suspend 1306
6.218 activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller Class Reference 1307
6.218.1 Detailed Description 1308
6.218.2 Constructor & Destructor Documentation 1308
6.218.2.1 ConnectionControlMarshaller 1308
6.218.2.2 ∼ConnectionControlMarshaller 1308
6.218.3 Member Function Documentation 1308
6.218.3.1 createObject 1308
6.218.3.2 getDataStructureType 1308
6.218.3.3 looseMarshal 1308
6.218.3.4 looseUnmarshal 1309
6.218.3.5 tightMarshal1 1309
6.218.3.6 tightMarshal2 1310
6.218.3.7 tightUnmarshal 1310
6.219 activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller Class Reference 1311
6.219.1 Detailed Description 1312
6.219.2 Constructor & Destructor Documentation 1312
6.219.2.1 ConnectionControlMarshaller 1312
6.219.2.2 ∼ConnectionControlMarshaller 1312
6.219.3 Member Function Documentation 1312
6.219.3.1 createObject 1312
6.219.3.2 getDataStructureType 1312
6.219.3.3 looseMarshal 1313
6.219.3.4 looseUnmarshal 1313
6.219.3.5 tightMarshal1 1314
6.219.3.6 tightMarshal2 1314
6.219.3.7 tightUnmarshal 1315
6.220 activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller Class Reference 1315
6.220.1 Detailed Description 1316
6.220.2 Constructor & Destructor Documentation 1316
6.220.2.1 ConnectionControlMarshaller 1316
6.220.2.2 ∼ConnectionControlMarshaller 1316
6.220.3 Member Function Documentation 1316
6.220.3.1 createObject 1316
6.220.3.2 getDataStructureType 1317
6.220.3.3 looseMarshal 1317
6.220.3.4 looseUnmarshal 1317
6.220.3.5 tightMarshal1 1318
6.220.3.6 tightMarshal2 1318
6.220.3.7 tightUnmarshal 1319
6.221 activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller Class Reference 1319
6.221.1 Detailed Description 1320
6.221.2 Constructor & Destructor Documentation 1321
6.221.2.1 ConnectionControlMarshaller 1321
6.221.2.2 ∼ConnectionControlMarshaller 1321
6.221.3 Member Function Documentation 1321

6.221.3.1 createObject 1321
6.221.3.2 getDataStructureType 1321
6.221.3.3 looseMarshal 1321
6.221.3.4 looseUnmarshal 1322
6.221.3.5 tightMarshal1 1322
6.221.3.6 tightMarshal2 1323
6.221.3.7 tightUnmarshal 1323
6.222 activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller Class Reference 1324
6.222.1 Detailed Description 1325
6.222.2 Constructor & Destructor Documentation 1325
6.222.2.1 ConnectionControlMarshaller 1325
6.222.2.2 ∼ConnectionControlMarshaller 1325
6.222.3 Member Function Documentation 1325
6.222.3.1 createObject 1325
6.222.3.2 getDataStructureType 1325
6.222.3.3 looseMarshal 1325
6.222.3.4 looseUnmarshal 1326
6.222.3.5 tightMarshal1 1326
6.222.3.6 tightMarshal2 1327
6.222.3.7 tightUnmarshal 1327
6.223 activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller Class Reference 1328
6.223.1 Detailed Description 1329
6.223.2 Constructor & Destructor Documentation 1329
6.223.2.1 ConnectionControlMarshaller 1329
6.223.2.2 ∼ConnectionControlMarshaller 1329
6.223.3 Member Function Documentation 1329
6.223.3.1 createObject 1329
6.223.3.2 getDataStructureType 1329
6.223.3.3 looseMarshal 1330
6.223.3.4 looseUnmarshal 1330
6.223.3.5 tightMarshal1 1331
6.223.3.6 tightMarshal2 1331
6.223.3.7 tightUnmarshal 1332
6.224 activemq::commands::ConnectionError Class Reference 1332
6.224.1 Constructor & Destructor Documentation 1333
6.224.1.1 ConnectionError 1333
6.224.1.2 ∼ConnectionError 1333
6.224.2 Member Function Documentation 1333
6.224.2.1 cloneDataStructure 1333
6.224.2.2 copyDataStructure 1334
6.224.2.3 equals 1334
6.224.2.4 getConnectionId 1334
6.224.2.5 getConnectionId 1334
6.224.2.6 getDataStructureType 1334
6.224.2.7 getException 1335
6.224.2.8 getException 1335
6.224.2.9 setConnectionId 1335
6.224.2.10 setException 1335

6.224.2.11 toString 1335
6.224.2.12 visit 1335
6.224.3 Field Documentation 1336
6.224.3.1 connectionId 1336
6.224.3.2 exception 1336
6.224.3.3 ID_CONNECTIONERROR 1336
6.225 activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller Class Reference 1336
6.225.1 Detailed Description 1337
6.225.2 Constructor & Destructor Documentation 1337
6.225.2.1 ConnectionErrorMarshaller 1337
6.225.2.2 ~ConnectionErrorMarshaller 1337
6.225.3 Member Function Documentation 1337
6.225.3.1 createObject 1337
6.225.3.2 getDataStructureType 1337
6.225.3.3 looseMarshal 1338
6.225.3.4 looseUnmarshal 1338
6.225.3.5 tightMarshal1 1339
6.225.3.6 tightMarshal2 1339
6.225.3.7 tightUnmarshal 1340
6.226 activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller Class Reference 1340
6.226.1 Detailed Description 1341
6.226.2 Constructor & Destructor Documentation 1341
6.226.2.1 ConnectionErrorMarshaller 1341
6.226.2.2 ~ConnectionErrorMarshaller 1341
6.226.3 Member Function Documentation 1341
6.226.3.1 createObject 1341
6.226.3.2 getDataStructureType 1342
6.226.3.3 looseMarshal 1342
6.226.3.4 looseUnmarshal 1342
6.226.3.5 tightMarshal1 1343
6.226.3.6 tightMarshal2 1343
6.226.3.7 tightUnmarshal 1344
6.227 activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller Class Reference 1344
6.227.1 Detailed Description 1345
6.227.2 Constructor & Destructor Documentation 1346
6.227.2.1 ConnectionErrorMarshaller 1346
6.227.2.2 ~ConnectionErrorMarshaller 1346
6.227.3 Member Function Documentation 1346
6.227.3.1 createObject 1346
6.227.3.2 getDataStructureType 1346
6.227.3.3 looseMarshal 1346
6.227.3.4 looseUnmarshal 1347
6.227.3.5 tightMarshal1 1347
6.227.3.6 tightMarshal2 1348
6.227.3.7 tightUnmarshal 1348
6.228 activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller Class Reference 1349

6.228.1 Detailed Description 1350
6.228.2 Constructor & Destructor Documentation 1350
6.228.2.1 ConnectionErrorMarshaller 1350
6.228.2.2 ∼ConnectionErrorMarshaller 1350
6.228.3 Member Function Documentation 1350
6.228.3.1 createObject 1350
6.228.3.2 getDataStructureType 1350
6.228.3.3 looseMarshal 1350
6.228.3.4 looseUnmarshal 1351
6.228.3.5 tightMarshal1 1351
6.228.3.6 tightMarshal2 1352
6.228.3.7 tightUnmarshal 1352
6.229 activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller Class Reference 1353
6.229.1 Detailed Description 1354
6.229.2 Constructor & Destructor Documentation 1354
6.229.2.1 ConnectionErrorMarshaller 1354
6.229.2.2 ∼ConnectionErrorMarshaller 1354
6.229.3 Member Function Documentation 1354
6.229.3.1 createObject 1354
6.229.3.2 getDataStructureType 1354
6.229.3.3 looseMarshal 1355
6.229.3.4 looseUnmarshal 1355
6.229.3.5 tightMarshal1 1356
6.229.3.6 tightMarshal2 1356
6.229.3.7 tightUnmarshal 1357
6.230 activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller Class Reference 1357
6.230.1 Detailed Description 1358
6.230.2 Constructor & Destructor Documentation 1358
6.230.2.1 ConnectionErrorMarshaller 1358
6.230.2.2 ∼ConnectionErrorMarshaller 1358
6.230.3 Member Function Documentation 1358
6.230.3.1 createObject 1358
6.230.3.2 getDataStructureType 1359
6.230.3.3 looseMarshal 1359
6.230.3.4 looseUnmarshal 1359
6.230.3.5 tightMarshal1 1360
6.230.3.6 tightMarshal2 1360
6.230.3.7 tightUnmarshal 1361
6.231 cms::ConnectionFactory Class Reference 1361
6.231.1 Detailed Description 1362
6.231.2 Constructor & Destructor Documentation 1362
6.231.2.1 ∼ConnectionFactory 1362
6.231.3 Member Function Documentation 1362
6.231.3.1 createCMSConnectionFactory 1362
6.231.3.2 createConnection 1363
6.231.3.3 createConnection 1364
6.231.3.4 createConnection 1364
6.232 activemq::commands::ConnectionId Class Reference 1365

6.232.1 Member Typedef Documentation 1366
6.232.1.1 COMPARATOR 1366
6.232.2 Constructor & Destructor Documentation 1366
6.232.2.1 ConnectionId 1366
6.232.2.2 ConnectionId 1366
6.232.2.3 ConnectionId 1366
6.232.2.4 ConnectionId 1366
6.232.2.5 ConnectionId 1366
6.232.2.6 ∼ConnectionId 1366
6.232.3 Member Function Documentation 1366
6.232.3.1 cloneDataStructure 1366
6.232.3.2 compareTo 1367
6.232.3.3 copyDataStructure 1367
6.232.3.4 equals 1367
6.232.3.5 equals 1367
6.232.3.6 getDataStructureType 1367
6.232.3.7 getValue 1368
6.232.3.8 getValue 1368
6.232.3.9 operator< 1368
6.232.3.10 operator= 1368
6.232.3.11 operator== 1368
6.232.3.12 setValue 1368
6.232.3.13 toString 1368
6.232.4 Field Documentation 1368
6.232.4.1 ID_CONNECTIONID 1368
6.232.4.2 value 1368
6.233 activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller Class Reference 1368
6.233.1 Detailed Description 1369
6.233.2 Constructor & Destructor Documentation 1370
6.233.2.1 ConnectionIdMarshaller 1370
6.233.2.2 ∼ConnectionIdMarshaller 1370
6.233.3 Member Function Documentation 1370
6.233.3.1 createObject 1370
6.233.3.2 getDataStructureType 1370
6.233.3.3 looseMarshal 1370
6.233.3.4 looseUnmarshal 1371
6.233.3.5 tightMarshal1 1371
6.233.3.6 tightMarshal2 1372
6.233.3.7 tightUnmarshal 1372
6.234 activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller Class Reference 1373
6.234.1 Detailed Description 1374
6.234.2 Constructor & Destructor Documentation 1374
6.234.2.1 ConnectionIdMarshaller 1374
6.234.2.2 ∼ConnectionIdMarshaller 1374
6.234.3 Member Function Documentation 1374
6.234.3.1 createObject 1374
6.234.3.2 getDataStructureType 1374
6.234.3.3 looseMarshal 1374

6.234.3.4 looseUnmarshal 1375
6.234.3.5 tightMarshal1 1375
6.234.3.6 tightMarshal2 1376
6.234.3.7 tightUnmarshal 1376
6.235 activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller Class Reference 1377
6.235.1 Detailed Description 1378
6.235.2 Constructor & Destructor Documentation 1378
6.235.2.1 ConnectionIdMarshaller 1378
6.235.2.2 ∼ConnectionIdMarshaller 1378
6.235.3 Member Function Documentation 1378
6.235.3.1 createObject 1378
6.235.3.2 getDataStructureType 1378
6.235.3.3 looseMarshal 1378
6.235.3.4 looseUnmarshal 1379
6.235.3.5 tightMarshal1 1379
6.235.3.6 tightMarshal2 1380
6.235.3.7 tightUnmarshal 1380
6.236 activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller Class Reference 1381
6.236.1 Detailed Description 1382
6.236.2 Constructor & Destructor Documentation 1382
6.236.2.1 ConnectionIdMarshaller 1382
6.236.2.2 ∼ConnectionIdMarshaller 1382
6.236.3 Member Function Documentation 1382
6.236.3.1 createObject 1382
6.236.3.2 getDataStructureType 1382
6.236.3.3 looseMarshal 1382
6.236.3.4 looseUnmarshal 1383
6.236.3.5 tightMarshal1 1383
6.236.3.6 tightMarshal2 1384
6.236.3.7 tightUnmarshal 1384
6.237 activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller Class Reference 1385
6.237.1 Detailed Description 1386
6.237.2 Constructor & Destructor Documentation 1386
6.237.2.1 ConnectionIdMarshaller 1386
6.237.2.2 ∼ConnectionIdMarshaller 1386
6.237.3 Member Function Documentation 1386
6.237.3.1 createObject 1386
6.237.3.2 getDataStructureType 1386
6.237.3.3 looseMarshal 1386
6.237.3.4 looseUnmarshal 1387
6.237.3.5 tightMarshal1 1387
6.237.3.6 tightMarshal2 1388
6.237.3.7 tightUnmarshal 1388
6.238 activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller Class Reference 1389
6.238.1 Detailed Description 1390
6.238.2 Constructor & Destructor Documentation 1390

6.238.2.1 ConnectionIdMarshaller 1390
6.238.2.2 ∼ConnectionIdMarshaller 1390
6.238.3 Member Function Documentation 1390
6.238.3.1 createObject 1390
6.238.3.2 getDataStructureType 1390
6.238.3.3 looseMarshal 1390
6.238.3.4 looseUnmarshal 1391
6.238.3.5 tightMarshal1 1391
6.238.3.6 tightMarshal2 1392
6.238.3.7 tightUnmarshal 1392
6.239 activemq::commands::ConnectionInfo Class Reference 1393
6.239.1 Constructor & Destructor Documentation 1395
6.239.1.1 ConnectionInfo 1395
6.239.1.2 ∼ConnectionInfo 1395
6.239.2 Member Function Documentation 1395
6.239.2.1 cloneDataStructure 1395
6.239.2.2 copyDataStructure 1395
6.239.2.3 createRemoveCommand 1395
6.239.2.4 equals 1395
6.239.2.5 getBrokerPath 1396
6.239.2.6 getBrokerPath 1396
6.239.2.7 getClientId 1396
6.239.2.8 getClientId 1396
6.239.2.9 getConnectionId 1396
6.239.2.10 getConnectionId 1396
6.239.2.11 getDataStructureType 1396
6.239.2.12 getPassword 1397
6.239.2.13 getPassword 1397
6.239.2.14 getUserName 1397
6.239.2.15 getUserName 1397
6.239.2.16 isBrokerMasterConnector 1397
6.239.2.17 isClientMaster 1397
6.239.2.18 isConnectionInfo 1397
6.239.2.19 isFaultTolerant 1398
6.239.2.20 isManageable 1398
6.239.2.21 setBrokerMasterConnector 1398
6.239.2.22 setBrokerPath 1398
6.239.2.23 setClientId 1398
6.239.2.24 setClientMaster 1398
6.239.2.25 setConnectionId 1398
6.239.2.26 setFaultTolerant 1398
6.239.2.27 setManageable 1398
6.239.2.28 setPassword 1398
6.239.2.29 setUserName 1398
6.239.2.30 toString 1398
6.239.2.31 visit 1399
6.239.3 Field Documentation 1399
6.239.3.1 brokerMasterConnector 1399
6.239.3.2 brokerPath 1399
6.239.3.3 clientId 1399

6.239.3.4 clientMaster 1399
6.239.3.5 connectionId 1399
6.239.3.6 faultTolerant 1399
6.239.3.7 ID_CONNECTIONINFO 1399
6.239.3.8 manageable 1399
6.239.3.9 password 1399
6.239.3.10 userName 1399
6.240 activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller Class Reference 1400
6.240.1 Detailed Description 1401
6.240.2 Constructor & Destructor Documentation 1401
6.240.2.1 ConnectionInfoMarshaller 1401
6.240.2.2 ∼ConnectionInfoMarshaller 1401
6.240.3 Member Function Documentation 1401
6.240.3.1 createObject 1401
6.240.3.2 getDataStructureType 1401
6.240.3.3 looseMarshal 1401
6.240.3.4 looseUnmarshal 1402
6.240.3.5 tightMarshal1 1402
6.240.3.6 tightMarshal2 1403
6.240.3.7 tightUnmarshal 1403
6.241 activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller Class Reference 1404
6.241.1 Detailed Description 1405
6.241.2 Constructor & Destructor Documentation 1405
6.241.2.1 ConnectionInfoMarshaller 1405
6.241.2.2 ∼ConnectionInfoMarshaller 1405
6.241.3 Member Function Documentation 1405
6.241.3.1 createObject 1405
6.241.3.2 getDataStructureType 1405
6.241.3.3 looseMarshal 1406
6.241.3.4 looseUnmarshal 1406
6.241.3.5 tightMarshal1 1407
6.241.3.6 tightMarshal2 1407
6.241.3.7 tightUnmarshal 1408
6.242 activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller Class Reference 1408
6.242.1 Detailed Description 1409
6.242.2 Constructor & Destructor Documentation 1409
6.242.2.1 ConnectionInfoMarshaller 1409
6.242.2.2 ∼ConnectionInfoMarshaller 1409
6.242.3 Member Function Documentation 1409
6.242.3.1 createObject 1409
6.242.3.2 getDataStructureType 1410
6.242.3.3 looseMarshal 1410
6.242.3.4 looseUnmarshal 1410
6.242.3.5 tightMarshal1 1411
6.242.3.6 tightMarshal2 1411
6.242.3.7 tightUnmarshal 1412

6.243 activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller Class Reference . . . 1412
6.243.1 Detailed Description . . . 1413
6.243.2 Constructor & Destructor Documentation . . . 1414
6.243.2.1 ConnectionInfoMarshaller . . . 1414
6.243.2.2 ~ConnectionInfoMarshaller . . . 1414
6.243.3 Member Function Documentation . . . 1414
6.243.3.1 createObject . . . 1414
6.243.3.2 getDataStructureType . . . 1414
6.243.3.3 looseMarshal . . . 1414
6.243.3.4 looseUnmarshal . . . 1415
6.243.3.5 tightMarshal1 . . . 1415
6.243.3.6 tightMarshal2 . . . 1416
6.243.3.7 tightUnmarshal . . . 1416
6.244 activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller Class Reference . . . 1417
6.244.1 Detailed Description . . . 1418
6.244.2 Constructor & Destructor Documentation . . . 1418
6.244.2.1 ConnectionInfoMarshaller . . . 1418
6.244.2.2 ~ConnectionInfoMarshaller . . . 1418
6.244.3 Member Function Documentation . . . 1418
6.244.3.1 createObject . . . 1418
6.244.3.2 getDataStructureType . . . 1418
6.244.3.3 looseMarshal . . . 1418
6.244.3.4 looseUnmarshal . . . 1419
6.244.3.5 tightMarshal1 . . . 1419
6.244.3.6 tightMarshal2 . . . 1420
6.244.3.7 tightUnmarshal . . . 1420
6.245 activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller Class Reference . . . 1421
6.245.1 Detailed Description . . . 1422
6.245.2 Constructor & Destructor Documentation . . . 1422
6.245.2.1 ConnectionInfoMarshaller . . . 1422
6.245.2.2 ~ConnectionInfoMarshaller . . . 1422
6.245.3 Member Function Documentation . . . 1422
6.245.3.1 createObject . . . 1422
6.245.3.2 getDataStructureType . . . 1422
6.245.3.3 looseMarshal . . . 1423
6.245.3.4 looseUnmarshal . . . 1423
6.245.3.5 tightMarshal1 . . . 1424
6.245.3.6 tightMarshal2 . . . 1424
6.245.3.7 tightUnmarshal . . . 1425
6.246 cms::ConnectionMetaData Class Reference . . . 1425
6.246.1 Detailed Description . . . 1426
6.246.2 Constructor & Destructor Documentation . . . 1426
6.246.2.1 ~ConnectionMetaData . . . 1426
6.246.3 Member Function Documentation . . . 1426
6.246.3.1 getCMSMajorVersion . . . 1426
6.246.3.2 getCMSMinorVersion . . . 1427
6.246.3.3 getCMSProviderName . . . 1427

6.246.3.4 getCMSVersion 1427
6.246.3.5 getCMSXPropertyNames 1428
6.246.3.6 getProviderMajorVersion 1428
6.246.3.7 getProviderMinorVersion 1428
6.246.3.8 getProviderVersion 1429
6.247 activemq::state::ConnectionState Class Reference 1429
6.247.1 Constructor & Destructor Documentation 1431
6.247.1.1 ConnectionState 1431
6.247.1.2 ∼ConnectionState 1431
6.247.2 Member Function Documentation 1431
6.247.2.1 addSession 1431
6.247.2.2 addTempDestination 1431
6.247.2.3 addTransactionState 1431
6.247.2.4 checkShutdown 1431
6.247.2.5 getInfo 1431
6.247.2.6 getRecoveringPullConsumers 1431
6.247.2.7 getSessionState 1431
6.247.2.8 getSessionStates 1431
6.247.2.9 getTempDesinations 1431
6.247.2.10 getTransactionState 1431
6.247.2.11 getTransactionStates 1432
6.247.2.12 isConnectionInterruptProcessingComplete 1432
6.247.2.13 removeSession 1432
6.247.2.14 removeTempDestination 1432
6.247.2.15 removeTransactionState 1432
6.247.2.16 reset 1432
6.247.2.17 setConnectionInterruptProcessingComplete 1432
6.247.2.18 shutdown 1432
6.247.2.19 toString 1432
6.248 activemq::state::ConnectionStateTracker Class Reference 1432
6.248.1 Constructor & Destructor Documentation 1435
6.248.1.1 ConnectionStateTracker 1435
6.248.1.2 ∼ConnectionStateTracker 1435
6.248.2 Member Function Documentation 1435
6.248.2.1 connectionInterruptProcessingComplete 1435
6.248.2.2 getMaxCacheSize 1435
6.248.2.3 isRestoreConsumers 1435
6.248.2.4 isRestoreProducers 1435
6.248.2.5 isRestoreSessions 1435
6.248.2.6 isRestoreTransaction 1435
6.248.2.7 isTrackMessages 1435
6.248.2.8 isTrackTransactionProducers 1435
6.248.2.9 isTrackTransactions 1435
6.248.2.10 processBeginTransaction 1435
6.248.2.11 processCommitTransactionOnePhase 1436
6.248.2.12 processCommitTransactionTwoPhase 1436
6.248.2.13 processConnectionInfo 1436
6.248.2.14 processConsumerInfo 1436
6.248.2.15 processDestinationInfo 1436
6.248.2.16 processEndTransaction 1436

6.248.2.17 processMessage 1437
6.248.2.18 processMessageAck 1437
6.248.2.19 processPrepareTransaction 1437
6.248.2.20 processProducerInfo 1437
6.248.2.21 processRemoveConnection 1437
6.248.2.22 processRemoveConsumer 1437
6.248.2.23 processRemoveDestination 1438
6.248.2.24 processRemoveProducer 1438
6.248.2.25 processRemoveSession 1438
6.248.2.26 processRollbackTransaction 1438
6.248.2.27 processSessionInfo 1438
6.248.2.28 restore 1439
6.248.2.29 setMaxCacheSize 1439
6.248.2.30 setRestoreConsumers 1439
6.248.2.31 setRestoreProducers 1439
6.248.2.32 setRestoreSessions 1439
6.248.2.33 setRestoreTransaction 1439
6.248.2.34 setTrackMessages 1439
6.248.2.35 setTrackTransactionProducers 1439
6.248.2.36 setTrackTransactions 1439
6.248.2.37 track 1439
6.248.2.38 trackBack 1439
6.248.2.39 transportInterrupted 1439
6.248.3 Friends And Related Function Documentation 1439
6.248.3.1 RemoveTransactionAction 1439
6.249 decaf::util::logging::ConsoleHandler Class Reference 1439
6.249.1 Detailed Description 1440
6.249.2 Constructor & Destructor Documentation 1440
6.249.2.1 ConsoleHandler 1440
6.249.2.2 ~ConsoleHandler 1440
6.249.3 Member Function Documentation 1440
6.249.3.1 close 1440
6.249.3.2 publish 1441
6.250 activemq::commands::ConsumerControl Class Reference 1441
6.250.1 Constructor & Destructor Documentation 1443
6.250.1.1 ConsumerControl 1443
6.250.1.2 ~ConsumerControl 1443
6.250.2 Member Function Documentation 1443
6.250.2.1 cloneDataStructure 1443
6.250.2.2 copyDataStructure 1443
6.250.2.3 equals 1443
6.250.2.4 getConsumerId 1444
6.250.2.5 getConsumerId 1444
6.250.2.6 getDataStructureType 1444
6.250.2.7 getDestination 1445
6.250.2.8 getDestination 1445
6.250.2.9 getPrefetch 1445
6.250.2.10 isClose 1445
6.250.2.11 isFlush 1445
6.250.2.12 isStart 1445

6.250.2.13 isStop 1445
6.250.2.14 setClose 1445
6.250.2.15 setConsumerId 1445
6.250.2.16 setDestination 1445
6.250.2.17 setFlush 1445
6.250.2.18 setPrefetch 1445
6.250.2.19 setStart 1445
6.250.2.20 setStop 1445
6.250.2.21 toString 1445
6.250.2.22 visit 1446
6.250.3 Field Documentation 1446
6.250.3.1 close 1446
6.250.3.2 consumerId 1446
6.250.3.3 destination 1446
6.250.3.4 flush 1446
6.250.3.5 ID_CONSUMERCONTROL 1446
6.250.3.6 prefetch 1446
6.250.3.7 start 1446
6.250.3.8 stop 1446
6.251 activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller Class Reference 1447
6.251.1 Detailed Description 1448
6.251.2 Constructor & Destructor Documentation 1448
6.251.2.1 ConsumerControlMarshaller 1448
6.251.2.2 ~ConsumerControlMarshaller 1448
6.251.3 Member Function Documentation 1448
6.251.3.1 createObject 1448
6.251.3.2 getDataStructureType 1448
6.251.3.3 looseMarshal 1448
6.251.3.4 looseUnmarshal 1449
6.251.3.5 tightMarshal1 1449
6.251.3.6 tightMarshal2 1450
6.251.3.7 tightUnmarshal 1450
6.252 activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller Class Reference 1451
6.252.1 Detailed Description 1452
6.252.2 Constructor & Destructor Documentation 1452
6.252.2.1 ConsumerControlMarshaller 1452
6.252.2.2 ~ConsumerControlMarshaller 1452
6.252.3 Member Function Documentation 1452
6.252.3.1 createObject 1452
6.252.3.2 getDataStructureType 1452
6.252.3.3 looseMarshal 1453
6.252.3.4 looseUnmarshal 1453
6.252.3.5 tightMarshal1 1454
6.252.3.6 tightMarshal2 1454
6.252.3.7 tightUnmarshal 1455
6.253 activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller Class Reference 1455
6.253.1 Detailed Description 1456

6.253.2 Constructor & Destructor Documentation 1456
6.253.2.1 ConsumerControlMarshaller 1456
6.253.2.2 ∼ConsumerControlMarshaller 1456
6.253.3 Member Function Documentation 1456
6.253.3.1 createObject 1456
6.253.3.2 getDataStructureType 1457
6.253.3.3 looseMarshal 1457
6.253.3.4 looseUnmarshal 1457
6.253.3.5 tightMarshal1 1458
6.253.3.6 tightMarshal2 1458
6.253.3.7 tightUnmarshal 1459
6.254 activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller Class Reference 1459
6.254.1 Detailed Description 1460
6.254.2 Constructor & Destructor Documentation 1461
6.254.2.1 ConsumerControlMarshaller 1461
6.254.2.2 ∼ConsumerControlMarshaller 1461
6.254.3 Member Function Documentation 1461
6.254.3.1 createObject 1461
6.254.3.2 getDataStructureType 1461
6.254.3.3 looseMarshal 1461
6.254.3.4 looseUnmarshal 1462
6.254.3.5 tightMarshal1 1462
6.254.3.6 tightMarshal2 1463
6.254.3.7 tightUnmarshal 1463
6.255 activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller Class Reference 1464
6.255.1 Detailed Description 1465
6.255.2 Constructor & Destructor Documentation 1465
6.255.2.1 ConsumerControlMarshaller 1465
6.255.2.2 ∼ConsumerControlMarshaller 1465
6.255.3 Member Function Documentation 1465
6.255.3.1 createObject 1465
6.255.3.2 getDataStructureType 1465
6.255.3.3 looseMarshal 1465
6.255.3.4 looseUnmarshal 1466
6.255.3.5 tightMarshal1 1466
6.255.3.6 tightMarshal2 1467
6.255.3.7 tightUnmarshal 1467
6.256 activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller Class Reference 1468
6.256.1 Detailed Description 1469
6.256.2 Constructor & Destructor Documentation 1469
6.256.2.1 ConsumerControlMarshaller 1469
6.256.2.2 ∼ConsumerControlMarshaller 1469
6.256.3 Member Function Documentation 1469
6.256.3.1 createObject 1469
6.256.3.2 getDataStructureType 1469
6.256.3.3 looseMarshal 1470
6.256.3.4 looseUnmarshal 1470

6.256.3.5 tightMarshal1 1471
6.256.3.6 tightMarshal2 1471
6.256.3.7 tightUnmarshal 1472
6.257 activemq::commands::ConsumerId Class Reference 1472
6.257.1 Member Typedef Documentation 1474
6.257.1.1 COMPARATOR 1474
6.257.2 Constructor & Destructor Documentation 1474
6.257.2.1 ConsumerId 1474
6.257.2.2 ConsumerId 1474
6.257.2.3 ConsumerId 1474
6.257.2.4 ∼ConsumerId 1474
6.257.3 Member Function Documentation 1474
6.257.3.1 cloneDataStructure 1474
6.257.3.2 compareTo 1474
6.257.3.3 copyDataStructure 1474
6.257.3.4 equals 1475
6.257.3.5 equals 1475
6.257.3.6 getConnectionId 1475
6.257.3.7 getConnectionId 1475
6.257.3.8 getDataStructureType 1475
6.257.3.9 getParentId 1476
6.257.3.10 getSessionId 1476
6.257.3.11 getValue 1476
6.257.3.12 operator< 1476
6.257.3.13 operator= 1476
6.257.3.14 operator== 1476
6.257.3.15 setConnectionId 1476
6.257.3.16 setSessionId 1476
6.257.3.17 setValue 1476
6.257.3.18 toString 1476
6.257.4 Field Documentation 1476
6.257.4.1 connectionId 1476
6.257.4.2 ID_CONSUMERID 1476
6.257.4.3 sessionId 1477
6.257.4.4 value 1477
6.258 activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller Class Reference 1477
6.258.1 Detailed Description 1478
6.258.2 Constructor & Destructor Documentation 1478
6.258.2.1 ConsumerIdMarshaller 1478
6.258.2.2 ∼ConsumerIdMarshaller 1478
6.258.3 Member Function Documentation 1478
6.258.3.1 createObject 1478
6.258.3.2 getDataStructureType 1478
6.258.3.3 looseMarshal 1479
6.258.3.4 looseUnmarshal 1479
6.258.3.5 tightMarshal1 1479
6.258.3.6 tightMarshal2 1480
6.258.3.7 tightUnmarshal 1480

6.259 activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller Class Reference . . . 1481
6.259.1 Detailed Description . . . 1482
6.259.2 Constructor & Destructor Documentation . . . 1482
6.259.2.1 ConsumerIdMarshaller . . . 1482
6.259.2.2 ~ConsumerIdMarshaller . . . 1482
6.259.3 Member Function Documentation . . . 1482
6.259.3.1 createObject . . . 1482
6.259.3.2 getDataStructureType . . . 1482
6.259.3.3 looseMarshal . . . 1483
6.259.3.4 looseUnmarshal . . . 1483
6.259.3.5 tightMarshal1 . . . 1484
6.259.3.6 tightMarshal2 . . . 1484
6.259.3.7 tightUnmarshal . . . 1485
6.260 activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller Class Reference . . . 1485
6.260.1 Detailed Description . . . 1486
6.260.2 Constructor & Destructor Documentation . . . 1486
6.260.2.1 ConsumerIdMarshaller . . . 1486
6.260.2.2 ~ConsumerIdMarshaller . . . 1486
6.260.3 Member Function Documentation . . . 1486
6.260.3.1 createObject . . . 1486
6.260.3.2 getDataStructureType . . . 1487
6.260.3.3 looseMarshal . . . 1487
6.260.3.4 looseUnmarshal . . . 1487
6.260.3.5 tightMarshal1 . . . 1488
6.260.3.6 tightMarshal2 . . . 1488
6.260.3.7 tightUnmarshal . . . 1489
6.261 activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller Class Reference . . . 1489
6.261.1 Detailed Description . . . 1490
6.261.2 Constructor & Destructor Documentation . . . 1490
6.261.2.1 ConsumerIdMarshaller . . . 1490
6.261.2.2 ~ConsumerIdMarshaller . . . 1490
6.261.3 Member Function Documentation . . . 1490
6.261.3.1 createObject . . . 1490
6.261.3.2 getDataStructureType . . . 1491
6.261.3.3 looseMarshal . . . 1491
6.261.3.4 looseUnmarshal . . . 1491
6.261.3.5 tightMarshal1 . . . 1492
6.261.3.6 tightMarshal2 . . . 1492
6.261.3.7 tightUnmarshal . . . 1493
6.262 activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller Class Reference . . . 1493
6.262.1 Detailed Description . . . 1494
6.262.2 Constructor & Destructor Documentation . . . 1494
6.262.2.1 ConsumerIdMarshaller . . . 1494
6.262.2.2 ~ConsumerIdMarshaller . . . 1494
6.262.3 Member Function Documentation . . . 1494
6.262.3.1 createObject . . . 1494

6.262.3.2 getDataStructureType 1495
6.262.3.3 looseMarshal 1495
6.262.3.4 looseUnmarshal 1495
6.262.3.5 tightMarshal1 1496
6.262.3.6 tightMarshal2 1496
6.262.3.7 tightUnmarshal 1497
6.263 activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller Class Reference 1497
6.263.1 Detailed Description 1498
6.263.2 Constructor & Destructor Documentation 1498
6.263.2.1 ConsumerIdMarshaller 1498
6.263.2.2 ∼ConsumerIdMarshaller 1498
6.263.3 Member Function Documentation 1498
6.263.3.1 createObject 1498
6.263.3.2 getDataStructureType 1499
6.263.3.3 looseMarshal 1499
6.263.3.4 looseUnmarshal 1499
6.263.3.5 tightMarshal1 1500
6.263.3.6 tightMarshal2 1500
6.263.3.7 tightUnmarshal 1501
6.264 activemq::commands::ConsumerInfo Class Reference 1501
6.264.1 Constructor & Destructor Documentation 1504
6.264.1.1 ConsumerInfo 1504
6.264.1.2 ∼ConsumerInfo 1504
6.264.2 Member Function Documentation 1504
6.264.2.1 cloneDataStructure 1504
6.264.2.2 copyDataStructure 1504
6.264.2.3 createRemoveCommand 1504
6.264.2.4 equals 1504
6.264.2.5 getAdditionalPredicate 1505
6.264.2.6 getAdditionalPredicate 1505
6.264.2.7 getBrokerPath 1505
6.264.2.8 getBrokerPath 1505
6.264.2.9 getConsumerId 1505
6.264.2.10 getConsumerId 1505
6.264.2.11 getDataStructureType 1505
6.264.2.12 getDestination 1506
6.264.2.13 getDestination 1506
6.264.2.14 getMaximumPendingMessageLimit 1506
6.264.2.15 getNetworkConsumerPath 1506
6.264.2.16 getNetworkConsumerPath 1506
6.264.2.17 getPrefetchSize 1506
6.264.2.18 getPriority 1506
6.264.2.19 getSelector 1506
6.264.2.20 getSelector 1506
6.264.2.21 getSubscriptionName 1506
6.264.2.22 getSubscriptionName 1506
6.264.2.23 isBrowser 1506
6.264.2.24 isConsumerInfo 1506
6.264.2.25 isDispatchAsync 1507

6.264.2.26 isExclusive 1507
6.264.2.27 isNetworkSubscription 1507
6.264.2.28 isNoLocal 1507
6.264.2.29 isNoRangeAcks 1507
6.264.2.30 isOptimizedAcknowledge 1507
6.264.2.31 isRetroactive 1507
6.264.2.32 setAdditionalPredicate 1507
6.264.2.33 setBrokerPath 1507
6.264.2.34 setBrowser 1507
6.264.2.35 setConsumerId 1507
6.264.2.36 setDestination 1507
6.264.2.37 setDispatchAsync 1507
6.264.2.38 setExclusive 1507
6.264.2.39 setMaximumPendingMessageLimit 1507
6.264.2.40 setNetworkConsumerPath 1507
6.264.2.41 setNetworkSubscription 1507
6.264.2.42 setNoLocal 1507
6.264.2.43 setNoRangeAcks 1507
6.264.2.44 setOptimizedAcknowledge 1507
6.264.2.45 setPrefetchSize 1507
6.264.2.46 setPriority 1507
6.264.2.47 setRetroactive 1507
6.264.2.48 setSelector 1507
6.264.2.49 setSubscriptionName 1507
6.264.2.50 toString 1507
6.264.2.51 visit 1508
6.264.3 Field Documentation 1509
6.264.3.1 additionalPredicate 1509
6.264.3.2 brokerPath 1509
6.264.3.3 browser 1509
6.264.3.4 consumerId 1509
6.264.3.5 destination 1509
6.264.3.6 dispatchAsync 1509
6.264.3.7 exclusive 1509
6.264.3.8 ID_CONSUMERINFO 1509
6.264.3.9 maximumPendingMessageLimit 1509
6.264.3.10 networkConsumerPath 1509
6.264.3.11 networkSubscription 1509
6.264.3.12 noLocal 1509
6.264.3.13 noRangeAcks 1509
6.264.3.14 optimizedAcknowledge 1509
6.264.3.15 prefetchSize 1509
6.264.3.16 priority 1509
6.264.3.17 retroactive 1509
6.264.3.18 selector 1509
6.264.3.19 subscriptionName 1509
6.265 activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller Class Reference 1510
6.265.1 Detailed Description 1511
6.265.2 Constructor & Destructor Documentation 1511

6.265.2.1 ConsumerInfoMarshaller 1511
6.265.2.2 ∼ConsumerInfoMarshaller 1511
6.265.3 Member Function Documentation 1511
6.265.3.1 createObject 1511
6.265.3.2 getDataStructureType 1511
6.265.3.3 looseMarshal 1511
6.265.3.4 looseUnmarshal 1512
6.265.3.5 tightMarshal1 1512
6.265.3.6 tightMarshal2 1513
6.265.3.7 tightUnmarshal 1513
6.266 activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller Class Reference 1514
6.266.1 Detailed Description 1515
6.266.2 Constructor & Destructor Documentation 1515
6.266.2.1 ConsumerInfoMarshaller 1515
6.266.2.2 ∼ConsumerInfoMarshaller 1515
6.266.3 Member Function Documentation 1515
6.266.3.1 createObject 1515
6.266.3.2 getDataStructureType 1515
6.266.3.3 looseMarshal 1516
6.266.3.4 looseUnmarshal 1516
6.266.3.5 tightMarshal1 1517
6.266.3.6 tightMarshal2 1517
6.266.3.7 tightUnmarshal 1518
6.267 activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller Class Reference 1518
6.267.1 Detailed Description 1519
6.267.2 Constructor & Destructor Documentation 1519
6.267.2.1 ConsumerInfoMarshaller 1519
6.267.2.2 ∼ConsumerInfoMarshaller 1519
6.267.3 Member Function Documentation 1519
6.267.3.1 createObject 1519
6.267.3.2 getDataStructureType 1520
6.267.3.3 looseMarshal 1520
6.267.3.4 looseUnmarshal 1520
6.267.3.5 tightMarshal1 1521
6.267.3.6 tightMarshal2 1521
6.267.3.7 tightUnmarshal 1522
6.268 activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller Class Reference 1522
6.268.1 Detailed Description 1523
6.268.2 Constructor & Destructor Documentation 1524
6.268.2.1 ConsumerInfoMarshaller 1524
6.268.2.2 ∼ConsumerInfoMarshaller 1524
6.268.3 Member Function Documentation 1524
6.268.3.1 createObject 1524
6.268.3.2 getDataStructureType 1524
6.268.3.3 looseMarshal 1524
6.268.3.4 looseUnmarshal 1525
6.268.3.5 tightMarshal1 1525

6.268.3.6 tightMarshal2 1526
6.268.3.7 tightUnmarshal 1526
6.269 activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller Class Reference 1527
6.269.1 Detailed Description 1528
6.269.2 Constructor & Destructor Documentation 1528
6.269.2.1 ConsumerInfoMarshaller 1528
6.269.2.2 ∼ConsumerInfoMarshaller 1528
6.269.3 Member Function Documentation 1528
6.269.3.1 createObject 1528
6.269.3.2 getDataStructureType 1528
6.269.3.3 looseMarshal 1528
6.269.3.4 looseUnmarshal 1529
6.269.3.5 tightMarshal1 1529
6.269.3.6 tightMarshal2 1530
6.269.3.7 tightUnmarshal 1530
6.270 activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller Class Reference 1531
6.270.1 Detailed Description 1532
6.270.2 Constructor & Destructor Documentation 1532
6.270.2.1 ConsumerInfoMarshaller 1532
6.270.2.2 ∼ConsumerInfoMarshaller 1532
6.270.3 Member Function Documentation 1532
6.270.3.1 createObject 1532
6.270.3.2 getDataStructureType 1532
6.270.3.3 looseMarshal 1533
6.270.3.4 looseUnmarshal 1533
6.270.3.5 tightMarshal1 1534
6.270.3.6 tightMarshal2 1534
6.270.3.7 tightUnmarshal 1535
6.271 activemq::state::ConsumerState Class Reference 1535
6.271.1 Constructor & Destructor Documentation 1536
6.271.1.1 ConsumerState 1536
6.271.1.2 ∼ConsumerState 1536
6.271.2 Member Function Documentation 1536
6.271.2.1 getInfo 1536
6.271.2.2 toString 1536
6.272 activemq::commands::ControlCommand Class Reference 1536
6.272.1 Constructor & Destructor Documentation 1537
6.272.1.1 ControlCommand 1537
6.272.1.2 ∼ControlCommand 1537
6.272.2 Member Function Documentation 1537
6.272.2.1 cloneDataStructure 1537
6.272.2.2 copyDataStructure 1537
6.272.2.3 equals 1538
6.272.2.4 getCommand 1538
6.272.2.5 getCommand 1538
6.272.2.6 getDataStructureType 1538
6.272.2.7 setCommand 1538
6.272.2.8 toString 1538

6.272.2.9 visit 1539
6.272.3 Field Documentation 1539
6.272.3.1 command 1539
6.272.3.2 ID_CONTROLCOMMAND 1539
6.273 activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller Class Reference 1539
6.273.1 Detailed Description 1540
6.273.2 Constructor & Destructor Documentation 1541
6.273.2.1 ControlCommandMarshaller 1541
6.273.2.2 ∼ControlCommandMarshaller 1541
6.273.3 Member Function Documentation 1541
6.273.3.1 createObject 1541
6.273.3.2 getDataStructureType 1541
6.273.3.3 looseMarshal 1541
6.273.3.4 looseUnmarshal 1542
6.273.3.5 tightMarshal1 1542
6.273.3.6 tightMarshal2 1543
6.273.3.7 tightUnmarshal 1543
6.274 activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller Class Reference 1544
6.274.1 Detailed Description 1545
6.274.2 Constructor & Destructor Documentation 1545
6.274.2.1 ControlCommandMarshaller 1545
6.274.2.2 ∼ControlCommandMarshaller 1545
6.274.3 Member Function Documentation 1545
6.274.3.1 createObject 1545
6.274.3.2 getDataStructureType 1545
6.274.3.3 looseMarshal 1545
6.274.3.4 looseUnmarshal 1546
6.274.3.5 tightMarshal1 1546
6.274.3.6 tightMarshal2 1547
6.274.3.7 tightUnmarshal 1547
6.275 activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller Class Reference 1548
6.275.1 Detailed Description 1549
6.275.2 Constructor & Destructor Documentation 1549
6.275.2.1 ControlCommandMarshaller 1549
6.275.2.2 ∼ControlCommandMarshaller 1549
6.275.3 Member Function Documentation 1549
6.275.3.1 createObject 1549
6.275.3.2 getDataStructureType 1549
6.275.3.3 looseMarshal 1550
6.275.3.4 looseUnmarshal 1550
6.275.3.5 tightMarshal1 1551
6.275.3.6 tightMarshal2 1551
6.275.3.7 tightUnmarshal 1552
6.276 activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller Class Reference 1552
6.276.1 Detailed Description 1553
6.276.2 Constructor & Destructor Documentation 1553

6.276.2.1 ControlCommandMarshaller 1553
6.276.2.2 ∼ControlCommandMarshaller 1553
6.276.3 Member Function Documentation 1553
6.276.3.1 createObject 1553
6.276.3.2 getDataStructureType 1554
6.276.3.3 looseMarshal 1554
6.276.3.4 looseUnmarshal 1554
6.276.3.5 tightMarshal1 1555
6.276.3.6 tightMarshal2 1555
6.276.3.7 tightUnmarshal 1556
6.277 activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller Class Reference 1556
6.277.1 Detailed Description 1557
6.277.2 Constructor & Destructor Documentation 1558
6.277.2.1 ControlCommandMarshaller 1558
6.277.2.2 ∼ControlCommandMarshaller 1558
6.277.3 Member Function Documentation 1558
6.277.3.1 createObject 1558
6.277.3.2 getDataStructureType 1558
6.277.3.3 looseMarshal 1558
6.277.3.4 looseUnmarshal 1559
6.277.3.5 tightMarshal1 1559
6.277.3.6 tightMarshal2 1560
6.277.3.7 tightUnmarshal 1560
6.278 activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller Class Reference 1561
6.278.1 Detailed Description 1562
6.278.2 Constructor & Destructor Documentation 1562
6.278.2.1 ControlCommandMarshaller 1562
6.278.2.2 ∼ControlCommandMarshaller 1562
6.278.3 Member Function Documentation 1562
6.278.3.1 createObject 1562
6.278.3.2 getDataStructureType 1562
6.278.3.3 looseMarshal 1562
6.278.3.4 looseUnmarshal 1563
6.278.3.5 tightMarshal1 1563
6.278.3.6 tightMarshal2 1564
6.278.3.7 tightUnmarshal 1564
6.279 decaf::util::concurrent::CountDownLatch Class Reference 1565
6.279.1 Constructor & Destructor Documentation 1566
6.279.1.1 CountDownLatch 1566
6.279.1.2 ∼CountDownLatch 1566
6.279.2 Member Function Documentation 1566
6.279.2.1 await 1566
6.279.2.2 await 1566
6.279.2.3 await 1567
6.279.2.4 countDown 1568
6.279.2.5 getCount 1568
6.280 decaf::util::zip::CRC32 Class Reference 1568
6.280.1 Detailed Description 1569

6.280.2 Constructor & Destructor Documentation 1569
6.280.2.1 CRC32 1569
6.280.2.2 ∼CRC32 1569
6.280.3 Member Function Documentation 1569
6.280.3.1 getValue 1569
6.280.3.2 reset 1569
6.280.3.3 update 1569
6.280.3.4 update 1570
6.280.3.5 update 1570
6.280.3.6 update 1570
6.281 ct_data_s Struct Reference 1571
6.281.1 Field Documentation 1571
6.281.1.1 code 1571
6.281.1.2 dad 1571
6.281.1.3 dl 1571
6.281.1.4 fc 1571
6.281.1.5 freq 1571
6.281.1.6 len 1571
6.282 activemq::commands::DataArrayResponse Class Reference 1572
6.282.1 Constructor & Destructor Documentation 1573
6.282.1.1 DataArrayResponse 1573
6.282.1.2 ∼DataArrayResponse 1573
6.282.2 Member Function Documentation 1573
6.282.2.1 cloneDataStructure 1573
6.282.2.2 copyDataStructure 1573
6.282.2.3 equals 1573
6.282.2.4 getData 1574
6.282.2.5 getData 1574
6.282.2.6 getDataStructureType 1574
6.282.2.7 setData 1574
6.282.2.8 toString 1574
6.282.3 Field Documentation 1574
6.282.3.1 data 1574
6.282.3.2 ID_DATAARRAYRESPONSE 1574
6.283 activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller Class Reference 1574
6.283.1 Detailed Description 1575
6.283.2 Constructor & Destructor Documentation 1576
6.283.2.1 DataArrayResponseMarshaller 1576
6.283.2.2 ∼DataArrayResponseMarshaller 1576
6.283.3 Member Function Documentation 1576
6.283.3.1 createObject 1576
6.283.3.2 getDataStructureType 1576
6.283.3.3 looseMarshal 1576
6.283.3.4 looseUnmarshal 1577
6.283.3.5 tightMarshal1 1577
6.283.3.6 tightMarshal2 1578
6.283.3.7 tightUnmarshal 1578
6.284 activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller Class Reference 1579

6.284.1 Detailed Description 1580
6.284.2 Constructor & Destructor Documentation 1580
6.284.2.1 DataArrayResponseMarshaller 1580
6.284.2.2 ∼DataArrayResponseMarshaller 1580
6.284.3 Member Function Documentation 1580
6.284.3.1 createObject 1580
6.284.3.2 getDataStructureType 1580
6.284.3.3 looseMarshal 1581
6.284.3.4 looseUnmarshal 1581
6.284.3.5 tightMarshal1 1581
6.284.3.6 tightMarshal2 1582
6.284.3.7 tightUnmarshal 1582
6.285 activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller Class Reference 1583
6.285.1 Detailed Description 1584
6.285.2 Constructor & Destructor Documentation 1584
6.285.2.1 DataArrayResponseMarshaller 1584
6.285.2.2 ∼DataArrayResponseMarshaller 1584
6.285.3 Member Function Documentation 1584
6.285.3.1 createObject 1584
6.285.3.2 getDataStructureType 1585
6.285.3.3 looseMarshal 1585
6.285.3.4 looseUnmarshal 1585
6.285.3.5 tightMarshal1 1586
6.285.3.6 tightMarshal2 1586
6.285.3.7 tightUnmarshal 1587
6.286 activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller Class Reference 1587
6.286.1 Detailed Description 1588
6.286.2 Constructor & Destructor Documentation 1589
6.286.2.1 DataArrayResponseMarshaller 1589
6.286.2.2 ∼DataArrayResponseMarshaller 1589
6.286.3 Member Function Documentation 1589
6.286.3.1 createObject 1589
6.286.3.2 getDataStructureType 1589
6.286.3.3 looseMarshal 1589
6.286.3.4 looseUnmarshal 1590
6.286.3.5 tightMarshal1 1590
6.286.3.6 tightMarshal2 1591
6.286.3.7 tightUnmarshal 1591
6.287 activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller Class Reference 1592
6.287.1 Detailed Description 1593
6.287.2 Constructor & Destructor Documentation 1593
6.287.2.1 DataArrayResponseMarshaller 1593
6.287.2.2 ∼DataArrayResponseMarshaller 1593
6.287.3 Member Function Documentation 1593
6.287.3.1 createObject 1593
6.287.3.2 getDataStructureType 1593
6.287.3.3 looseMarshal 1594

6.287.3.4 looseUnmarshal 1594
6.287.3.5 tightMarshal1 1594
6.287.3.6 tightMarshal2 1595
6.287.3.7 tightUnmarshal 1595
6.288 activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller Class Reference 1596
6.288.1 Detailed Description 1597
6.288.2 Constructor & Destructor Documentation 1597
6.288.2.1 DataArrayResponseMarshaller 1597
6.288.2.2 ∼DataArrayResponseMarshaller 1597
6.288.3 Member Function Documentation 1597
6.288.3.1 createObject 1597
6.288.3.2 getDataStructureType 1598
6.288.3.3 looseMarshal 1598
6.288.3.4 looseUnmarshal 1598
6.288.3.5 tightMarshal1 1599
6.288.3.6 tightMarshal2 1599
6.288.3.7 tightUnmarshal 1600
6.289 decaf::util::zip::DataFormatException Class Reference 1600
6.289.1 Constructor & Destructor Documentation 1601
6.289.1.1 DataFormatException 1601
6.289.1.2 DataFormatException 1601
6.289.1.3 DataFormatException 1601
6.289.1.4 DataFormatException 1602
6.289.1.5 DataFormatException 1602
6.289.1.6 DataFormatException 1602
6.289.1.7 ∼DataFormatException 1602
6.289.2 Member Function Documentation 1602
6.289.2.1 clone 1602
6.290 decaf::io::DataInput Class Reference 1603
6.290.1 Detailed Description 1605
6.290.2 Constructor & Destructor Documentation 1605
6.290.2.1 ∼DataInput 1605
6.290.3 Member Function Documentation 1605
6.290.3.1 readBoolean 1605
6.290.3.2 readByte 1605
6.290.3.3 readChar 1606
6.290.3.4 readDouble 1606
6.290.3.5 readFloat 1607
6.290.3.6 readFully 1607
6.290.3.7 readFully 1608
6.290.3.8 readInt 1608
6.290.3.9 readLine 1609
6.290.3.10 readLong 1609
6.290.3.11 readShort 1610
6.290.3.12 readString 1610
6.290.3.13 readUnsignedByte 1611
6.290.3.14 readUnsignedShort 1611
6.290.3.15 readUTF 1611
6.290.3.16 skipBytes 1612

6.291 decaf::io::DataInputStream Class Reference 1612
6.291.1 Detailed Description 1614
6.291.2 Constructor & Destructor Documentation 1615
6.291.2.1 DataInputStream 1615
6.291.2.2 ~DataInputStream 1615
6.291.3 Member Function Documentation 1615
6.291.3.1 readBoolean 1615
6.291.3.2 readByte 1615
6.291.3.3 readChar 1616
6.291.3.4 readDouble 1616
6.291.3.5 readFloat 1616
6.291.3.6 readFully 1617
6.291.3.7 readFully 1617
6.291.3.8 readInt 1618
6.291.3.9 readLine 1618
6.291.3.10 readLong 1619
6.291.3.11 readShort 1619
6.291.3.12 readString 1620
6.291.3.13 readUnsignedByte 1620
6.291.3.14 readUnsignedShort 1621
6.291.3.15 readUTF 1621
6.291.3.16 skipBytes 1621
6.292 decaf::io::DataOutput Class Reference 1622
6.292.1 Detailed Description 1623
6.292.2 Constructor & Destructor Documentation 1624
6.292.2.1 ~DataOutput 1624
6.292.3 Member Function Documentation 1624
6.292.3.1 writeBoolean 1624
6.292.3.2 writeByte 1624
6.292.3.3 writeBytes 1624
6.292.3.4 writeChar 1625
6.292.3.5 writeChars 1625
6.292.3.6 writeDouble 1625
6.292.3.7 writeFloat 1626
6.292.3.8 writeInt 1626
6.292.3.9 writeLong 1626
6.292.3.10 writeShort 1627
6.292.3.11 writeUnsignedShort 1627
6.292.3.12 writeUTF 1627
6.293 decaf::io::DataOutputStream Class Reference 1628
6.293.1 Detailed Description 1629
6.293.2 Constructor & Destructor Documentation 1629
6.293.2.1 DataOutputStream 1629
6.293.2.2 ~DataOutputStream 1630
6.293.3 Member Function Documentation 1630
6.293.3.1 doWriteArrayBounded 1630
6.293.3.2 doWriteByte 1630
6.293.3.3 size 1630
6.293.3.4 writeBoolean 1631
6.293.3.5 writeByte 1631

6.293.3.6 writeBytes 1631
6.293.3.7 writeChar 1631
6.293.3.8 writeChars 1631
6.293.3.9 writeDouble 1631
6.293.3.10 writeFloat 1631
6.293.3.11 writeInt 1631
6.293.3.12 writeLong 1631
6.293.3.13 writeShort 1631
6.293.3.14 writeUnsignedShort 1631
6.293.3.15 writeUTF 1631
6.293.4 Field Documentation 1631
6.293.4.1 buffer 1631
6.293.4.2 written 1631
6.294 activemq::commands::DataResponse Class Reference 1632
6.294.1 Constructor & Destructor Documentation 1633
6.294.1.1 DataResponse 1633
6.294.1.2 ∼DataResponse 1633
6.294.2 Member Function Documentation 1633
6.294.2.1 cloneDataStructure 1633
6.294.2.2 copyDataStructure 1633
6.294.2.3 equals 1633
6.294.2.4 getData 1634
6.294.2.5 getData 1634
6.294.2.6 getDataStructureType 1634
6.294.2.7 setData 1634
6.294.2.8 toString 1634
6.294.3 Field Documentation 1634
6.294.3.1 data 1634
6.294.3.2 ID_DATARESPONSE 1634
6.295 activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller Class Reference 1635
6.295.1 Detailed Description 1636
6.295.2 Constructor & Destructor Documentation 1636
6.295.2.1 DataResponseMarshaller 1636
6.295.2.2 ∼DataResponseMarshaller 1636
6.295.3 Member Function Documentation 1636
6.295.3.1 createObject 1636
6.295.3.2 getDataStructureType 1636
6.295.3.3 looseMarshal 1636
6.295.3.4 looseUnmarshal 1637
6.295.3.5 tightMarshal1 1637
6.295.3.6 tightMarshal2 1638
6.295.3.7 tightUnmarshal 1638
6.296 activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller Class Reference 1639
6.296.1 Detailed Description 1640
6.296.2 Constructor & Destructor Documentation 1640
6.296.2.1 DataResponseMarshaller 1640
6.296.2.2 ∼DataResponseMarshaller 1640
6.296.3 Member Function Documentation 1640

6.296.3.1 createObject 1640
6.296.3.2 getDataStructureType 1640
6.296.3.3 looseMarshal 1641
6.296.3.4 looseUnmarshal 1641
6.296.3.5 tightMarshal1 1642
6.296.3.6 tightMarshal2 1642
6.296.3.7 tightUnmarshal 1643
6.297 activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller Class Reference 1643
6.297.1 Detailed Description 1644
6.297.2 Constructor & Destructor Documentation 1644
6.297.2.1 DataResponseMarshaller 1644
6.297.2.2 ∼DataResponseMarshaller 1644
6.297.3 Member Function Documentation 1644
6.297.3.1 createObject 1644
6.297.3.2 getDataStructureType 1645
6.297.3.3 looseMarshal 1645
6.297.3.4 looseUnmarshal 1645
6.297.3.5 tightMarshal1 1646
6.297.3.6 tightMarshal2 1646
6.297.3.7 tightUnmarshal 1647
6.298 activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller Class Reference 1647
6.298.1 Detailed Description 1648
6.298.2 Constructor & Destructor Documentation 1649
6.298.2.1 DataResponseMarshaller 1649
6.298.2.2 ∼DataResponseMarshaller 1649
6.298.3 Member Function Documentation 1649
6.298.3.1 createObject 1649
6.298.3.2 getDataStructureType 1649
6.298.3.3 looseMarshal 1649
6.298.3.4 looseUnmarshal 1650
6.298.3.5 tightMarshal1 1650
6.298.3.6 tightMarshal2 1651
6.298.3.7 tightUnmarshal 1651
6.299 activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller Class Reference 1652
6.299.1 Detailed Description 1653
6.299.2 Constructor & Destructor Documentation 1653
6.299.2.1 DataResponseMarshaller 1653
6.299.2.2 ∼DataResponseMarshaller 1653
6.299.3 Member Function Documentation 1653
6.299.3.1 createObject 1653
6.299.3.2 getDataStructureType 1653
6.299.3.3 looseMarshal 1654
6.299.3.4 looseUnmarshal 1654
6.299.3.5 tightMarshal1 1654
6.299.3.6 tightMarshal2 1655
6.299.3.7 tightUnmarshal 1655

6.300 activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller Class Reference . . . 1656
6.300.1 Detailed Description . . . 1657
6.300.2 Constructor & Destructor Documentation . . . 1657
6.300.2.1 DataResponseMarshaller . . . 1657
6.300.2.2 ∼DataResponseMarshaller . . . 1657
6.300.3 Member Function Documentation . . . 1657
6.300.3.1 createObject . . . 1657
6.300.3.2 getDataStructureType . . . 1658
6.300.3.3 looseMarshal . . . 1658
6.300.3.4 looseUnmarshal . . . 1658
6.300.3.5 tightMarshal1 . . . 1659
6.300.3.6 tightMarshal2 . . . 1659
6.300.3.7 tightUnmarshal . . . 1660
6.301 activemq::wireformat::openwire::marshal::DataStreamMarshaller Class Reference . . . 1660
6.301.1 Detailed Description . . . 1661
6.301.2 Constructor & Destructor Documentation . . . 1661
6.301.2.1 ∼DataStreamMarshaller . . . 1661
6.301.3 Member Function Documentation . . . 1661
6.301.3.1 createObject . . . 1661
6.301.3.2 getDataStructureType . . . 1668
6.301.3.3 looseMarshal . . . 1675
6.301.3.4 looseUnmarshal . . . 1683
6.301.3.5 tightMarshal1 . . . 1690
6.301.3.6 tightMarshal2 . . . 1698
6.301.3.7 tightUnmarshal . . . 1706
6.302 activemq::commands::DataStructure Class Reference . . . 1713
6.302.1 Constructor & Destructor Documentation . . . 1714
6.302.1.1 ∼DataStructure . . . 1714
6.302.2 Member Function Documentation . . . 1714
6.302.2.1 cloneDataStructure . . . 1714
6.302.2.2 copyDataStructure . . . 1715
6.302.2.3 equals . . . 1716
6.302.2.4 getDataStructureType . . . 1717
6.302.2.5 toString . . . 1718
6.303 decaf::util::Date Class Reference . . . 1719
6.303.1 Detailed Description . . . 1720
6.303.2 Constructor & Destructor Documentation . . . 1720
6.303.2.1 Date . . . 1720
6.303.2.2 Date . . . 1720
6.303.2.3 Date . . . 1720
6.303.2.4 ∼Date . . . 1721
6.303.3 Member Function Documentation . . . 1721
6.303.3.1 after . . . 1721
6.303.3.2 before . . . 1721
6.303.3.3 compareTo . . . 1721
6.303.3.4 equals . . . 1721
6.303.3.5 getTime . . . 1722
6.303.3.6 operator< . . . 1722

6.303.3.7 operator= 1722
6.303.3.8 operator== 1722
6.303.3.9 setTime 1723
6.303.3.10 toString 1723
6.304 decaf::internal::DecafRuntime Class Reference 1723
6.304.1 Detailed Description 1724
6.304.2 Constructor & Destructor Documentation 1724
6.304.2.1 DecafRuntime 1724
6.304.2.2 ∼DecafRuntime 1724
6.304.3 Member Function Documentation 1724
6.304.3.1 getGlobalPool 1724
6.305 activemq::threads::DedicatedTaskRunner Class Reference 1724
6.305.1 Constructor & Destructor Documentation 1725
6.305.1.1 DedicatedTaskRunner 1725
6.305.1.2 ∼DedicatedTaskRunner 1725
6.305.2 Member Function Documentation 1725
6.305.2.1 run 1725
6.305.2.2 shutdown 1725
6.305.2.3 shutdown 1726
6.305.2.4 wakeup 1726
6.306 activemq::core::policies::DefaultPrefetchPolicy Class Reference . . . 1726
6.306.1 Constructor & Destructor Documentation 1727
6.306.1.1 DefaultPrefetchPolicy 1727
6.306.1.2 ∼DefaultPrefetchPolicy 1727
6.306.2 Member Function Documentation 1727
6.306.2.1 clone 1727
6.306.2.2 getDurableTopicPrefetch 1728
6.306.2.3 getMaxPrefetchLimit 1728
6.306.2.4 getQueueBrowserPrefetch 1728
6.306.2.5 getQueuePrefetch 1728
6.306.2.6 getTopicPrefetch 1729
6.306.2.7 setDurableTopicPrefetch 1729
6.306.2.8 setQueueBrowserPrefetch 1729
6.306.2.9 setQueuePrefetch 1729
6.306.2.10 setTopicPrefetch 1730
6.306.3 Field Documentation 1730
6.306.3.1 DEFAULT_DURABLE_TOPIC_PREFETCH . . . 1730
6.306.3.2 DEFAULT_QUEUE_BROWSER_PREFETCH . . 1730
6.306.3.3 DEFAULT_QUEUE_PREFETCH 1730
6.306.3.4 DEFAULT_TOPIC_PREFETCH 1730
6.306.3.5 MAX_PREFETCH_SIZE 1730
6.307 activemq::core::policies::DefaultRedeliveryPolicy Class Reference . . 1730
6.307.1 Constructor & Destructor Documentation 1731
6.307.1.1 DefaultRedeliveryPolicy 1731
6.307.1.2 ∼DefaultRedeliveryPolicy 1731
6.307.2 Member Function Documentation 1731
6.307.2.1 clone 1731
6.307.2.2 getBackOffMultiplier 1732
6.307.2.3 getCollisionAvoidancePercent 1732
6.307.2.4 getInitialRedeliveryDelay 1732

6.307.2.5 getMaximumRedeliveries 1732
6.307.2.6 getRedeliveryDelay 1732
6.307.2.7 isUseCollisionAvoidance 1733
6.307.2.8 isUseExponentialBackOff 1733
6.307.2.9 setBackOffMultiplier 1733
6.307.2.10 setCollisionAvoidancePercent 1733
6.307.2.11 setInitialRedeliveryDelay 1734
6.307.2.12 setMaximumRedeliveries 1734
6.307.2.13 setUseCollisionAvoidance 1734
6.307.2.14 setUseExponentialBackOff 1734
6.308 decaf::internal::net::DefaultServerSocketFactory Class Reference . . . 1735
6.308.1 Detailed Description 1736
6.308.2 Constructor & Destructor Documentation 1736
6.308.2.1 DefaultServerSocketFactory 1736
6.308.2.2 ~DefaultServerSocketFactory 1736
6.308.3 Member Function Documentation 1736
6.308.3.1 createServerSocket 1736
6.308.3.2 createServerSocket 1737
6.308.3.3 createServerSocket 1737
6.308.3.4 createServerSocket 1738
6.309 decaf::internal::net::DefaultSocketFactory Class Reference 1738
6.309.1 Detailed Description 1740
6.309.2 Constructor & Destructor Documentation 1741
6.309.2.1 DefaultSocketFactory 1741
6.309.2.2 ~DefaultSocketFactory 1741
6.309.3 Member Function Documentation 1741
6.309.3.1 createSocket 1741
6.309.3.2 createSocket 1741
6.309.3.3 createSocket 1742
6.309.3.4 createSocket 1742
6.309.3.5 createSocket 1743
6.310 decaf::internal::net::ssl::DefaultSSLContext Class Reference 1743
6.310.1 Detailed Description 1744
6.310.2 Constructor & Destructor Documentation 1744
6.310.2.1 DefaultSSLContext 1744
6.310.2.2 ~DefaultSSLContext 1744
6.310.3 Member Function Documentation 1744
6.310.3.1 getContext 1744
6.311 decaf::internal::net::ssl::DefaultSSLServerSocketFactory Class Reference 1744
6.311.1 Detailed Description 1746
6.311.2 Constructor & Destructor Documentation 1747
6.311.2.1 DefaultSSLServerSocketFactory 1747
6.311.2.2 ~DefaultSSLServerSocketFactory 1747
6.311.3 Member Function Documentation 1747
6.311.3.1 createServerSocket 1747
6.311.3.2 createServerSocket 1747
6.311.3.3 createServerSocket 1748
6.311.3.4 createServerSocket 1748
6.311.3.5 getDefaultCipherSuites 1749

6.311.3.6 getSupportedCipherSuites 1749
6.312 decaf::internal::net::ssl::DefaultSSLSocketFactory Class Reference . . 1749
6.312.1 Detailed Description 1753
6.312.2 Constructor & Destructor Documentation 1753
6.312.2.1 DefaultSSLSocketFactory 1753
6.312.2.2 ~DefaultSSLSocketFactory 1753
6.312.3 Member Function Documentation 1753
6.312.3.1 createSocket 1753
6.312.3.2 createSocket 1753
6.312.3.3 createSocket 1754
6.312.3.4 createSocket 1755
6.312.3.5 createSocket 1755
6.312.3.6 createSocket 1756
6.312.3.7 getDefaultCipherSuites 1756
6.312.3.8 getSupportedCipherSuites 1757
6.313 activemq::transport::DefaultTransportListener Class Reference 1757
6.313.1 Constructor & Destructor Documentation 1758
6.313.1.1 ~DefaultTransportListener 1758
6.313.2 Member Function Documentation 1758
6.313.2.1 onCommand 1758
6.313.2.2 onException 1758
6.313.2.3 transportInterrupted 1758
6.313.2.4 transportResumed 1758
6.314 decaf::util::zip::Deflater Class Reference 1759
6.314.1 Detailed Description 1761
6.314.2 Constructor & Destructor Documentation 1761
6.314.2.1 Deflater 1761
6.314.2.2 Deflater 1762
6.314.2.3 ~Deflater 1762
6.314.3 Member Function Documentation 1762
6.314.3.1 deflate 1762
6.314.3.2 deflate 1762
6.314.3.3 deflate 1763
6.314.3.4 end 1763
6.314.3.5 finish 1763
6.314.3.6 finished 1764
6.314.3.7 getAdler 1764
6.314.3.8 getBytesRead 1764
6.314.3.9 getBytesWritten 1764
6.314.3.10 needsInput 1764
6.314.3.11 reset 1765
6.314.3.12 setDictionary 1765
6.314.3.13 setDictionary 1765
6.314.3.14 setDictionary 1766
6.314.3.15 setInput 1766
6.314.3.16 setInput 1767
6.314.3.17 setInput 1767
6.314.3.18 setLevel 1768
6.314.3.19 setStrategy 1768
6.314.4 Field Documentation 1768

6.314.4.1 BEST_COMPRESSION 1768
6.314.4.2 BEST_SPEED 1768
6.314.4.3 DEFAULT_COMPRESSION 1768
6.314.4.4 DEFAULT_STRATEGY 1769
6.314.4.5 DEFLATED 1769
6.314.4.6 FILTERED 1769
6.314.4.7 HUFFMAN_ONLY 1769
6.314.4.8 NO_COMPRESSION 1769
6.315 decaf::util::zip::DeflaterOutputStream Class Reference 1769
6.315.1 Detailed Description 1771
6.315.2 Constructor & Destructor Documentation 1771
6.315.2.1 DeflaterOutputStream 1771
6.315.2.2 DeflaterOutputStream 1771
6.315.2.3 DeflaterOutputStream 1772
6.315.2.4 ∼DeflaterOutputStream 1772
6.315.3 Member Function Documentation 1772
6.315.3.1 close 1772
6.315.3.2 deflate 1773
6.315.3.3 doWriteArrayBounded 1773
6.315.3.4 doWriteByte 1773
6.315.3.5 finish 1773
6.315.4 Field Documentation 1773
6.315.4.1 buf 1773
6.315.4.2 DEFAULT_BUFFER_SIZE 1774
6.315.4.3 deflater 1774
6.315.4.4 isDone 1774
6.315.4.5 ownDeflater 1774
6.316 decaf::util::concurrent::Delayed Class Reference 1774
6.316.1 Detailed Description 1774
6.316.2 Constructor & Destructor Documentation 1775
6.316.2.1 ∼Delayed 1775
6.316.3 Member Function Documentation 1775
6.316.3.1 getDelay 1775
6.317 cms::DeliveryMode Class Reference 1775
6.317.1 Detailed Description 1775
6.317.2 Member Enumeration Documentation 1776
6.317.2.1 DELIVERY_MODE 1776
6.317.3 Constructor & Destructor Documentation 1776
6.317.3.1 ∼DeliveryMode 1776
6.318 cms::Destination Class Reference 1776
6.318.1 Detailed Description 1777
6.318.2 Member Enumeration Documentation 1777
6.318.2.1 DestinationType 1777
6.318.3 Constructor & Destructor Documentation 1778
6.318.3.1 ∼Destination 1778
6.318.4 Member Function Documentation 1778
6.318.4.1 clone 1778
6.318.4.2 copy 1778
6.318.4.3 getCMSProperties 1778
6.318.4.4 getDestinationType 1779

6.319 activemq::commands::ActiveMQDestination::DestinationFilter Struct Reference . . . 1779
6.319.1 Field Documentation . . . 1779
6.319.1.1 ANY_CHILD . . . 1779
6.319.1.2 ANY_DESCENDENT . . . 1779
6.320 activemq::commands::DestinationInfo Class Reference . . . 1779
6.320.1 Constructor & Destructor Documentation . . . 1781
6.320.1.1 DestinationInfo . . . 1781
6.320.1.2 ~DestinationInfo . . . 1781
6.320.2 Member Function Documentation . . . 1781
6.320.2.1 cloneDataStructure . . . 1781
6.320.2.2 copyDataStructure . . . 1781
6.320.2.3 equals . . . 1781
6.320.2.4 getBrokerPath . . . 1782
6.320.2.5 getBrokerPath . . . 1782
6.320.2.6 getConnectionId . . . 1782
6.320.2.7 getConnectionId . . . 1782
6.320.2.8 getDataStructureType . . . 1782
6.320.2.9 getDestination . . . 1783
6.320.2.10 getDestination . . . 1783
6.320.2.11 getOperationType . . . 1783
6.320.2.12 getTimeout . . . 1783
6.320.2.13 setBrokerPath . . . 1783
6.320.2.14 setConnectionId . . . 1783
6.320.2.15 setDestination . . . 1783
6.320.2.16 setOperationType . . . 1783
6.320.2.17 setTimeout . . . 1783
6.320.2.18 toString . . . 1783
6.320.2.19 visit . . . 1783
6.320.3 Field Documentation . . . 1784
6.320.3.1 brokerPath . . . 1784
6.320.3.2 connectionId . . . 1784
6.320.3.3 destination . . . 1784
6.320.3.4 ID_DESTINATIONINFO . . . 1784
6.320.3.5 operationType . . . 1784
6.320.3.6 timeout . . . 1784
6.321 activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller Class Reference . . . 1784
6.321.1 Detailed Description . . . 1785
6.321.2 Constructor & Destructor Documentation . . . 1786
6.321.2.1 DestinationInfoMarshaller . . . 1786
6.321.2.2 ~DestinationInfoMarshaller . . . 1786
6.321.3 Member Function Documentation . . . 1786
6.321.3.1 createObject . . . 1786
6.321.3.2 getDataStructureType . . . 1786
6.321.3.3 looseMarshal . . . 1786
6.321.3.4 looseUnmarshal . . . 1787
6.321.3.5 tightMarshal1 . . . 1787
6.321.3.6 tightMarshal2 . . . 1788
6.321.3.7 tightUnmarshal . . . 1788

6.322 activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller Class Reference . . . 1789
6.322.1 Detailed Description . . . 1790
6.322.2 Constructor & Destructor Documentation . . . 1790
6.322.2.1 DestinationInfoMarshaller . . . 1790
6.322.2.2 ~DestinationInfoMarshaller . . . 1790
6.322.3 Member Function Documentation . . . 1790
6.322.3.1 createObject . . . 1790
6.322.3.2 getDataStructureType . . . 1790
6.322.3.3 looseMarshal . . . 1790
6.322.3.4 looseUnmarshal . . . 1791
6.322.3.5 tightMarshal1 . . . 1791
6.322.3.6 tightMarshal2 . . . 1792
6.322.3.7 tightUnmarshal . . . 1792
6.323 activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller Class Reference . . . 1793
6.323.1 Detailed Description . . . 1794
6.323.2 Constructor & Destructor Documentation . . . 1794
6.323.2.1 DestinationInfoMarshaller . . . 1794
6.323.2.2 ~DestinationInfoMarshaller . . . 1794
6.323.3 Member Function Documentation . . . 1794
6.323.3.1 createObject . . . 1794
6.323.3.2 getDataStructureType . . . 1794
6.323.3.3 looseMarshal . . . 1795
6.323.3.4 looseUnmarshal . . . 1795
6.323.3.5 tightMarshal1 . . . 1796
6.323.3.6 tightMarshal2 . . . 1796
6.323.3.7 tightUnmarshal . . . 1797
6.324 activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller Class Reference . . . 1797
6.324.1 Detailed Description . . . 1798
6.324.2 Constructor & Destructor Documentation . . . 1798
6.324.2.1 DestinationInfoMarshaller . . . 1798
6.324.2.2 ~DestinationInfoMarshaller . . . 1798
6.324.3 Member Function Documentation . . . 1798
6.324.3.1 createObject . . . 1798
6.324.3.2 getDataStructureType . . . 1799
6.324.3.3 looseMarshal . . . 1799
6.324.3.4 looseUnmarshal . . . 1799
6.324.3.5 tightMarshal1 . . . 1800
6.324.3.6 tightMarshal2 . . . 1800
6.324.3.7 tightUnmarshal . . . 1801
6.325 activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller Class Reference . . . 1801
6.325.1 Detailed Description . . . 1802
6.325.2 Constructor & Destructor Documentation . . . 1803
6.325.2.1 DestinationInfoMarshaller . . . 1803
6.325.2.2 ~DestinationInfoMarshaller . . . 1803
6.325.3 Member Function Documentation . . . 1803
6.325.3.1 createObject . . . 1803

6.325.3.2 getDataStructureType 1803
6.325.3.3 looseMarshal 1803
6.325.3.4 looseUnmarshal 1804
6.325.3.5 tightMarshal1 1804
6.325.3.6 tightMarshal2 1805
6.325.3.7 tightUnmarshal 1805
6.326 activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller Class Reference 1806
6.326.1 Detailed Description 1807
6.326.2 Constructor & Destructor Documentation 1807
6.326.2.1 DestinationInfoMarshaller 1807
6.326.2.2 ∼DestinationInfoMarshaller 1807
6.326.3 Member Function Documentation 1807
6.326.3.1 createObject 1807
6.326.3.2 getDataStructureType 1807
6.326.3.3 looseMarshal 1807
6.326.3.4 looseUnmarshal 1808
6.326.3.5 tightMarshal1 1808
6.326.3.6 tightMarshal2 1809
6.326.3.7 tightUnmarshal 1809
6.327 activemq::cmsutil::DestinationResolver Class Reference 1810
6.327.1 Detailed Description 1810
6.327.2 Constructor & Destructor Documentation 1811
6.327.2.1 ∼DestinationResolver 1811
6.327.3 Member Function Documentation 1811
6.327.3.1 destroy 1811
6.327.3.2 init 1811
6.327.3.3 resolveDestinationName 1811
6.328 activemq::commands::DiscoveryEvent Class Reference 1812
6.328.1 Constructor & Destructor Documentation 1813
6.328.1.1 DiscoveryEvent 1813
6.328.1.2 ∼DiscoveryEvent 1813
6.328.2 Member Function Documentation 1813
6.328.2.1 cloneDataStructure 1813
6.328.2.2 copyDataStructure 1813
6.328.2.3 equals 1813
6.328.2.4 getBrokerName 1814
6.328.2.5 getBrokerName 1814
6.328.2.6 getDataStructureType 1814
6.328.2.7 getServiceName 1814
6.328.2.8 getServiceName 1814
6.328.2.9 setBrokerName 1814
6.328.2.10 setServiceName 1814
6.328.2.11 toString 1814
6.328.3 Field Documentation 1815
6.328.3.1 brokerName 1815
6.328.3.2 ID_DISCOVERYEVENT 1815
6.328.3.3 serviceName 1815
6.329 activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller Class Reference 1815

6.329.1 Detailed Description 1816
6.329.2 Constructor & Destructor Documentation 1816
6.329.2.1 DiscoveryEventMarshaller 1816
6.329.2.2 ∼DiscoveryEventMarshaller 1816
6.329.3 Member Function Documentation 1816
6.329.3.1 createObject 1816
6.329.3.2 getDataStructureType 1816
6.329.3.3 looseMarshal 1817
6.329.3.4 looseUnmarshal 1817
6.329.3.5 tightMarshal1 1818
6.329.3.6 tightMarshal2 1818
6.329.3.7 tightUnmarshal 1819
6.330 activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller Class Reference 1819
6.330.1 Detailed Description 1820
6.330.2 Constructor & Destructor Documentation 1820
6.330.2.1 DiscoveryEventMarshaller 1820
6.330.2.2 ∼DiscoveryEventMarshaller 1820
6.330.3 Member Function Documentation 1820
6.330.3.1 createObject 1820
6.330.3.2 getDataStructureType 1821
6.330.3.3 looseMarshal 1821
6.330.3.4 looseUnmarshal 1821
6.330.3.5 tightMarshal1 1822
6.330.3.6 tightMarshal2 1822
6.330.3.7 tightUnmarshal 1823
6.331 activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller Class Reference 1823
6.331.1 Detailed Description 1824
6.331.2 Constructor & Destructor Documentation 1824
6.331.2.1 DiscoveryEventMarshaller 1824
6.331.2.2 ∼DiscoveryEventMarshaller 1824
6.331.3 Member Function Documentation 1824
6.331.3.1 createObject 1824
6.331.3.2 getDataStructureType 1825
6.331.3.3 looseMarshal 1825
6.331.3.4 looseUnmarshal 1825
6.331.3.5 tightMarshal1 1826
6.331.3.6 tightMarshal2 1826
6.331.3.7 tightUnmarshal 1827
6.332 activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller Class Reference 1827
6.332.1 Detailed Description 1828
6.332.2 Constructor & Destructor Documentation 1828
6.332.2.1 DiscoveryEventMarshaller 1828
6.332.2.2 ∼DiscoveryEventMarshaller 1828
6.332.3 Member Function Documentation 1828
6.332.3.1 createObject 1828
6.332.3.2 getDataStructureType 1829
6.332.3.3 looseMarshal 1829

6.332.3.4 looseUnmarshal 1829
6.332.3.5 tightMarshal1 1830
6.332.3.6 tightMarshal2 1830
6.332.3.7 tightUnmarshal 1831
6.333 activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller Class Reference 1831
6.333.1 Detailed Description 1832
6.333.2 Constructor & Destructor Documentation 1832
6.333.2.1 DiscoveryEventMarshaller 1832
6.333.2.2 ∼DiscoveryEventMarshaller 1832
6.333.3 Member Function Documentation 1832
6.333.3.1 createObject 1832
6.333.3.2 getDataStructureType 1833
6.333.3.3 looseMarshal 1833
6.333.3.4 looseUnmarshal 1833
6.333.3.5 tightMarshal1 1834
6.333.3.6 tightMarshal2 1834
6.333.3.7 tightUnmarshal 1835
6.334 activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller Class Reference 1835
6.334.1 Detailed Description 1836
6.334.2 Constructor & Destructor Documentation 1836
6.334.2.1 DiscoveryEventMarshaller 1836
6.334.2.2 ∼DiscoveryEventMarshaller 1836
6.334.3 Member Function Documentation 1836
6.334.3.1 createObject 1836
6.334.3.2 getDataStructureType 1837
6.334.3.3 looseMarshal 1837
6.334.3.4 looseUnmarshal 1837
6.334.3.5 tightMarshal1 1838
6.334.3.6 tightMarshal2 1838
6.334.3.7 tightUnmarshal 1839
6.335 activemq::core::DispatchData Class Reference 1839
6.335.1 Detailed Description 1839
6.335.2 Constructor & Destructor Documentation 1840
6.335.2.1 DispatchData 1840
6.335.2.2 DispatchData 1840
6.335.3 Member Function Documentation 1840
6.335.3.1 getConsumerId 1840
6.335.3.2 getMessage 1840
6.336 activemq::core::Dispatcher Class Reference 1840
6.336.1 Detailed Description 1840
6.336.2 Constructor & Destructor Documentation 1841
6.336.2.1 ∼Dispatcher 1841
6.336.3 Member Function Documentation 1841
6.336.3.1 dispatch 1841
6.337 decaf::lang::Double Class Reference 1841
6.337.1 Constructor & Destructor Documentation 1844
6.337.1.1 Double 1844
6.337.1.2 Double 1844

6.337.1.3 ∼Double 1844
6.337.2 Member Function Documentation 1844
6.337.2.1 byteValue 1844
6.337.2.2 compare 1844
6.337.2.3 compareTo 1845
6.337.2.4 compareTo 1845
6.337.2.5 doubleToLongBits 1845
6.337.2.6 doubleToRawLongBits 1846
6.337.2.7 doubleValue 1846
6.337.2.8 equals 1847
6.337.2.9 equals 1847
6.337.2.10 floatValue 1847
6.337.2.11 intValue 1847
6.337.2.12 isInfinite 1847
6.337.2.13 isInfinite 1848
6.337.2.14 isNaN 1848
6.337.2.15 isNaN 1848
6.337.2.16 longBitsToDouble 1848
6.337.2.17 longValue 1849
6.337.2.18 operator< 1849
6.337.2.19 operator< 1849
6.337.2.20 operator== 1849
6.337.2.21 operator== 1850
6.337.2.22 parseDouble 1850
6.337.2.23 shortValue 1850
6.337.2.24 toHexString 1851
6.337.2.25 toString 1851
6.337.2.26 toString 1851
6.337.2.27 valueOf 1852
6.337.2.28 valueOf 1852
6.337.3 Field Documentation 1853
6.337.3.1 MAX_VALUE 1853
6.337.3.2 MIN_VALUE 1853
6.337.3.3 NaN 1853
6.337.3.4 NEGATIVE_INFINITY 1853
6.337.3.5 POSITIVE_INFINITY 1853
6.337.3.6 SIZE 1853
6.338 decaf::internal::nio::DoubleArrayBuffer Class Reference 1853
6.338.1 Constructor & Destructor Documentation 1858
6.338.1.1 DoubleArrayBuffer 1858
6.338.1.2 DoubleArrayBuffer 1858
6.338.1.3 DoubleArrayBuffer 1859
6.338.1.4 DoubleArrayBuffer 1859
6.338.1.5 ∼DoubleArrayBuffer 1859
6.338.2 Member Function Documentation 1859
6.338.2.1 array 1859
6.338.2.2 arrayOffset 1860
6.338.2.3 asReadOnlyBuffer 1860
6.338.2.4 compact 1861
6.338.2.5 duplicate 1861

6.338.2.6 get 1862
6.338.2.7 get 1862
6.338.2.8 hasArray 1863
6.338.2.9 isReadOnly 1863
6.338.2.10 put 1863
6.338.2.11 put 1864
6.338.2.12 setReadOnly 1864
6.338.2.13 slice 1864
6.339 decaf::nio::DoubleBuffer Class Reference 1865
6.339.1 Detailed Description 1867
6.339.2 Constructor & Destructor Documentation 1868
6.339.2.1 DoubleBuffer 1868
6.339.2.2 ~DoubleBuffer 1868
6.339.3 Member Function Documentation 1868
6.339.3.1 allocate 1868
6.339.3.2 array 1868
6.339.3.3 arrayOffset 1869
6.339.3.4 asReadOnlyBuffer 1869
6.339.3.5 compact 1870
6.339.3.6 compareTo 1870
6.339.3.7 duplicate 1870
6.339.3.8 equals 1871
6.339.3.9 get 1871
6.339.3.10 get 1871
6.339.3.11 get 1872
6.339.3.12 get 1872
6.339.3.13 hasArray 1873
6.339.3.14 operator< 1873
6.339.3.15 operator== 1873
6.339.3.16 put 1873
6.339.3.17 put 1874
6.339.3.18 put 1874
6.339.3.19 put 1875
6.339.3.20 put 1876
6.339.3.21 slice 1876
6.339.3.22 toString 1877
6.339.3.23 wrap 1877
6.339.3.24 wrap 1877
6.340 decaf::lang::DYNAMIC_CAST_TOKEN Struct Reference 1878
6.341 activemq::cmsutil::DynamicDestinationResolver Class Reference . . 1878
6.341.1 Detailed Description 1879
6.341.2 Constructor & Destructor Documentation 1879
6.341.2.1 DynamicDestinationResolver 1879
6.341.2.2 DynamicDestinationResolver 1879
6.341.2.3 ~DynamicDestinationResolver 1879
6.341.3 Member Function Documentation 1879
6.341.3.1 destroy 1879
6.341.3.2 init 1879
6.341.3.3 operator= 1880
6.341.3.4 resolveDestinationName 1880

6.342 decaf::util::Map< K, V, COMPARATOR >::Entry Class Reference . 1880
6.342.1 Constructor & Destructor Documentation 1881
6.342.1.1 Entry 1881
6.342.1.2 ∼Entry 1881
6.342.2 Member Function Documentation 1881
6.342.2.1 getKey 1881
6.342.2.2 getValue 1881
6.342.2.3 setValue 1881
6.343 decaf::io::EOFException Class Reference 1881
6.343.1 Constructor & Destructor Documentation 1882
6.343.1.1 EOFException 1882
6.343.1.2 EOFException 1882
6.343.1.3 EOFException 1882
6.343.1.4 EOFException 1883
6.343.1.5 EOFException 1883
6.343.1.6 EOFException 1883
6.343.1.7 ∼EOFException 1883
6.343.2 Member Function Documentation 1883
6.343.2.1 clone 1883
6.344 decaf::util::logging::ErrorManager Class Reference 1884
6.344.1 Detailed Description 1885
6.344.2 Constructor & Destructor Documentation 1885
6.344.2.1 ErrorManager 1885
6.344.2.2 ∼ErrorManager 1885
6.344.3 Member Function Documentation 1885
6.344.3.1 error 1885
6.344.4 Field Documentation 1885
6.344.4.1 CLOSE_FAILURE 1885
6.344.4.2 FLUSH_FAILURE 1886
6.344.4.3 FORMAT_FAILURE 1886
6.344.4.4 GENERIC_FAILURE 1886
6.344.4.5 OPEN_FAILURE 1886
6.344.4.6 WRITE_FAILURE 1886
6.345 decaf::lang::Exception Class Reference 1886
6.345.1 Constructor & Destructor Documentation 1888
6.345.1.1 Exception 1888
6.345.1.2 Exception 1888
6.345.1.3 Exception 1888
6.345.1.4 Exception 1889
6.345.1.5 Exception 1889
6.345.1.6 ∼Exception 1889
6.345.2 Member Function Documentation 1889
6.345.2.1 buildMessage 1889
6.345.2.2 clone 1889
6.345.2.3 getCause 1890
6.345.2.4 getMessage 1891
6.345.2.5 getStackTrace 1891
6.345.2.6 getStackTraceString 1891
6.345.2.7 initCause 1891
6.345.2.8 operator= 1892

6.345.2.9 printStackTrace 1892
6.345.2.10 printStackTrace 1892
6.345.2.11 setMark 1892
6.345.2.12 setMessage 1892
6.345.2.13 setStackTrace 1893
6.345.2.14 what 1893
6.345.3 Field Documentation 1893
6.345.3.1 cause 1893
6.345.3.2 message 1893
6.345.3.3 stackTrace 1893
6.346 cms::ExceptionListener Class Reference 1893
6.346.1 Detailed Description 1894
6.346.2 Constructor & Destructor Documentation 1894
6.346.2.1 ∼ExceptionListener 1894
6.346.3 Member Function Documentation 1894
6.346.3.1 onException 1894
6.347 activemq::commands::ExceptionResponse Class Reference 1894
6.347.1 Constructor & Destructor Documentation 1896
6.347.1.1 ExceptionResponse 1896
6.347.1.2 ∼ExceptionResponse 1896
6.347.2 Member Function Documentation 1896
6.347.2.1 cloneDataStructure 1896
6.347.2.2 copyDataStructure 1896
6.347.2.3 equals 1896
6.347.2.4 getDataStructureType 1897
6.347.2.5 getException 1897
6.347.2.6 getException 1897
6.347.2.7 setException 1897
6.347.2.8 toString 1897
6.347.3 Field Documentation 1897
6.347.3.1 exception 1897
6.347.3.2 ID_EXCEPTIONRESPONSE 1897
6.348 activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller Class Reference 1898
6.348.1 Detailed Description 1899
6.348.2 Constructor & Destructor Documentation 1899
6.348.2.1 ExceptionResponseMarshaller 1899
6.348.2.2 ∼ExceptionResponseMarshaller 1899
6.348.3 Member Function Documentation 1899
6.348.3.1 createObject 1899
6.348.3.2 getDataStructureType 1899
6.348.3.3 looseMarshal 1899
6.348.3.4 looseUnmarshal 1900
6.348.3.5 tightMarshal1 1900
6.348.3.6 tightMarshal2 1901
6.348.3.7 tightUnmarshal 1901
6.349 activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller Class Reference 1902
6.349.1 Detailed Description 1903
6.349.2 Constructor & Destructor Documentation 1903

6.349.2.1 ExceptionResponseMarshaller 1903
6.349.2.2 ∼ExceptionResponseMarshaller 1903
6.349.3 Member Function Documentation 1903
6.349.3.1 createObject 1903
6.349.3.2 getDataStructureType 1903
6.349.3.3 looseMarshal 1904
6.349.3.4 looseUnmarshal 1904
6.349.3.5 tightMarshal1 1905
6.349.3.6 tightMarshal2 1905
6.349.3.7 tightUnmarshal 1906
6.350 activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller Class Reference 1906
6.350.1 Detailed Description 1907
6.350.2 Constructor & Destructor Documentation 1907
6.350.2.1 ExceptionResponseMarshaller 1907
6.350.2.2 ∼ExceptionResponseMarshaller 1907
6.350.3 Member Function Documentation 1907
6.350.3.1 createObject 1907
6.350.3.2 getDataStructureType 1908
6.350.3.3 looseMarshal 1908
6.350.3.4 looseUnmarshal 1908
6.350.3.5 tightMarshal1 1909
6.350.3.6 tightMarshal2 1909
6.350.3.7 tightUnmarshal 1910
6.351 activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller Class Reference 1910
6.351.1 Detailed Description 1911
6.351.2 Constructor & Destructor Documentation 1912
6.351.2.1 ExceptionResponseMarshaller 1912
6.351.2.2 ∼ExceptionResponseMarshaller 1912
6.351.3 Member Function Documentation 1912
6.351.3.1 createObject 1912
6.351.3.2 getDataStructureType 1912
6.351.3.3 looseMarshal 1912
6.351.3.4 looseUnmarshal 1913
6.351.3.5 tightMarshal1 1913
6.351.3.6 tightMarshal2 1914
6.351.3.7 tightUnmarshal 1914
6.352 activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller Class Reference 1915
6.352.1 Detailed Description 1916
6.352.2 Constructor & Destructor Documentation 1916
6.352.2.1 ExceptionResponseMarshaller 1916
6.352.2.2 ∼ExceptionResponseMarshaller 1916
6.352.3 Member Function Documentation 1916
6.352.3.1 createObject 1916
6.352.3.2 getDataStructureType 1916
6.352.3.3 looseMarshal 1917
6.352.3.4 looseUnmarshal 1917
6.352.3.5 tightMarshal1 1917

6.352.3.6 tightMarshal2 1918
6.352.3.7 tightUnmarshal 1918
6.353 activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller Class Reference 1919
6.353.1 Detailed Description 1920
6.353.2 Constructor & Destructor Documentation 1920
6.353.2.1 ExceptionResponseMarshaller 1920
6.353.2.2 ∼ExceptionResponseMarshaller 1920
6.353.3 Member Function Documentation 1920
6.353.3.1 createObject 1920
6.353.3.2 getDataStructureType 1921
6.353.3.3 looseMarshal 1921
6.353.3.4 looseUnmarshal 1921
6.353.3.5 tightMarshal1 1922
6.353.3.6 tightMarshal2 1922
6.353.3.7 tightUnmarshal 1923
6.354 decaf::util::concurrent::ExecutionException Class Reference 1923
6.354.1 Constructor & Destructor Documentation 1924
6.354.1.1 ExecutionException 1924
6.354.1.2 ExecutionException 1924
6.354.1.3 ExecutionException 1924
6.354.1.4 ExecutionException 1925
6.354.1.5 ExecutionException 1925
6.354.1.6 ExecutionException 1925
6.354.1.7 ∼ExecutionException 1926
6.354.2 Member Function Documentation 1926
6.354.2.1 clone 1926
6.355 decaf::util::concurrent::Executor Class Reference 1926
6.355.1 Detailed Description 1926
6.355.2 Constructor & Destructor Documentation 1928
6.355.2.1 ∼Executor 1928
6.355.3 Member Function Documentation 1928
6.355.3.1 execute 1928
6.356 decaf::util::concurrent::ExecutorService Class Reference 1928
6.356.1 Detailed Description 1929
6.356.2 Constructor & Destructor Documentation 1929
6.356.2.1 ∼ExecutorService 1929
6.356.3 Member Function Documentation 1929
6.356.3.1 awaitTermination 1929
6.357 activemq::transport::failover::FailoverTransport Class Reference . . . 1930
6.357.1 Constructor & Destructor Documentation 1933
6.357.1.1 FailoverTransport 1933
6.357.1.2 ∼FailoverTransport 1933
6.357.2 Member Function Documentation 1933
6.357.2.1 add 1933
6.357.2.2 addURI 1933
6.357.2.3 close 1934
6.357.2.4 getBackOffMultiplier 1934
6.357.2.5 getBackupPoolSize 1934
6.357.2.6 getInitialReconnectDelay 1934

6.357.2.7 getMaxCacheSize 1934
6.357.2.8 getMaxReconnectAttempts 1934
6.357.2.9 getMaxReconnectDelay 1934
6.357.2.10 getReconnectDelay 1934
6.357.2.11 getRemoteAddress 1934
6.357.2.12 getStartupMaxReconnectAttempts 1935
6.357.2.13 getTimeout 1935
6.357.2.14 getTransportListener 1935
6.357.2.15 handleTransportFailure 1935
6.357.2.16 isBackup 1935
6.357.2.17 isClosed 1935
6.357.2.18 isConnected 1936
6.357.2.19 isFaultTolerant 1936
6.357.2.20 isInitialized 1936
6.357.2.21 isPending 1936
6.357.2.22 isRandomize 1937
6.357.2.23 isTrackMessages 1937
6.357.2.24 isTrackTransactionProducers 1937
6.357.2.25 isUseExponentialBackOff 1937
6.357.2.26 iterate 1937
6.357.2.27 narrow 1937
6.357.2.28 oneway 1937
6.357.2.29 reconnect 1938
6.357.2.30 reconnect 1938
6.357.2.31 removeURI 1938
6.357.2.32 request 1939
6.357.2.33 request 1939
6.357.2.34 restoreTransport 1940
6.357.2.35 setBackOffMultiplier 1940
6.357.2.36 setBackup 1940
6.357.2.37 setBackupPoolSize 1940
6.357.2.38 setConnectionInterruptProcessingComplete 1940
6.357.2.39 setInitialized 1940
6.357.2.40 setInitialReconnectDelay 1941
6.357.2.41 setMaxCacheSize 1941
6.357.2.42 setMaxReconnectAttempts 1941
6.357.2.43 setMaxReconnectDelay 1941
6.357.2.44 setRandomize 1941
6.357.2.45 setReconnectDelay 1941
6.357.2.46 setStartupMaxReconnectAttempts 1941
6.357.2.47 setTimeout 1941
6.357.2.48 setTrackMessages 1941
6.357.2.49 setTrackTransactionProducers 1941
6.357.2.50 setTransportListener 1941
6.357.2.51 setUseExponentialBackOff 1941
6.357.2.52 setWireFormat 1941
6.357.2.53 start 1942
6.357.2.54 stop 1942
6.357.3 Friends And Related Function Documentation 1942
6.357.3.1 FailoverTransportListener 1942

6.358 activemq::transport::failover::FailoverTransportFactory Class Reference 1942
6.358.1 Detailed Description 1943
6.358.2 Constructor & Destructor Documentation 1944
6.358.2.1 ∼FailoverTransportFactory 1944
6.358.3 Member Function Documentation 1944
6.358.3.1 create 1944
6.358.3.2 createComposite 1944
6.358.3.3 doCreateComposite 1945
6.359 activemq::transport::failover::FailoverTransportListener Class Reference 1945
6.359.1 Detailed Description 1946
6.359.2 Constructor & Destructor Documentation 1946
6.359.2.1 FailoverTransportListener 1946
6.359.2.2 ∼FailoverTransportListener 1946
6.359.3 Member Function Documentation 1946
6.359.3.1 onCommand 1946
6.359.3.2 onException 1946
6.359.3.3 transportInterrupted 1947
6.359.3.4 transportResumed 1947
6.360 decaf::io::FileDescriptor Class Reference 1947
6.360.1 Detailed Description 1948
6.360.2 Constructor & Destructor Documentation 1948
6.360.2.1 FileDescriptor 1948
6.360.2.2 FileDescriptor 1948
6.360.2.3 ∼FileDescriptor 1948
6.360.3 Member Function Documentation 1948
6.360.3.1 sync 1948
6.360.3.2 valid 1949
6.360.4 Field Documentation 1949
6.360.4.1 descriptor 1949
6.360.4.2 err 1949
6.360.4.3 in 1949
6.360.4.4 out 1949
6.360.4.5 readonly 1949
6.361 decaf::util::logging::Filter Class Reference 1949
6.361.1 Detailed Description 1950
6.361.2 Constructor & Destructor Documentation 1950
6.361.2.1 ∼Filter 1950
6.361.3 Member Function Documentation 1950
6.361.3.1 isLoggable 1950
6.362 decaf::io::FilterInputStream Class Reference 1950
6.362.1 Detailed Description 1953
6.362.2 Constructor & Destructor Documentation 1953
6.362.2.1 FilterInputStream 1953
6.362.2.2 ∼FilterInputStream 1953
6.362.3 Member Function Documentation 1953
6.362.3.1 available 1953
6.362.3.2 close 1954
6.362.3.3 doReadArray 1954
6.362.3.4 doReadArrayBounded 1954
6.362.3.5 doReadByte 1954

6.362.3.6 isClosed 1955
6.362.3.7 mark 1955
6.362.3.8 markSupported 1955
6.362.3.9 reset 1956
6.362.3.10 skip 1956
6.362.4 Field Documentation 1957
6.362.4.1 closed 1957
6.362.4.2 inputStream 1957
6.362.4.3 own 1957
6.363 decaf::io::FilterOutputStream Class Reference 1957
6.363.1 Detailed Description 1958
6.363.2 Constructor & Destructor Documentation 1959
6.363.2.1 FilterOutputStream 1959
6.363.2.2 ∼FilterOutputStream 1959
6.363.3 Member Function Documentation 1959
6.363.3.1 close 1959
6.363.3.2 doWriteArray 1960
6.363.3.3 doWriteArrayBounded 1960
6.363.3.4 doWriteByte 1960
6.363.3.5 flush 1960
6.363.3.6 isClosed 1961
6.363.3.7 toString 1961
6.363.4 Field Documentation 1961
6.363.4.1 closed 1961
6.363.4.2 outputStream 1961
6.363.4.3 own 1961
6.364 decaf::lang::Float Class Reference 1961
6.364.1 Constructor & Destructor Documentation 1964
6.364.1.1 Float 1964
6.364.1.2 Float 1964
6.364.1.3 Float 1964
6.364.1.4 ∼Float 1964
6.364.2 Member Function Documentation 1964
6.364.2.1 byteValue 1964
6.364.2.2 compare 1965
6.364.2.3 compareTo 1965
6.364.2.4 compareTo 1965
6.364.2.5 doubleValue 1966
6.364.2.6 equals 1966
6.364.2.7 equals 1966
6.364.2.8 floatToIntBits 1966
6.364.2.9 floatToRawIntBits 1967
6.364.2.10 floatValue 1967
6.364.2.11 intBitsToFloat 1967
6.364.2.12 intValue 1968
6.364.2.13 isInfinite 1968
6.364.2.14 isInfinite 1968
6.364.2.15 isNaN 1968
6.364.2.16 isNaN 1969
6.364.2.17 longValue 1969

6.364.2.18 operator< 1969
6.364.2.19 operator< 1969
6.364.2.20 operator== 1970
6.364.2.21 operator== 1970
6.364.2.22 parseFloat 1970
6.364.2.23 shortValue 1971
6.364.2.24 toHexString 1971
6.364.2.25 toString 1972
6.364.2.26 toString 1972
6.364.2.27 valueOf 1972
6.364.2.28 valueOf 1973
6.364.3 Field Documentation 1973
6.364.3.1 MAX_VALUE 1973
6.364.3.2 MIN_VALUE 1973
6.364.3.3 NaN 1973
6.364.3.4 NEGATIVE_INFINITY 1973
6.364.3.5 POSITIVE_INFINITY 1973
6.364.3.6 SIZE 1973
6.365 decaf::internal::nio::FloatArrayBuffer Class Reference 1974
6.365.1 Constructor & Destructor Documentation 1978
6.365.1.1 FloatArrayBuffer 1978
6.365.1.2 FloatArrayBuffer 1978
6.365.1.3 FloatArrayBuffer 1979
6.365.1.4 FloatArrayBuffer 1979
6.365.1.5 ~FloatArrayBuffer 1980
6.365.2 Member Function Documentation 1980
6.365.2.1 array 1980
6.365.2.2 arrayOffset 1980
6.365.2.3 asReadOnlyBuffer 1981
6.365.2.4 compact 1981
6.365.2.5 duplicate 1982
6.365.2.6 get 1982
6.365.2.7 get 1982
6.365.2.8 hasArray 1983
6.365.2.9 isReadOnly 1983
6.365.2.10 put 1983
6.365.2.11 put 1984
6.365.2.12 setReadOnly 1984
6.365.2.13 slice 1985
6.366 decaf::nio::FloatBuffer Class Reference 1985
6.366.1 Detailed Description 1987
6.366.2 Constructor & Destructor Documentation 1988
6.366.2.1 FloatBuffer 1988
6.366.2.2 ~FloatBuffer 1988
6.366.3 Member Function Documentation 1988
6.366.3.1 allocate 1988
6.366.3.2 array 1989
6.366.3.3 arrayOffset 1989
6.366.3.4 asReadOnlyBuffer 1990
6.366.3.5 compact 1990

6.366.3.6 compareTo 1991
6.366.3.7 duplicate 1991
6.366.3.8 equals 1991
6.366.3.9 get 1991
6.366.3.10 get 1991
6.366.3.11 get 1992
6.366.3.12 get 1993
6.366.3.13 hasArray 1993
6.366.3.14 operator< 1993
6.366.3.15 operator== 1993
6.366.3.16 put 1993
6.366.3.17 put 1994
6.366.3.18 put 1994
6.366.3.19 put 1995
6.366.3.20 put 1996
6.366.3.21 slice 1996
6.366.3.22 toString 1997
6.366.3.23 wrap 1997
6.366.3.24 wrap 1997
6.367 decaf::io::Flushable Class Reference 1998
6.367.1 Detailed Description 1998
6.367.2 Constructor & Destructor Documentation 1998
6.367.2.1 ~Flushable 1998
6.367.3 Member Function Documentation 1998
6.367.3.1 flush 1998
6.368 activemq::commands::FlushCommand Class Reference 1999
6.368.1 Constructor & Destructor Documentation 2000
6.368.1.1 FlushCommand 2000
6.368.1.2 ~FlushCommand 2000
6.368.2 Member Function Documentation 2000
6.368.2.1 cloneDataStructure 2000
6.368.2.2 copyDataStructure 2000
6.368.2.3 equals 2000
6.368.2.4 getDataStructureType 2001
6.368.2.5 toString 2001
6.368.2.6 visit 2001
6.368.3 Field Documentation 2001
6.368.3.1 ID_FLUSHCOMMAND 2001
6.369 activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller Class Reference 2002
6.369.1 Detailed Description 2003
6.369.2 Constructor & Destructor Documentation 2003
6.369.2.1 FlushCommandMarshaller 2003
6.369.2.2 ~FlushCommandMarshaller 2003
6.369.3 Member Function Documentation 2003
6.369.3.1 createObject 2003
6.369.3.2 getDataStructureType 2003
6.369.3.3 looseMarshal 2003
6.369.3.4 looseUnmarshal 2004
6.369.3.5 tightMarshal1 2004

6.369.3.6 tightMarshal2 2005
6.369.3.7 tightUnmarshal 2005
6.370 activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller Class Reference 2006
6.370.1 Detailed Description 2007
6.370.2 Constructor & Destructor Documentation 2007
6.370.2.1 FlushCommandMarshaller 2007
6.370.2.2 ∼FlushCommandMarshaller 2007
6.370.3 Member Function Documentation 2007
6.370.3.1 createObject 2007
6.370.3.2 getDataStructureType 2007
6.370.3.3 looseMarshal 2008
6.370.3.4 looseUnmarshal 2008
6.370.3.5 tightMarshal1 2009
6.370.3.6 tightMarshal2 2009
6.370.3.7 tightUnmarshal 2010
6.371 activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller Class Reference 2010
6.371.1 Detailed Description 2011
6.371.2 Constructor & Destructor Documentation 2011
6.371.2.1 FlushCommandMarshaller 2011
6.371.2.2 ∼FlushCommandMarshaller 2011
6.371.3 Member Function Documentation 2011
6.371.3.1 createObject 2011
6.371.3.2 getDataStructureType 2012
6.371.3.3 looseMarshal 2012
6.371.3.4 looseUnmarshal 2012
6.371.3.5 tightMarshal1 2013
6.371.3.6 tightMarshal2 2013
6.371.3.7 tightUnmarshal 2014
6.372 activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller Class Reference 2014
6.372.1 Detailed Description 2015
6.372.2 Constructor & Destructor Documentation 2016
6.372.2.1 FlushCommandMarshaller 2016
6.372.2.2 ∼FlushCommandMarshaller 2016
6.372.3 Member Function Documentation 2016
6.372.3.1 createObject 2016
6.372.3.2 getDataStructureType 2016
6.372.3.3 looseMarshal 2016
6.372.3.4 looseUnmarshal 2017
6.372.3.5 tightMarshal1 2017
6.372.3.6 tightMarshal2 2018
6.372.3.7 tightUnmarshal 2018
6.373 activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller Class Reference 2019
6.373.1 Detailed Description 2020
6.373.2 Constructor & Destructor Documentation 2020
6.373.2.1 FlushCommandMarshaller 2020
6.373.2.2 ∼FlushCommandMarshaller 2020

6.373.3 Member Function Documentation 2020
6.373.3.1 createObject 2020
6.373.3.2 getDataStructureType 2020
6.373.3.3 looseMarshal 2020
6.373.3.4 looseUnmarshal 2021
6.373.3.5 tightMarshal1 2021
6.373.3.6 tightMarshal2 2022
6.373.3.7 tightUnmarshal 2022
6.374 activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller Class Reference 2023
6.374.1 Detailed Description 2024
6.374.2 Constructor & Destructor Documentation 2024
6.374.2.1 FlushCommandMarshaller 2024
6.374.2.2 ∼FlushCommandMarshaller 2024
6.374.3 Member Function Documentation 2024
6.374.3.1 createObject 2024
6.374.3.2 getDataStructureType 2024
6.374.3.3 looseMarshal 2025
6.374.3.4 looseUnmarshal 2025
6.374.3.5 tightMarshal1 2026
6.374.3.6 tightMarshal2 2026
6.374.3.7 tightUnmarshal 2027
6.375 decaf::util::logging::Formatter Class Reference 2027
6.375.1 Detailed Description 2028
6.375.2 Constructor & Destructor Documentation 2028
6.375.2.1 ∼Formatter 2028
6.375.3 Member Function Documentation 2028
6.375.3.1 format 2028
6.375.3.2 formatMessage 2028
6.375.3.3 getHead 2029
6.375.3.4 getTail 2029
6.376 decaf::util::concurrent::Future< V > Class Template Reference . . . 2029
6.376.1 Detailed Description 2030
6.376.2 Constructor & Destructor Documentation 2030
6.376.2.1 ∼Future 2030
6.376.3 Member Function Documentation 2030
6.376.3.1 cancel 2030
6.376.3.2 get 2031
6.376.3.3 get 2031
6.376.3.4 isCancelled 2032
6.376.3.5 isDone 2032
6.377 activemq::transport::correlator::FutureResponse Class Reference . . . 2032
6.377.1 Detailed Description 2033
6.377.2 Constructor & Destructor Documentation 2033
6.377.2.1 FutureResponse 2033
6.377.2.2 ∼FutureResponse 2033
6.377.3 Member Function Documentation 2033
6.377.3.1 getResponse 2033
6.377.3.2 getResponse 2034
6.377.3.3 getResponse 2034

6.377.3.4 getResponse 2034
6.377.3.5 setResponse 2034
6.378 decaf::security::GeneralSecurityException Class Reference 2034
6.378.1 Constructor & Destructor Documentation 2035
6.378.1.1 GeneralSecurityException 2035
6.378.1.2 GeneralSecurityException 2035
6.378.1.3 GeneralSecurityException 2035
6.378.1.4 GeneralSecurityException 2036
6.378.1.5 GeneralSecurityException 2036
6.378.1.6 GeneralSecurityException 2036
6.378.1.7 ∼GeneralSecurityException 2037
6.378.2 Member Function Documentation 2037
6.378.2.1 clone 2037
6.379 decaf::internal::util::GenericResource< T > Class Template Reference 2037
6.379.1 Detailed Description 2038
6.379.2 Constructor & Destructor Documentation 2038
6.379.2.1 GenericResource 2038
6.379.2.2 ∼GenericResource 2038
6.379.3 Member Function Documentation 2038
6.379.3.1 getManaged 2038
6.379.3.2 setManaged 2038
6.380 gz_header_s Struct Reference 2038
6.380.1 Field Documentation 2039
6.380.1.1 comm_max 2039
6.380.1.2 comment 2039
6.380.1.3 done 2039
6.380.1.4 extra 2039
6.380.1.5 extra_len 2039
6.380.1.6 extra_max 2039
6.380.1.7 hcrc 2039
6.380.1.8 name 2039
6.380.1.9 name_max 2039
6.380.1.10 os 2039
6.380.1.11 text 2039
6.380.1.12 time 2039
6.380.1.13 xflags 2039
6.381 gz_state Struct Reference 2039
6.381.1 Field Documentation 2041
6.381.1.1 direct 2041
6.381.1.2 eof 2041
6.381.1.3 err 2041
6.381.1.4 fd 2041
6.381.1.5 have 2041
6.381.1.6 how 2041
6.381.1.7 in 2041
6.381.1.8 level 2041
6.381.1.9 mode 2041
6.381.1.10 msg 2041
6.381.1.11 next 2041
6.381.1.12 out 2041

6.381.1.13 path 2041
6.381.1.14 pos 2041
6.381.1.15 raw 2041
6.381.1.16 seek 2041
6.381.1.17 size 2041
6.381.1.18 skip 2041
6.381.1.19 start 2041
6.381.1.20 strategy 2041
6.381.1.21 strm 2041
6.381.1.22 want 2041
6.382 decaf::util::logging::Handler Class Reference 2042
6.382.1 Detailed Description 2043
6.382.2 Constructor & Destructor Documentation 2043
6.382.2.1 Handler 2043
6.382.2.2 ∼Handler 2043
6.382.3 Member Function Documentation 2043
6.382.3.1 flush 2043
6.382.3.2 getErrorManager 2043
6.382.3.3 getFilter 2043
6.382.3.4 getFormatter 2044
6.382.3.5 getLevel 2044
6.382.3.6 isLoggable 2044
6.382.3.7 publish 2044
6.382.3.8 reportError 2045
6.382.3.9 setErrorManager 2045
6.382.3.10 setFilter 2045
6.382.3.11 setFormatter 2045
6.382.3.12 setLevel 2046
6.383 decaf::internal::util::HexStringParser Class Reference 2046
6.383.1 Constructor & Destructor Documentation 2047
6.383.1.1 HexStringParser 2047
6.383.1.2 ∼HexStringParser 2047
6.383.2 Member Function Documentation 2047
6.383.2.1 parse 2047
6.383.2.2 parseDouble 2047
6.383.2.3 parseFloat 2047
6.384 activemq::wireformat::openwire::utils::HexTable Class Reference . . 2048
6.384.1 Detailed Description 2048
6.384.2 Constructor & Destructor Documentation 2048
6.384.2.1 HexTable 2048
6.384.2.2 ∼HexTable 2048
6.384.3 Member Function Documentation 2048
6.384.3.1 operator[] 2048
6.384.3.2 operator[] 2049
6.384.3.3 size 2049
6.385 decaf::net::HttpRetryException Class Reference 2049
6.385.1 Constructor & Destructor Documentation 2050
6.385.1.1 HttpRetryException 2050
6.385.1.2 HttpRetryException 2050
6.385.1.3 HttpRetryException 2050

6.385.1.4 HttpRetryException 2050
6.385.1.5 HttpRetryException 2051
6.385.1.6 HttpRetryException 2051
6.385.1.7 ∼HttpRetryException 2051
6.385.2 Member Function Documentation 2051
6.385.2.1 clone 2051
6.386 activemq::util::IdGenerator Class Reference 2052
6.386.1 Constructor & Destructor Documentation 2053
6.386.1.1 IdGenerator 2053
6.386.1.2 IdGenerator 2053
6.386.1.3 ∼IdGenerator 2053
6.386.2 Member Function Documentation 2053
6.386.2.1 compare 2053
6.386.2.2 generateId 2053
6.386.2.3 getHostname 2053
6.386.2.4 getSeedFromId 2053
6.386.2.5 getSequenceFromId 2054
6.387 decaf::lang::exceptions::IllegalArgumentException Class Reference . 2054
6.387.1 Constructor & Destructor Documentation 2055
6.387.1.1 IllegalArgumentException 2055
6.387.1.2 IllegalArgumentException 2055
6.387.1.3 IllegalArgumentException 2055
6.387.1.4 IllegalArgumentException 2055
6.387.1.5 IllegalArgumentException 2055
6.387.1.6 IllegalArgumentException 2056
6.387.1.7 ∼IllegalArgumentException 2056
6.387.2 Member Function Documentation 2056
6.387.2.1 clone 2056
6.388 decaf::lang::exceptions::IllegalMonitorStateException Class Reference 2056
6.388.1 Constructor & Destructor Documentation 2057
6.388.1.1 IllegalMonitorStateException 2057
6.388.1.2 IllegalMonitorStateException 2057
6.388.1.3 IllegalMonitorStateException 2058
6.388.1.4 IllegalMonitorStateException 2058
6.388.1.5 IllegalMonitorStateException 2058
6.388.1.6 IllegalMonitorStateException 2058
6.388.1.7 ∼IllegalMonitorStateException 2059
6.388.2 Member Function Documentation 2059
6.388.2.1 clone 2059
6.389 cms::IllegalStateException Class Reference 2059
6.389.1 Detailed Description 2059
6.389.2 Constructor & Destructor Documentation 2060
6.389.2.1 IllegalStateException 2060
6.389.2.2 IllegalStateException 2060
6.389.2.3 IllegalStateException 2060
6.389.2.4 IllegalStateException 2060
6.389.2.5 ∼IllegalStateException 2060
6.390 decaf::lang::exceptions::IllegalStateException Class Reference 2060
6.390.1 Constructor & Destructor Documentation 2061
6.390.1.1 IllegalStateException 2061

6.390.1.2 IllegalStateException 2061
6.390.1.3 IllegalStateException 2061
6.390.1.4 IllegalStateException 2061
6.390.1.5 IllegalStateException 2062
6.390.1.6 IllegalStateException 2062
6.390.1.7 ∼IllegalStateException 2062
6.390.2 Member Function Documentation 2062
6.390.2.1 clone 2062
6.391 decaf::lang::exceptions::IllegalThreadStateException Class Reference 2063
6.391.1 Constructor & Destructor Documentation 2064
6.391.1.1 IllegalThreadStateException 2064
6.391.1.2 IllegalThreadStateException 2064
6.391.1.3 IllegalThreadStateException 2064
6.391.1.4 IllegalThreadStateException 2064
6.391.1.5 IllegalThreadStateException 2064
6.391.1.6 IllegalThreadStateException 2065
6.391.1.7 ∼IllegalThreadStateException 2065
6.391.2 Member Function Documentation 2065
6.391.2.1 clone 2065
6.392 activemq::transport::inactivity::InactivityMonitor Class Reference . . 2065
6.392.1 Constructor & Destructor Documentation 2067
6.392.1.1 InactivityMonitor 2067
6.392.1.2 InactivityMonitor 2067
6.392.1.3 ∼InactivityMonitor 2067
6.392.2 Member Function Documentation 2067
6.392.2.1 close 2067
6.392.2.2 getInitialDelayTime 2067
6.392.2.3 getReadCheckTime 2067
6.392.2.4 getWriteCheckTime 2067
6.392.2.5 isKeepAliveResponseRequired 2067
6.392.2.6 onCommand 2067
6.392.2.7 oneway 2068
6.392.2.8 onException 2068
6.392.2.9 setInitialDelayTime 2069
6.392.2.10 setKeepAliveResponseRequired 2069
6.392.2.11 setReadCheckTime 2069
6.392.2.12 setWriteCheckTime 2069
6.392.3 Friends And Related Function Documentation 2069
6.392.3.1 AsyncSignalReadErrorkTask 2069
6.392.3.2 AsyncWriteTask 2069
6.392.3.3 ReadChecker 2069
6.392.3.4 WriteChecker 2069
6.393 decaf::lang::exceptions::IndexOutOfBoundsException Class Reference 2069
6.393.1 Constructor & Destructor Documentation 2070
6.393.1.1 IndexOutOfBoundsException 2070
6.393.1.2 IndexOutOfBoundsException 2070
6.393.1.3 IndexOutOfBoundsException 2070
6.393.1.4 IndexOutOfBoundsException 2071
6.393.1.5 IndexOutOfBoundsException 2071
6.393.1.6 IndexOutOfBoundsException 2071

6.393.1.7 ~IndexOutOfBoundsException 2072
6.393.2 Member Function Documentation 2072
6.393.2.1 clone 2072
6.394 decaf::net::Inet4Address Class Reference 2072
6.394.1 Constructor & Destructor Documentation 2073
6.394.1.1 Inet4Address 2073
6.394.1.2 Inet4Address 2073
6.394.1.3 Inet4Address 2073
6.394.1.4 ~Inet4Address 2073
6.394.2 Member Function Documentation 2073
6.394.2.1 isAnyLocalAddress 2073
6.394.2.2 isLinkLocalAddress 2074
6.394.2.3 isLoopbackAddress 2074
6.394.2.4 isMCGlobal 2074
6.394.2.5 isMCLinkLocal 2074
6.394.2.6 isMCNodeLocal 2075
6.394.2.7 isMCOrgLocal 2075
6.394.2.8 isMCSiteLocal 2075
6.394.2.9 isMulticastAddress 2075
6.394.2.10 isSiteLocalAddress 2075
6.394.3 Friends And Related Function Documentation 2076
6.394.3.1 InetAddress 2076
6.395 decaf::net::Inet6Address Class Reference 2076
6.395.1 Constructor & Destructor Documentation 2077
6.395.1.1 Inet6Address 2077
6.395.1.2 Inet6Address 2077
6.395.1.3 Inet6Address 2077
6.395.1.4 ~Inet6Address 2077
6.395.2 Friends And Related Function Documentation 2077
6.395.2.1 InetAddress 2077
6.396 decaf::net::InetAddress Class Reference 2077
6.396.1 Detailed Description 2079
6.396.2 Constructor & Destructor Documentation 2080
6.396.2.1 InetAddress 2080
6.396.2.2 InetAddress 2080
6.396.2.3 InetAddress 2080
6.396.2.4 ~InetAddress 2080
6.396.3 Member Function Documentation 2080
6.396.3.1 bytesToInt 2080
6.396.3.2 getAddress 2080
6.396.3.3 getAnyAddress 2080
6.396.3.4 getByAddress 2080
6.396.3.5 getByAddress 2081
6.396.3.6 getHostAddress 2081
6.396.3.7 getHostName 2081
6.396.3.8 getLocalHost 2082
6.396.3.9 getLoopbackAddress 2082
6.396.3.10 isAnyLocalAddress 2082
6.396.3.11 isLinkLocalAddress 2082
6.396.3.12 isLoopbackAddress 2083

6.396.3.13 isMCGlobal 2083
6.396.3.14 isMCLinkLocal 2083
6.396.3.15 isMCNodeLocal 2083
6.396.3.16 isMCOrgLocal 2083
6.396.3.17 isMCSiteLocal 2084
6.396.3.18 isMulticastAddress 2084
6.396.3.19 isSiteLocalAddress 2084
6.396.3.20 toString 2084
6.396.4 Field Documentation 2085
6.396.4.1 addressBytes 2085
6.396.4.2 anyBytes 2085
6.396.4.3 hostname 2085
6.396.4.4 loopbackBytes 2085
6.396.4.5 reached 2085
6.397 decaf::net::InetSocketAddress Class Reference 2085
6.397.1 Constructor & Destructor Documentation 2085
6.397.1.1 InetSocketAddress 2085
6.397.1.2 ~InetSocketAddress 2085
6.398 inflate_state Struct Reference 2085
6.398.1 Field Documentation 2087
6.398.1.1 back 2087
6.398.1.2 bits 2087
6.398.1.3 check 2087
6.398.1.4 codes 2087
6.398.1.5 distbits 2087
6.398.1.6 distcode 2087
6.398.1.7 dmax 2087
6.398.1.8 extra 2087
6.398.1.9 flags 2087
6.398.1.10 have 2087
6.398.1.11 havedict 2087
6.398.1.12 head 2087
6.398.1.13 hold 2087
6.398.1.14 last 2087
6.398.1.15 lenbits 2087
6.398.1.16 lencode 2087
6.398.1.17 length 2087
6.398.1.18 lens 2087
6.398.1.19 mode 2087
6.398.1.20 ncode 2087
6.398.1.21 ndist 2087
6.398.1.22 next 2087
6.398.1.23 nlen 2087
6.398.1.24 offset 2087
6.398.1.25 sane 2087
6.398.1.26 total 2087
6.398.1.27 was 2087
6.398.1.28 wbits 2087
6.398.1.29 whave 2087
6.398.1.30 window 2087

6.398.1.31 lwnext 2087
6.398.1.32 work 2087
6.398.1.33 wrap 2087
6.398.1.34 wsize 2087
6.399 decaf::util::zip::Inflater Class Reference 2088
6.399.1 Detailed Description 2089
6.399.2 Constructor & Destructor Documentation 2090
6.399.2.1 Inflater 2090
6.399.2.2 Inflater 2090
6.399.2.3 ~Inflater 2090
6.399.3 Member Function Documentation 2090
6.399.3.1 end 2090
6.399.3.2 finish 2090
6.399.3.3 finished 2091
6.399.3.4 getAdler 2091
6.399.3.5 getBytesRead 2091
6.399.3.6 getBytesWritten 2091
6.399.3.7 getRemaining 2091
6.399.3.8 inflate 2092
6.399.3.9 inflate 2092
6.399.3.10 inflate 2093
6.399.3.11 needsDictionary 2093
6.399.3.12 needsInput 2093
6.399.3.13 reset 2094
6.399.3.14 setDictionary 2094
6.399.3.15 setDictionary 2094
6.399.3.16 setDictionary 2095
6.399.3.17 setInput 2095
6.399.3.18 setInput 2096
6.399.3.19 setInput 2096
6.400 decaf::util::zip::InflaterInputStream Class Reference 2097
6.400.1 Detailed Description 2100
6.400.2 Constructor & Destructor Documentation 2100
6.400.2.1 InflaterInputStream 2100
6.400.2.2 InflaterInputStream 2100
6.400.2.3 InflaterInputStream 2101
6.400.2.4 ~InflaterInputStream 2101
6.400.3 Member Function Documentation 2101
6.400.3.1 available 2101
6.400.3.2 close 2102
6.400.3.3 doReadArrayBounded 2102
6.400.3.4 doReadByte 2102
6.400.3.5 fill 2102
6.400.3.6 mark 2102
6.400.3.7 markSupported 2103
6.400.3.8 reset 2103
6.400.3.9 skip 2104
6.400.4 Field Documentation 2104
6.400.4.1 atEOF 2104
6.400.4.2 buff 2104

6.400.4.3 DEFAULT_BUFFER_SIZE 2105
6.400.4.4 inflater 2105
6.400.4.5 length 2105
6.400.4.6 ownInflater 2105
6.401 decaf::io::InputStream Class Reference 2105
6.401.1 Detailed Description 2107
6.401.2 Constructor & Destructor Documentation 2107
6.401.2.1 InputStream 2107
6.401.2.2 ∼InputStream 2107
6.401.3 Member Function Documentation 2107
6.401.3.1 available 2107
6.401.3.2 close 2108
6.401.3.3 doReadArray 2108
6.401.3.4 doReadArrayBounded 2108
6.401.3.5 doReadByte 2109
6.401.3.6 lock 2109
6.401.3.7 mark 2109
6.401.3.8 markSupported 2109
6.401.3.9 notify 2110
6.401.3.10 notifyAll 2110
6.401.3.11 read 2111
6.401.3.12 read 2112
6.401.3.13 read 2112
6.401.3.14 reset 2113
6.401.3.15 skip 2113
6.401.3.16 toString 2114
6.401.3.17 tryLock 2114
6.401.3.18 unlock 2115
6.401.3.19 wait 2115
6.401.3.20 wait 2115
6.401.3.21 wait 2116
6.402 decaf::io::InputStreamReader Class Reference 2116
6.402.1 Detailed Description 2117
6.402.2 Constructor & Destructor Documentation 2117
6.402.2.1 InputStreamReader 2117
6.402.2.2 ∼InputStreamReader 2118
6.402.3 Member Function Documentation 2118
6.402.3.1 checkClosed 2118
6.402.3.2 close 2118
6.402.3.3 doReadArrayBounded 2118
6.402.3.4 ready 2118
6.403 decaf::internal::nio::IntArrayBuffer Class Reference 2119
6.403.1 Constructor & Destructor Documentation 2123
6.403.1.1 IntArrayBuffer 2123
6.403.1.2 IntArrayBuffer 2123
6.403.1.3 IntArrayBuffer 2124
6.403.1.4 IntArrayBuffer 2124
6.403.1.5 ∼IntArrayBuffer 2125
6.403.2 Member Function Documentation 2125
6.403.2.1 array 2125

6.403.2.2 arrayOffset 2125
6.403.2.3 asReadOnlyBuffer 2126
6.403.2.4 compact 2126
6.403.2.5 duplicate 2127
6.403.2.6 get 2127
6.403.2.7 get 2127
6.403.2.8 hasArray 2128
6.403.2.9 isReadOnly 2128
6.403.2.10 put 2128
6.403.2.11 put 2129
6.403.2.12 setReadOnly 2129
6.403.2.13 slice 2130
6.404 decaf::nio::IntBuffer Class Reference 2130
6.404.1 Detailed Description 2132
6.404.2 Constructor & Destructor Documentation 2133
6.404.2.1 IntBuffer 2133
6.404.2.2 ~IntBuffer 2133
6.404.3 Member Function Documentation 2133
6.404.3.1 allocate 2133
6.404.3.2 array 2134
6.404.3.3 arrayOffset 2134
6.404.3.4 asReadOnlyBuffer 2135
6.404.3.5 compact 2135
6.404.3.6 compareTo 2136
6.404.3.7 duplicate 2136
6.404.3.8 equals 2136
6.404.3.9 get 2136
6.404.3.10 get 2136
6.404.3.11 get 2137
6.404.3.12 get 2138
6.404.3.13 hasArray 2138
6.404.3.14 operator< 2138
6.404.3.15 operator== 2138
6.404.3.16 put 2138
6.404.3.17 put 2139
6.404.3.18 put 2139
6.404.3.19 put 2140
6.404.3.20 put 2141
6.404.3.21 slice 2141
6.404.3.22 toString 2142
6.404.3.23 wrap 2142
6.404.3.24 wrap 2142
6.405 decaf::lang::Integer Class Reference 2143
6.405.1 Constructor & Destructor Documentation 2146
6.405.1.1 Integer 2146
6.405.1.2 Integer 2146
6.405.1.3 ~Integer 2147
6.405.2 Member Function Documentation 2147
6.405.2.1 bitCount 2147
6.405.2.2 byteValue 2147

6.405.2.3 compareTo 2147
6.405.2.4 compareTo 2148
6.405.2.5 decode 2148
6.405.2.6 doubleValue 2148
6.405.2.7 equals 2149
6.405.2.8 equals 2149
6.405.2.9 floatValue 2149
6.405.2.10 highestOneBit 2149
6.405.2.11 intValue 2150
6.405.2.12 longValue 2150
6.405.2.13 lowestOneBit 2150
6.405.2.14 numberOfLeadingZeros 2151
6.405.2.15 numberOfTrailingZeros 2151
6.405.2.16 operator< 2151
6.405.2.17 operator< 2152
6.405.2.18 operator== 2152
6.405.2.19 operator== 2152
6.405.2.20 parseInt 2153
6.405.2.21 parseInt 2153
6.405.2.22 reverse 2154
6.405.2.23 reverseBytes 2154
6.405.2.24 rotateLeft 2154
6.405.2.25 rotateRight 2155
6.405.2.26 shortValue 2155
6.405.2.27 signum 2155
6.405.2.28 toBinaryString 2156
6.405.2.29 toHexString 2156
6.405.2.30 toOctalString 2157
6.405.2.31 toString 2157
6.405.2.32 toString 2157
6.405.2.33 toString 2158
6.405.2.34 valueOf 2158
6.405.2.35 valueOf 2158
6.405.2.36 valueOf 2159
6.405.3 Field Documentation 2159
6.405.3.1 MAX_VALUE 2159
6.405.3.2 MIN_VALUE 2159
6.405.3.3 SIZE 2159
6.406 activemq::commands::IntegerResponse Class Reference 2160
6.406.1 Constructor & Destructor Documentation 2161
6.406.1.1 IntegerResponse 2161
6.406.1.2 ~IntegerResponse 2161
6.406.2 Member Function Documentation 2161
6.406.2.1 cloneDataStructure 2161
6.406.2.2 copyDataStructure 2161
6.406.2.3 equals 2161
6.406.2.4 getDataStructureType 2162
6.406.2.5 getResult 2162
6.406.2.6 setResult 2162
6.406.2.7 toString 2162

6.406.3 Field Documentation 2162
6.406.3.1 ID_INTEGERRESPONSE 2162
6.406.3.2 result 2162
6.407 activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller Class Reference 2162
6.407.1 Detailed Description 2163
6.407.2 Constructor & Destructor Documentation 2164
6.407.2.1 IntegerResponseMarshaller 2164
6.407.2.2 ∼IntegerResponseMarshaller 2164
6.407.3 Member Function Documentation 2164
6.407.3.1 createObject 2164
6.407.3.2 getDataStructureType 2164
6.407.3.3 looseMarshal 2164
6.407.3.4 looseUnmarshal 2165
6.407.3.5 tightMarshal1 2165
6.407.3.6 tightMarshal2 2166
6.407.3.7 tightUnmarshal 2166
6.408 activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller Class Reference 2167
6.408.1 Detailed Description 2168
6.408.2 Constructor & Destructor Documentation 2168
6.408.2.1 IntegerResponseMarshaller 2168
6.408.2.2 ∼IntegerResponseMarshaller 2168
6.408.3 Member Function Documentation 2168
6.408.3.1 createObject 2168
6.408.3.2 getDataStructureType 2168
6.408.3.3 looseMarshal 2169
6.408.3.4 looseUnmarshal 2169
6.408.3.5 tightMarshal1 2169
6.408.3.6 tightMarshal2 2170
6.408.3.7 tightUnmarshal 2170
6.409 activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller Class Reference 2171
6.409.1 Detailed Description 2172
6.409.2 Constructor & Destructor Documentation 2172
6.409.2.1 IntegerResponseMarshaller 2172
6.409.2.2 ∼IntegerResponseMarshaller 2172
6.409.3 Member Function Documentation 2172
6.409.3.1 createObject 2172
6.409.3.2 getDataStructureType 2173
6.409.3.3 looseMarshal 2173
6.409.3.4 looseUnmarshal 2173
6.409.3.5 tightMarshal1 2174
6.409.3.6 tightMarshal2 2174
6.409.3.7 tightUnmarshal 2175
6.410 activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller Class Reference 2175
6.410.1 Detailed Description 2176
6.410.2 Constructor & Destructor Documentation 2177
6.410.2.1 IntegerResponseMarshaller 2177

6.410.2.2 ~IntegerResponseMarshaller 2177
6.410.3 Member Function Documentation 2177
6.410.3.1 createObject 2177
6.410.3.2 getDataStructureType 2177
6.410.3.3 looseMarshal 2177
6.410.3.4 looseUnmarshal 2178
6.410.3.5 tightMarshal1 2178
6.410.3.6 tightMarshal2 2179
6.410.3.7 tightUnmarshal 2179
6.411 activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller Class Reference 2180
6.411.1 Detailed Description 2181
6.411.2 Constructor & Destructor Documentation 2181
6.411.2.1 IntegerResponseMarshaller 2181
6.411.2.2 ~IntegerResponseMarshaller 2181
6.411.3 Member Function Documentation 2181
6.411.3.1 createObject 2181
6.411.3.2 getDataStructureType 2181
6.411.3.3 looseMarshal 2182
6.411.3.4 looseUnmarshal 2182
6.411.3.5 tightMarshal1 2182
6.411.3.6 tightMarshal2 2183
6.411.3.7 tightUnmarshal 2183
6.412 activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller Class Reference 2184
6.412.1 Detailed Description 2185
6.412.2 Constructor & Destructor Documentation 2185
6.412.2.1 IntegerResponseMarshaller 2185
6.412.2.2 ~IntegerResponseMarshaller 2185
6.412.3 Member Function Documentation 2185
6.412.3.1 createObject 2185
6.412.3.2 getDataStructureType 2186
6.412.3.3 looseMarshal 2186
6.412.3.4 looseUnmarshal 2186
6.412.3.5 tightMarshal1 2187
6.412.3.6 tightMarshal2 2187
6.412.3.7 tightUnmarshal 2188
6.413 internal_state Struct Reference 2188
6.413.1 Field Documentation 2191
6.413.1.1 bi_buf 2191
6.413.1.2 bi_valid 2191
6.413.1.3 bl_count 2191
6.413.1.4 bl_desc 2191
6.413.1.5 bl_tree 2191
6.413.1.6 block_start 2191
6.413.1.7 d_buf 2191
6.413.1.8 d_desc 2191
6.413.1.9 depth 2191
6.413.1.10 dummy 2191
6.413.1.11 dyn_dtree 2191

6.413.1.12 dyn_ltree 2191
6.413.1.13 good_match 2191
6.413.1.14 gzhead 2191
6.413.1.15 gzindex 2191
6.413.1.16 hash_bits 2191
6.413.1.17 hash_mask 2191
6.413.1.18 hash_shift 2191
6.413.1.19 hash_size 2191
6.413.1.20 head 2191
6.413.1.21 heap 2191
6.413.1.22 heap_len 2191
6.413.1.23 heap_max 2191
6.413.1.24 high_water 2191
6.413.1.25 ins_h 2191
6.413.1.26 l_buf 2191
6.413.1.27 l_desc 2191
6.413.1.28 last_eob_len 2191
6.413.1.29 last_flush 2191
6.413.1.30 last_lit 2191
6.413.1.31 level 2191
6.413.1.32 lit_bufsize 2191
6.413.1.33 lookahead 2191
6.413.1.34 match_available 2191
6.413.1.35 match_length 2191
6.413.1.36 match_start 2191
6.413.1.37 matches 2191
6.413.1.38 max_chain_length 2191
6.413.1.39 max_lazy_match 2191
6.413.1.40 method 2191
6.413.1.41 nice_match 2191
6.413.1.42 opt_len 2191
6.413.1.43 pending 2191
6.413.1.44 pending_buf 2191
6.413.1.45 pending_buf_size 2191
6.413.1.46 pending_out 2191
6.413.1.47 prev 2191
6.413.1.48 prev_length 2191
6.413.1.49 prev_match 2191
6.413.1.50 static_len 2191
6.413.1.51 status 2191
6.413.1.52 strategy 2191
6.413.1.53 strm 2191
6.413.1.54 strstart 2191
6.413.1.55 w_bits 2191
6.413.1.56 w_mask 2191
6.413.1.57 w_size 2191
6.413.1.58 window 2191
6.413.1.59 window_size 2191
6.413.1.60 wrap 2191
6.414 activemq::transport::mock::InternalCommandListener Class Reference 2192

6.414.1 Detailed Description 2192
6.414.2 Constructor & Destructor Documentation 2193
6.414.2.1 InternalCommandListener 2193
6.414.2.2 ∼InternalCommandListener 2193
6.414.3 Member Function Documentation 2193
6.414.3.1 onCommand 2193
6.414.3.2 run 2193
6.414.3.3 setResponseBuilder 2193
6.414.3.4 setTransport 2193
6.415 decaf::lang::exceptions::InterruptedException Class Reference 2193
6.415.1 Constructor & Destructor Documentation 2194
6.415.1.1 InterruptedException 2194
6.415.1.2 InterruptedException 2194
6.415.1.3 InterruptedException 2195
6.415.1.4 InterruptedException 2195
6.415.1.5 InterruptedException 2195
6.415.1.6 InterruptedException 2195
6.415.1.7 ∼InterruptedException 2196
6.415.2 Member Function Documentation 2196
6.415.2.1 clone 2196
6.416 decaf::io::InterruptedIOException Class Reference 2196
6.416.1 Constructor & Destructor Documentation 2197
6.416.1.1 InterruptedIOException 2197
6.416.1.2 InterruptedIOException 2197
6.416.1.3 InterruptedIOException 2197
6.416.1.4 InterruptedIOException 2197
6.416.1.5 InterruptedIOException 2198
6.416.1.6 InterruptedIOException 2198
6.416.1.7 ∼InterruptedIOException 2198
6.416.2 Member Function Documentation 2198
6.416.2.1 clone 2198
6.417 cms::InvalidClientIdException Class Reference 2199
6.417.1 Detailed Description 2199
6.417.2 Constructor & Destructor Documentation 2200
6.417.2.1 InvalidClientIdException 2200
6.417.2.2 InvalidClientIdException 2200
6.417.2.3 InvalidClientIdException 2200
6.417.2.4 InvalidClientIdException 2200
6.417.2.5 ∼InvalidClientIdException 2200
6.418 cms::InvalidDestinationException Class Reference 2200
6.418.1 Detailed Description 2200
6.418.2 Constructor & Destructor Documentation 2201
6.418.2.1 InvalidDestinationException 2201
6.418.2.2 InvalidDestinationException 2201
6.418.2.3 InvalidDestinationException 2201
6.418.2.4 InvalidDestinationException 2201
6.418.2.5 ∼InvalidDestinationException 2201
6.419 decaf::security::InvalidKeyException Class Reference 2201
6.419.1 Constructor & Destructor Documentation 2202
6.419.1.1 InvalidKeyException 2202

6.419.1.2 InvalidKeyException 2202
6.419.1.3 InvalidKeyException 2202
6.419.1.4 InvalidKeyException 2202
6.419.1.5 InvalidKeyException 2203
6.419.1.6 InvalidKeyException 2203
6.419.1.7 ∼InvalidKeyException 2203
6.419.2 Member Function Documentation 2203
6.419.2.1 clone 2203
6.420 decaf::nio::InvalidMarkException Class Reference 2204
6.420.1 Constructor & Destructor Documentation 2204
6.420.1.1 InvalidMarkException 2204
6.420.1.2 InvalidMarkException 2205
6.420.1.3 InvalidMarkException 2205
6.420.1.4 InvalidMarkException 2205
6.420.1.5 InvalidMarkException 2205
6.420.1.6 InvalidMarkException 2206
6.420.1.7 ∼InvalidMarkException 2206
6.420.2 Member Function Documentation 2206
6.420.2.1 clone 2206
6.421 cms::InvalidSelectorException Class Reference 2206
6.421.1 Detailed Description 2207
6.421.2 Constructor & Destructor Documentation 2207
6.421.2.1 InvalidSelectorException 2207
6.421.2.2 InvalidSelectorException 2207
6.421.2.3 InvalidSelectorException 2207
6.421.2.4 InvalidSelectorException 2207
6.421.2.5 ∼InvalidSelectorException 2207
6.422 decaf::lang::exceptions::InvalidStateException Class Reference 2207
6.422.1 Constructor & Destructor Documentation 2208
6.422.1.1 InvalidStateException 2208
6.422.1.2 InvalidStateException 2208
6.422.1.3 InvalidStateException 2209
6.422.1.4 InvalidStateException 2209
6.422.1.5 InvalidStateException 2209
6.422.1.6 InvalidStateException 2209
6.422.1.7 ∼InvalidStateException 2210
6.422.2 Member Function Documentation 2210
6.422.2.1 clone 2210
6.423 decaf::io::IOException Class Reference 2210
6.423.1 Constructor & Destructor Documentation 2211
6.423.1.1 IOException 2211
6.423.1.2 IOException 2211
6.423.1.3 IOException 2211
6.423.1.4 IOException 2211
6.423.1.5 IOException 2212
6.423.1.6 IOException 2212
6.423.1.7 ∼IOException 2212
6.423.2 Member Function Documentation 2212
6.423.2.1 clone 2212
6.424 activemq::transport::IOTransport Class Reference 2213

6.424.1 Detailed Description 2215
6.424.2 Constructor & Destructor Documentation 2215
6.424.2.1 IOTransport 2215
6.424.2.2 IOTransport 2215
6.424.2.3 ∼IOTransport 2215
6.424.3 Member Function Documentation 2215
6.424.3.1 close 2215
6.424.3.2 getRemoteAddress 2216
6.424.3.3 getTransportListener 2216
6.424.3.4 isClosed 2216
6.424.3.5 isConnected 2216
6.424.3.6 isFaultTolerant 2217
6.424.3.7 narrow 2217
6.424.3.8 oneway 2217
6.424.3.9 reconnect 2218
6.424.3.10 request 2218
6.424.3.11 request 2218
6.424.3.12 run 2219
6.424.3.13 setInputStream 2219
6.424.3.14 setOutputStream 2219
6.424.3.15 setTransportListener 2219
6.424.3.16 setWireFormat 2220
6.424.3.17 start 2220
6.424.3.18 stop 2220
6.425 decaf::lang::Iterable< E > Class Template Reference 2220
6.425.1 Detailed Description 2221
6.425.2 Constructor & Destructor Documentation 2221
6.425.2.1 ∼Iterable 2221
6.425.3 Member Function Documentation 2221
6.425.3.1 iterator 2221
6.425.3.2 iterator 2222
6.426 decaf::util::Iterator< T > Class Template Reference 2222
6.426.1 Detailed Description 2223
6.426.2 Constructor & Destructor Documentation 2223
6.426.2.1 ∼Iterator 2223
6.426.3 Member Function Documentation 2223
6.426.3.1 hasNext 2223
6.426.3.2 next 2223
6.426.3.3 remove 2223
6.427 activemq::commands::JournalQueueAck Class Reference 2224
6.427.1 Constructor & Destructor Documentation 2225
6.427.1.1 JournalQueueAck 2225
6.427.1.2 ∼JournalQueueAck 2225
6.427.2 Member Function Documentation 2225
6.427.2.1 cloneDataStructure 2225
6.427.2.2 copyDataStructure 2225
6.427.2.3 equals 2226
6.427.2.4 getDataStructureType 2226
6.427.2.5 getDestination 2227
6.427.2.6 getDestination 2227

6.427.2.7 getMessageAck 2227
6.427.2.8 getMessageAck 2227
6.427.2.9 setDestination 2227
6.427.2.10 setMessageAck 2227
6.427.2.11 toString 2227
6.427.3 Field Documentation 2227
6.427.3.1 destination 2227
6.427.3.2 ID_JOURNALQUEUEACK 2227
6.427.3.3 messageAck 2227
6.428 activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller Class Reference 2228
6.428.1 Detailed Description 2229
6.428.2 Constructor & Destructor Documentation 2229
6.428.2.1 JournalQueueAckMarshaller 2229
6.428.2.2 ~JournalQueueAckMarshaller 2229
6.428.3 Member Function Documentation 2229
6.428.3.1 createObject 2229
6.428.3.2 getDataStructureType 2229
6.428.3.3 looseMarshal 2229
6.428.3.4 looseUnmarshal 2230
6.428.3.5 tightMarshal1 2230
6.428.3.6 tightMarshal2 2231
6.428.3.7 tightUnmarshal 2231
6.429 activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller Class Reference 2232
6.429.1 Detailed Description 2233
6.429.2 Constructor & Destructor Documentation 2233
6.429.2.1 JournalQueueAckMarshaller 2233
6.429.2.2 ~JournalQueueAckMarshaller 2233
6.429.3 Member Function Documentation 2233
6.429.3.1 createObject 2233
6.429.3.2 getDataStructureType 2233
6.429.3.3 looseMarshal 2233
6.429.3.4 looseUnmarshal 2234
6.429.3.5 tightMarshal1 2234
6.429.3.6 tightMarshal2 2235
6.429.3.7 tightUnmarshal 2235
6.430 activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller Class Reference 2236
6.430.1 Detailed Description 2237
6.430.2 Constructor & Destructor Documentation 2237
6.430.2.1 JournalQueueAckMarshaller 2237
6.430.2.2 ~JournalQueueAckMarshaller 2237
6.430.3 Member Function Documentation 2237
6.430.3.1 createObject 2237
6.430.3.2 getDataStructureType 2237
6.430.3.3 looseMarshal 2237
6.430.3.4 looseUnmarshal 2238
6.430.3.5 tightMarshal1 2238
6.430.3.6 tightMarshal2 2239

6.430.3.7 tightUnmarshal 2239
6.431 activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller Class Reference 2240
6.431.1 Detailed Description 2241
6.431.2 Constructor & Destructor Documentation 2241
6.431.2.1 JournalQueueAckMarshaller 2241
6.431.2.2 ~JournalQueueAckMarshaller 2241
6.431.3 Member Function Documentation 2241
6.431.3.1 createObject 2241
6.431.3.2 getDataStructureType 2241
6.431.3.3 looseMarshal 2241
6.431.3.4 looseUnmarshal 2242
6.431.3.5 tightMarshal1 2242
6.431.3.6 tightMarshal2 2243
6.431.3.7 tightUnmarshal 2243
6.432 activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller Class Reference 2244
6.432.1 Detailed Description 2245
6.432.2 Constructor & Destructor Documentation 2245
6.432.2.1 JournalQueueAckMarshaller 2245
6.432.2.2 ~JournalQueueAckMarshaller 2245
6.432.3 Member Function Documentation 2245
6.432.3.1 createObject 2245
6.432.3.2 getDataStructureType 2245
6.432.3.3 looseMarshal 2245
6.432.3.4 looseUnmarshal 2246
6.432.3.5 tightMarshal1 2246
6.432.3.6 tightMarshal2 2247
6.432.3.7 tightUnmarshal 2247
6.433 activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller Class Reference 2248
6.433.1 Detailed Description 2249
6.433.2 Constructor & Destructor Documentation 2249
6.433.2.1 JournalQueueAckMarshaller 2249
6.433.2.2 ~JournalQueueAckMarshaller 2249
6.433.3 Member Function Documentation 2249
6.433.3.1 createObject 2249
6.433.3.2 getDataStructureType 2249
6.433.3.3 looseMarshal 2249
6.433.3.4 looseUnmarshal 2250
6.433.3.5 tightMarshal1 2250
6.433.3.6 tightMarshal2 2251
6.433.3.7 tightUnmarshal 2251
6.434 activemq::commands::JournalTopicAck Class Reference 2252
6.434.1 Constructor & Destructor Documentation 2253
6.434.1.1 JournalTopicAck 2253
6.434.1.2 ~JournalTopicAck 2253
6.434.2 Member Function Documentation 2253
6.434.2.1 cloneDataStructure 2253
6.434.2.2 copyDataStructure 2253

6.434.2.3 equals 2254
6.434.2.4 getClientId 2254
6.434.2.5 getClientId 2254
6.434.2.6 getDataStructureType 2254
6.434.2.7 getDestination 2255
6.434.2.8 getDestination 2255
6.434.2.9 getMessageId 2255
6.434.2.10 getMessageId 2255
6.434.2.11 getMessageSequenceId 2255
6.434.2.12 getSubscritionName 2255
6.434.2.13 getSubscritionName 2255
6.434.2.14 getTransactionId 2255
6.434.2.15 getTransactionId 2255
6.434.2.16 setClientId 2255
6.434.2.17 setDestination 2255
6.434.2.18 setMessageId 2255
6.434.2.19 setMessageSequenceId 2255
6.434.2.20 setSubscritionName 2255
6.434.2.21 setTransactionId 2255
6.434.2.22 toString 2255
6.434.3 Field Documentation 2256
6.434.3.1 clientId 2256
6.434.3.2 destination 2256
6.434.3.3 ID_JOURNALTOPICACK 2256
6.434.3.4 messageId 2256
6.434.3.5 messageSequenceId 2256
6.434.3.6 subscritionName 2256
6.434.3.7 transactionId 2256
6.435 activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller Class Reference 2256
6.435.1 Detailed Description 2257
6.435.2 Constructor & Destructor Documentation 2258
6.435.2.1 JournalTopicAckMarshaller 2258
6.435.2.2 ~JournalTopicAckMarshaller 2258
6.435.3 Member Function Documentation 2258
6.435.3.1 createObject 2258
6.435.3.2 getDataStructureType 2258
6.435.3.3 looseMarshal 2258
6.435.3.4 looseUnmarshal 2259
6.435.3.5 tightMarshal1 2259
6.435.3.6 tightMarshal2 2260
6.435.3.7 tightUnmarshal 2260
6.436 activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller Class Reference 2261
6.436.1 Detailed Description 2262
6.436.2 Constructor & Destructor Documentation 2262
6.436.2.1 JournalTopicAckMarshaller 2262
6.436.2.2 ~JournalTopicAckMarshaller 2262
6.436.3 Member Function Documentation 2262
6.436.3.1 createObject 2262

6.436.3.2 getDataStructureType 2262
6.436.3.3 looseMarshal 2262
6.436.3.4 looseUnmarshal 2263
6.436.3.5 tightMarshal1 2263
6.436.3.6 tightMarshal2 2264
6.436.3.7 tightUnmarshal 2264
6.437 activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller Class Reference 2265
6.437.1 Detailed Description 2266
6.437.2 Constructor & Destructor Documentation 2266
6.437.2.1 JournalTopicAckMarshaller 2266
6.437.2.2 ∼JournalTopicAckMarshaller 2266
6.437.3 Member Function Documentation 2266
6.437.3.1 createObject 2266
6.437.3.2 getDataStructureType 2266
6.437.3.3 looseMarshal 2266
6.437.3.4 looseUnmarshal 2267
6.437.3.5 tightMarshal1 2267
6.437.3.6 tightMarshal2 2268
6.437.3.7 tightUnmarshal 2268
6.438 activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller Class Reference 2269
6.438.1 Detailed Description 2270
6.438.2 Constructor & Destructor Documentation 2270
6.438.2.1 JournalTopicAckMarshaller 2270
6.438.2.2 ∼JournalTopicAckMarshaller 2270
6.438.3 Member Function Documentation 2270
6.438.3.1 createObject 2270
6.438.3.2 getDataStructureType 2270
6.438.3.3 looseMarshal 2270
6.438.3.4 looseUnmarshal 2271
6.438.3.5 tightMarshal1 2271
6.438.3.6 tightMarshal2 2272
6.438.3.7 tightUnmarshal 2272
6.439 activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller Class Reference 2273
6.439.1 Detailed Description 2274
6.439.2 Constructor & Destructor Documentation 2274
6.439.2.1 JournalTopicAckMarshaller 2274
6.439.2.2 ∼JournalTopicAckMarshaller 2274
6.439.3 Member Function Documentation 2274
6.439.3.1 createObject 2274
6.439.3.2 getDataStructureType 2274
6.439.3.3 looseMarshal 2274
6.439.3.4 looseUnmarshal 2275
6.439.3.5 tightMarshal1 2275
6.439.3.6 tightMarshal2 2276
6.439.3.7 tightUnmarshal 2276
6.440 activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller Class Reference 2277

6.440.1 Detailed Description 2278
6.440.2 Constructor & Destructor Documentation 2278
6.440.2.1 JournalTopicAckMarshaller 2278
6.440.2.2 ∼JournalTopicAckMarshaller 2278
6.440.3 Member Function Documentation 2278
6.440.3.1 createObject 2278
6.440.3.2 getDataStructureType 2278
6.440.3.3 looseMarshal 2278
6.440.3.4 looseUnmarshal 2279
6.440.3.5 tightMarshal1 2279
6.440.3.6 tightMarshal2 2280
6.440.3.7 tightUnmarshal 2280
6.441 activemq::commands::JournalTrace Class Reference 2281
6.441.1 Constructor & Destructor Documentation 2282
6.441.1.1 JournalTrace 2282
6.441.1.2 ∼JournalTrace 2282
6.441.2 Member Function Documentation 2282
6.441.2.1 cloneDataStructure 2282
6.441.2.2 copyDataStructure 2282
6.441.2.3 equals 2282
6.441.2.4 getDataStructureType 2283
6.441.2.5 getMessage 2283
6.441.2.6 getMessage 2283
6.441.2.7 setMessage 2283
6.441.2.8 toString 2283
6.441.3 Field Documentation 2283
6.441.3.1 ID_JOURNALTRACE 2283
6.441.3.2 message 2283
6.442 activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller Class Reference 2283
6.442.1 Detailed Description 2284
6.442.2 Constructor & Destructor Documentation 2285
6.442.2.1 JournalTraceMarshaller 2285
6.442.2.2 ∼JournalTraceMarshaller 2285
6.442.3 Member Function Documentation 2285
6.442.3.1 createObject 2285
6.442.3.2 getDataStructureType 2285
6.442.3.3 looseMarshal 2285
6.442.3.4 looseUnmarshal 2286
6.442.3.5 tightMarshal1 2286
6.442.3.6 tightMarshal2 2287
6.442.3.7 tightUnmarshal 2287
6.443 activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller Class Reference 2288
6.443.1 Detailed Description 2289
6.443.2 Constructor & Destructor Documentation 2289
6.443.2.1 JournalTraceMarshaller 2289
6.443.2.2 ∼JournalTraceMarshaller 2289
6.443.3 Member Function Documentation 2289
6.443.3.1 createObject 2289

6.443.3.2 getDataStructureType 2289
6.443.3.3 looseMarshal 2289
6.443.3.4 looseUnmarshal 2290
6.443.3.5 tightMarshal1 2290
6.443.3.6 tightMarshal2 2291
6.443.3.7 tightUnmarshal 2291
6.444 activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller Class Reference 2292
6.444.1 Detailed Description 2293
6.444.2 Constructor & Destructor Documentation 2293
6.444.2.1 JournalTraceMarshaller 2293
6.444.2.2 ∼JournalTraceMarshaller 2293
6.444.3 Member Function Documentation 2293
6.444.3.1 createObject 2293
6.444.3.2 getDataStructureType 2293
6.444.3.3 looseMarshal 2293
6.444.3.4 looseUnmarshal 2294
6.444.3.5 tightMarshal1 2294
6.444.3.6 tightMarshal2 2295
6.444.3.7 tightUnmarshal 2295
6.445 activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller Class Reference 2296
6.445.1 Detailed Description 2297
6.445.2 Constructor & Destructor Documentation 2297
6.445.2.1 JournalTraceMarshaller 2297
6.445.2.2 ∼JournalTraceMarshaller 2297
6.445.3 Member Function Documentation 2297
6.445.3.1 createObject 2297
6.445.3.2 getDataStructureType 2297
6.445.3.3 looseMarshal 2297
6.445.3.4 looseUnmarshal 2298
6.445.3.5 tightMarshal1 2298
6.445.3.6 tightMarshal2 2299
6.445.3.7 tightUnmarshal 2299
6.446 activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller Class Reference 2300
6.446.1 Detailed Description 2301
6.446.2 Constructor & Destructor Documentation 2301
6.446.2.1 JournalTraceMarshaller 2301
6.446.2.2 ∼JournalTraceMarshaller 2301
6.446.3 Member Function Documentation 2301
6.446.3.1 createObject 2301
6.446.3.2 getDataStructureType 2301
6.446.3.3 looseMarshal 2301
6.446.3.4 looseUnmarshal 2302
6.446.3.5 tightMarshal1 2302
6.446.3.6 tightMarshal2 2303
6.446.3.7 tightUnmarshal 2303
6.447 activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller Class Reference 2304

6.447.1 Detailed Description 2305
6.447.2 Constructor & Destructor Documentation 2305
6.447.2.1 JournalTraceMarshaller 2305
6.447.2.2 ~JournalTraceMarshaller 2305
6.447.3 Member Function Documentation 2305
6.447.3.1 createObject 2305
6.447.3.2 getDataStructureType 2305
6.447.3.3 looseMarshal 2305
6.447.3.4 looseUnmarshal 2306
6.447.3.5 tightMarshal1 2306
6.447.3.6 tightMarshal2 2307
6.447.3.7 tightUnmarshal 2307
6.448 activemq::commands::JournalTransaction Class Reference 2308
6.448.1 Constructor & Destructor Documentation 2309
6.448.1.1 JournalTransaction 2309
6.448.1.2 ~JournalTransaction 2309
6.448.2 Member Function Documentation 2309
6.448.2.1 cloneDataStructure 2309
6.448.2.2 copyDataStructure 2309
6.448.2.3 equals 2309
6.448.2.4 getDataStructureType 2310
6.448.2.5 getTransactionId 2310
6.448.2.6 getTransactionId 2310
6.448.2.7 getType 2310
6.448.2.8 getWasPrepared 2310
6.448.2.9 setTransactionId 2310
6.448.2.10 setType 2310
6.448.2.11 setWasPrepared 2310
6.448.2.12 toString 2310
6.448.3 Field Documentation 2311
6.448.3.1 ID_JOURNALTRANSACTION 2311
6.448.3.2 transactionId 2311
6.448.3.3 type 2311
6.448.3.4 wasPrepared 2311
6.449 activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller Class Reference 2311
6.449.1 Detailed Description 2312
6.449.2 Constructor & Destructor Documentation 2312
6.449.2.1 JournalTransactionMarshaller 2312
6.449.2.2 ~JournalTransactionMarshaller 2312
6.449.3 Member Function Documentation 2312
6.449.3.1 createObject 2312
6.449.3.2 getDataStructureType 2313
6.449.3.3 looseMarshal 2313
6.449.3.4 looseUnmarshal 2313
6.449.3.5 tightMarshal1 2314
6.449.3.6 tightMarshal2 2314
6.449.3.7 tightUnmarshal 2315
6.450 activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller Class Reference 2315

6.450.1 Detailed Description 2316
6.450.2 Constructor & Destructor Documentation 2316
6.450.2.1 JournalTransactionMarshaller 2316
6.450.2.2 ∼JournalTransactionMarshaller 2316
6.450.3 Member Function Documentation 2316
6.450.3.1 createObject 2316
6.450.3.2 getDataStructureType 2317
6.450.3.3 looseMarshal 2317
6.450.3.4 looseUnmarshal 2317
6.450.3.5 tightMarshal1 2318
6.450.3.6 tightMarshal2 2318
6.450.3.7 tightUnmarshal 2319
6.451 activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller Class Reference 2319
6.451.1 Detailed Description 2320
6.451.2 Constructor & Destructor Documentation 2320
6.451.2.1 JournalTransactionMarshaller 2320
6.451.2.2 ∼JournalTransactionMarshaller 2320
6.451.3 Member Function Documentation 2320
6.451.3.1 createObject 2320
6.451.3.2 getDataStructureType 2321
6.451.3.3 looseMarshal 2321
6.451.3.4 looseUnmarshal 2321
6.451.3.5 tightMarshal1 2322
6.451.3.6 tightMarshal2 2322
6.451.3.7 tightUnmarshal 2323
6.452 activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller Class Reference 2323
6.452.1 Detailed Description 2324
6.452.2 Constructor & Destructor Documentation 2324
6.452.2.1 JournalTransactionMarshaller 2324
6.452.2.2 ∼JournalTransactionMarshaller 2324
6.452.3 Member Function Documentation 2324
6.452.3.1 createObject 2324
6.452.3.2 getDataStructureType 2325
6.452.3.3 looseMarshal 2325
6.452.3.4 looseUnmarshal 2325
6.452.3.5 tightMarshal1 2326
6.452.3.6 tightMarshal2 2326
6.452.3.7 tightUnmarshal 2327
6.453 activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller Class Reference 2327
6.453.1 Detailed Description 2328
6.453.2 Constructor & Destructor Documentation 2328
6.453.2.1 JournalTransactionMarshaller 2328
6.453.2.2 ∼JournalTransactionMarshaller 2328
6.453.3 Member Function Documentation 2328
6.453.3.1 createObject 2328
6.453.3.2 getDataStructureType 2329
6.453.3.3 looseMarshal 2329

6.453.3.4 looseUnmarshal 2329
6.453.3.5 tightMarshal1 2330
6.453.3.6 tightMarshal2 2330
6.453.3.7 tightUnmarshal 2331
6.454 activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller Class Reference 2331
6.454.1 Detailed Description 2332
6.454.2 Constructor & Destructor Documentation 2332
6.454.2.1 JournalTransactionMarshaller 2332
6.454.2.2 ∼JournalTransactionMarshaller 2332
6.454.3 Member Function Documentation 2332
6.454.3.1 createObject 2332
6.454.3.2 getDataStructureType 2333
6.454.3.3 looseMarshal 2333
6.454.3.4 looseUnmarshal 2333
6.454.3.5 tightMarshal1 2334
6.454.3.6 tightMarshal2 2334
6.454.3.7 tightUnmarshal 2335
6.455 activemq::commands::KeepAliveInfo Class Reference 2335
6.455.1 Constructor & Destructor Documentation 2336
6.455.1.1 KeepAliveInfo 2336
6.455.1.2 ∼KeepAliveInfo 2336
6.455.2 Member Function Documentation 2336
6.455.2.1 cloneDataStructure 2336
6.455.2.2 copyDataStructure 2336
6.455.2.3 equals 2337
6.455.2.4 getDataStructureType 2337
6.455.2.5 isKeepAliveInfo 2337
6.455.2.6 toString 2337
6.455.2.7 visit 2338
6.455.3 Field Documentation 2338
6.455.3.1 ID_KEEPALIVEINFO 2338
6.456 activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller Class Reference 2338
6.456.1 Detailed Description 2339
6.456.2 Constructor & Destructor Documentation 2339
6.456.2.1 KeepAliveInfoMarshaller 2339
6.456.2.2 ∼KeepAliveInfoMarshaller 2339
6.456.3 Member Function Documentation 2339
6.456.3.1 createObject 2339
6.456.3.2 getDataStructureType 2340
6.456.3.3 looseMarshal 2340
6.456.3.4 looseUnmarshal 2340
6.456.3.5 tightMarshal1 2341
6.456.3.6 tightMarshal2 2341
6.456.3.7 tightUnmarshal 2342
6.457 activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller Class Reference 2342
6.457.1 Detailed Description 2343
6.457.2 Constructor & Destructor Documentation 2344

6.457.2.1 KeepAliveInfoMarshaller 2344
6.457.2.2 ∼KeepAliveInfoMarshaller 2344
6.457.3 Member Function Documentation 2344
6.457.3.1 createObject 2344
6.457.3.2 getDataStructureType 2344
6.457.3.3 looseMarshal 2344
6.457.3.4 looseUnmarshal 2345
6.457.3.5 tightMarshal1 2345
6.457.3.6 tightMarshal2 2346
6.457.3.7 tightUnmarshal 2346
6.458 activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller Class Reference 2347
6.458.1 Detailed Description 2348
6.458.2 Constructor & Destructor Documentation 2348
6.458.2.1 KeepAliveInfoMarshaller 2348
6.458.2.2 ∼KeepAliveInfoMarshaller 2348
6.458.3 Member Function Documentation 2348
6.458.3.1 createObject 2348
6.458.3.2 getDataStructureType 2348
6.458.3.3 looseMarshal 2348
6.458.3.4 looseUnmarshal 2349
6.458.3.5 tightMarshal1 2349
6.458.3.6 tightMarshal2 2350
6.458.3.7 tightUnmarshal 2350
6.459 activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller Class Reference 2351
6.459.1 Detailed Description 2352
6.459.2 Constructor & Destructor Documentation 2352
6.459.2.1 KeepAliveInfoMarshaller 2352
6.459.2.2 ∼KeepAliveInfoMarshaller 2352
6.459.3 Member Function Documentation 2352
6.459.3.1 createObject 2352
6.459.3.2 getDataStructureType 2352
6.459.3.3 looseMarshal 2353
6.459.3.4 looseUnmarshal 2353
6.459.3.5 tightMarshal1 2354
6.459.3.6 tightMarshal2 2354
6.459.3.7 tightUnmarshal 2355
6.460 activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller Class Reference 2355
6.460.1 Detailed Description 2356
6.460.2 Constructor & Destructor Documentation 2356
6.460.2.1 KeepAliveInfoMarshaller 2356
6.460.2.2 ∼KeepAliveInfoMarshaller 2356
6.460.3 Member Function Documentation 2356
6.460.3.1 createObject 2356
6.460.3.2 getDataStructureType 2357
6.460.3.3 looseMarshal 2357
6.460.3.4 looseUnmarshal 2357
6.460.3.5 tightMarshal1 2358

6.460.3.6 tightMarshal2 2358
6.460.3.7 tightUnmarshal 2359
6.461 activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller Class Reference 2359
6.461.1 Detailed Description 2360
6.461.2 Constructor & Destructor Documentation 2361
6.461.2.1 KeepAliveInfoMarshaller 2361
6.461.2.2 ∼KeepAliveInfoMarshaller 2361
6.461.3 Member Function Documentation 2361
6.461.3.1 createObject 2361
6.461.3.2 getDataStructureType 2361
6.461.3.3 looseMarshal 2361
6.461.3.4 looseUnmarshal 2362
6.461.3.5 tightMarshal1 2362
6.461.3.6 tightMarshal2 2363
6.461.3.7 tightUnmarshal 2363
6.462 decaf::security::Key Class Reference 2364
6.462.1 Detailed Description 2364
6.462.2 Constructor & Destructor Documentation 2365
6.462.2.1 ∼Key 2365
6.462.3 Member Function Documentation 2365
6.462.3.1 getAlgorithm 2365
6.462.3.2 getEncoded 2365
6.462.3.3 getFormat 2365
6.463 decaf::security::KeyException Class Reference 2366
6.463.1 Constructor & Destructor Documentation 2367
6.463.1.1 KeyException 2367
6.463.1.2 KeyException 2367
6.463.1.3 KeyException 2367
6.463.1.4 KeyException 2367
6.463.1.5 KeyException 2367
6.463.1.6 KeyException 2368
6.463.1.7 ∼KeyException 2368
6.463.2 Member Function Documentation 2368
6.463.2.1 clone 2368
6.464 decaf::security::KeyManagementException Class Reference 2368
6.464.1 Constructor & Destructor Documentation 2369
6.464.1.1 KeyManagementException 2369
6.464.1.2 KeyManagementException 2369
6.464.1.3 KeyManagementException 2370
6.464.1.4 KeyManagementException 2370
6.464.1.5 KeyManagementException 2370
6.464.1.6 KeyManagementException 2370
6.464.1.7 ∼KeyManagementException 2371
6.464.2 Member Function Documentation 2371
6.464.2.1 clone 2371
6.465 activemq::commands::LastPartialCommand Class Reference 2371
6.465.1 Constructor & Destructor Documentation 2372
6.465.1.1 LastPartialCommand 2372
6.465.1.2 ∼LastPartialCommand 2372

6.465.2 Member Function Documentation 2372
6.465.2.1 cloneDataStructure 2372
6.465.2.2 copyDataStructure 2372
6.465.2.3 equals 2373
6.465.2.4 getDataStructureType 2373
6.465.2.5 toString 2373
6.465.3 Field Documentation 2373
6.465.3.1 ID_LASTPARTIALCOMMAND 2373
6.466 activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller Class Reference 2374
6.466.1 Detailed Description 2375
6.466.2 Constructor & Destructor Documentation 2375
6.466.2.1 LastPartialCommandMarshaller 2375
6.466.2.2 ∼LastPartialCommandMarshaller 2375
6.466.3 Member Function Documentation 2375
6.466.3.1 createObject 2375
6.466.3.2 getDataStructureType 2375
6.466.3.3 looseMarshal 2375
6.466.3.4 looseUnmarshal 2376
6.466.3.5 tightMarshal1 2376
6.466.3.6 tightMarshal2 2377
6.466.3.7 tightUnmarshal 2377
6.467 activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller Class Reference 2378
6.467.1 Detailed Description 2379
6.467.2 Constructor & Destructor Documentation 2379
6.467.2.1 LastPartialCommandMarshaller 2379
6.467.2.2 ∼LastPartialCommandMarshaller 2379
6.467.3 Member Function Documentation 2379
6.467.3.1 createObject 2379
6.467.3.2 getDataStructureType 2379
6.467.3.3 looseMarshal 2380
6.467.3.4 looseUnmarshal 2380
6.467.3.5 tightMarshal1 2381
6.467.3.6 tightMarshal2 2381
6.467.3.7 tightUnmarshal 2382
6.468 activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller Class Reference 2382
6.468.1 Detailed Description 2383
6.468.2 Constructor & Destructor Documentation 2383
6.468.2.1 LastPartialCommandMarshaller 2383
6.468.2.2 ∼LastPartialCommandMarshaller 2383
6.468.3 Member Function Documentation 2383
6.468.3.1 createObject 2383
6.468.3.2 getDataStructureType 2384
6.468.3.3 looseMarshal 2384
6.468.3.4 looseUnmarshal 2384
6.468.3.5 tightMarshal1 2385
6.468.3.6 tightMarshal2 2385
6.468.3.7 tightUnmarshal 2386

6.469 activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller Class Reference . . . 2386
6.469.1 Detailed Description . . . 2387
6.469.2 Constructor & Destructor Documentation . . . 2388
6.469.2.1 LastPartialCommandMarshaller . . . 2388
6.469.2.2 ∼LastPartialCommandMarshaller . . . 2388
6.469.3 Member Function Documentation . . . 2388
6.469.3.1 createObject . . . 2388
6.469.3.2 getDataStructureType . . . 2388
6.469.3.3 looseMarshal . . . 2388
6.469.3.4 looseUnmarshal . . . 2389
6.469.3.5 tightMarshal1 . . . 2389
6.469.3.6 tightMarshal2 . . . 2390
6.469.3.7 tightUnmarshal . . . 2390
6.470 activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller Class Reference . . . 2391
6.470.1 Detailed Description . . . 2392
6.470.2 Constructor & Destructor Documentation . . . 2392
6.470.2.1 LastPartialCommandMarshaller . . . 2392
6.470.2.2 ∼LastPartialCommandMarshaller . . . 2392
6.470.3 Member Function Documentation . . . 2392
6.470.3.1 createObject . . . 2392
6.470.3.2 getDataStructureType . . . 2392
6.470.3.3 looseMarshal . . . 2393
6.470.3.4 looseUnmarshal . . . 2393
6.470.3.5 tightMarshal1 . . . 2393
6.470.3.6 tightMarshal2 . . . 2394
6.470.3.7 tightUnmarshal . . . 2394
6.471 activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller Class Reference . . . 2395
6.471.1 Detailed Description . . . 2396
6.471.2 Constructor & Destructor Documentation . . . 2396
6.471.2.1 LastPartialCommandMarshaller . . . 2396
6.471.2.2 ∼LastPartialCommandMarshaller . . . 2396
6.471.3 Member Function Documentation . . . 2396
6.471.3.1 createObject . . . 2396
6.471.3.2 getDataStructureType . . . 2397
6.471.3.3 looseMarshal . . . 2397
6.471.3.4 looseUnmarshal . . . 2397
6.471.3.5 tightMarshal1 . . . 2398
6.471.3.6 tightMarshal2 . . . 2398
6.471.3.7 tightUnmarshal . . . 2399
6.472 decaf::util::comparators::Less< E > Class Template Reference . . . 2399
6.472.1 Detailed Description . . . 2400
6.472.2 Constructor & Destructor Documentation . . . 2400
6.472.2.1 Less . . . 2400
6.472.2.2 ∼Less . . . 2400
6.472.3 Member Function Documentation . . . 2400
6.472.3.1 compare . . . 2400
6.472.3.2 operator() . . . 2401

6.473 std::less< decaf::lang::ArrayPointer< T > > Struct Template Reference 2401
6.473.1 Detailed Description 2402
6.473.2 Member Function Documentation 2402
6.473.2.1 operator() 2402
6.474 std::less< decaf::lang::Pointer< T > > Struct Template Reference . . 2402
6.474.1 Detailed Description 2403
6.474.2 Member Function Documentation 2403
6.474.2.1 operator() 2403
6.475 decaf::util::logging::Level Class Reference 2403
6.475.1 Detailed Description 2405
6.475.2 Constructor & Destructor Documentation 2405
6.475.2.1 Level 2405
6.475.2.2 ~Level 2406
6.475.3 Member Function Documentation 2406
6.475.3.1 compareTo 2406
6.475.3.2 equals 2406
6.475.3.3 getName 2406
6.475.3.4 intValue 2406
6.475.3.5 operator< 2406
6.475.3.6 operator== 2406
6.475.3.7 parse 2406
6.475.3.8 toString 2407
6.475.4 Field Documentation 2407
6.475.4.1 ALL 2407
6.475.4.2 CONFIG 2407
6.475.4.3 DEBUG 2407
6.475.4.4 FINE 2407
6.475.4.5 FINER 2408
6.475.4.6 FINEST 2408
6.475.4.7 INFO 2408
6.475.4.8 INHERIT 2408
6.475.4.9 OFF 2408
6.475.4.10 SEVERE 2408
6.475.4.11 WARNING 2408
6.476 decaf::util::List< E > Class Template Reference 2409
6.476.1 Detailed Description 2410
6.476.2 Constructor & Destructor Documentation 2410
6.476.2.1 List 2410
6.476.2.2 ~List 2410
6.476.3 Member Function Documentation 2410
6.476.3.1 add 2410
6.476.3.2 addAll 2411
6.476.3.3 get 2412
6.476.3.4 indexOf 2412
6.476.3.5 lastIndexOf 2413
6.476.3.6 listIterator 2414
6.476.3.7 listIterator 2414
6.476.3.8 listIterator 2414
6.476.3.9 listIterator 2415
6.476.3.10 remove 2415

6.476.3.11set 2416
6.477 decaf::util::ListIterator< E > Class Template Reference 2417
6.477.1 Detailed Description 2417
6.477.2 Constructor & Destructor Documentation 2418
6.477.2.1 ~ListIterator 2418
6.477.3 Member Function Documentation 2418
6.477.3.1 add 2418
6.477.3.2 hasPrevious 2418
6.477.3.3 nextIndex 2419
6.477.3.4 previous 2419
6.477.3.5 previousIndex 2419
6.477.3.6 set 2420
6.478 activemq::commands::LocalTransactionId Class Reference 2420
6.478.1 Member Typedef Documentation 2421
6.478.1.1 COMPARATOR 2421
6.478.2 Constructor & Destructor Documentation 2422
6.478.2.1 LocalTransactionId 2422
6.478.2.2 LocalTransactionId 2422
6.478.2.3 ~LocalTransactionId 2422
6.478.3 Member Function Documentation 2422
6.478.3.1 cloneDataStructure 2422
6.478.3.2 compareTo 2422
6.478.3.3 copyDataStructure 2422
6.478.3.4 equals 2422
6.478.3.5 equals 2423
6.478.3.6 getConnectionId 2423
6.478.3.7 getConnectionId 2423
6.478.3.8 getDataStructureType 2423
6.478.3.9 getValue 2424
6.478.3.10 operator< 2424
6.478.3.11 operator= 2424
6.478.3.12 operator== 2424
6.478.3.13 setConnectionId 2424
6.478.3.14 setValue 2424
6.478.3.15 toString 2424
6.478.4 Field Documentation 2424
6.478.4.1 connectionId 2424
6.478.4.2 ID_LOCALTRANSACTIONID 2424
6.478.4.3 value 2424
6.479 activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller Class Reference 2425
6.479.1 Detailed Description 2426
6.479.2 Constructor & Destructor Documentation 2426
6.479.2.1 LocalTransactionIdMarshaller 2426
6.479.2.2 ~LocalTransactionIdMarshaller 2426
6.479.3 Member Function Documentation 2426
6.479.3.1 createObject 2426
6.479.3.2 getDataStructureType 2426
6.479.3.3 looseMarshal 2426
6.479.3.4 looseUnmarshal 2427

6.479.3.5 tightMarshal1 2427
6.479.3.6 tightMarshal2 2428
6.479.3.7 tightUnmarshal 2428
6.480 activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller Class Reference 2429
6.480.1 Detailed Description 2430
6.480.2 Constructor & Destructor Documentation 2430
6.480.2.1 LocalTransactionIdMarshaller 2430
6.480.2.2 ∼LocalTransactionIdMarshaller 2430
6.480.3 Member Function Documentation 2430
6.480.3.1 createObject 2430
6.480.3.2 getDataStructureType 2430
6.480.3.3 looseMarshal 2431
6.480.3.4 looseUnmarshal 2431
6.480.3.5 tightMarshal1 2432
6.480.3.6 tightMarshal2 2432
6.480.3.7 tightUnmarshal 2433
6.481 activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller Class Reference 2433
6.481.1 Detailed Description 2434
6.481.2 Constructor & Destructor Documentation 2434
6.481.2.1 LocalTransactionIdMarshaller 2434
6.481.2.2 ∼LocalTransactionIdMarshaller 2434
6.481.3 Member Function Documentation 2434
6.481.3.1 createObject 2434
6.481.3.2 getDataStructureType 2435
6.481.3.3 looseMarshal 2435
6.481.3.4 looseUnmarshal 2435
6.481.3.5 tightMarshal1 2436
6.481.3.6 tightMarshal2 2436
6.481.3.7 tightUnmarshal 2437
6.482 activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller Class Reference 2437
6.482.1 Detailed Description 2438
6.482.2 Constructor & Destructor Documentation 2439
6.482.2.1 LocalTransactionIdMarshaller 2439
6.482.2.2 ∼LocalTransactionIdMarshaller 2439
6.482.3 Member Function Documentation 2439
6.482.3.1 createObject 2439
6.482.3.2 getDataStructureType 2439
6.482.3.3 looseMarshal 2439
6.482.3.4 looseUnmarshal 2440
6.482.3.5 tightMarshal1 2440
6.482.3.6 tightMarshal2 2441
6.482.3.7 tightUnmarshal 2441
6.483 activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller Class Reference 2442
6.483.1 Detailed Description 2443
6.483.2 Constructor & Destructor Documentation 2443
6.483.2.1 LocalTransactionIdMarshaller 2443

6.483.2.2 ∼LocalTransactionIdMarshaller 2443
6.483.3 Member Function Documentation 2443
6.483.3.1 createObject 2443
6.483.3.2 getDataStructureType 2443
6.483.3.3 looseMarshal 2443
6.483.3.4 looseUnmarshal 2444
6.483.3.5 tightMarshal1 2444
6.483.3.6 tightMarshal2 2445
6.483.3.7 tightUnmarshal 2445
6.484 activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller Class Reference 2446
6.484.1 Detailed Description 2447
6.484.2 Constructor & Destructor Documentation 2447
6.484.2.1 LocalTransactionIdMarshaller 2447
6.484.2.2 ∼LocalTransactionIdMarshaller 2447
6.484.3 Member Function Documentation 2447
6.484.3.1 createObject 2447
6.484.3.2 getDataStructureType 2447
6.484.3.3 looseMarshal 2448
6.484.3.4 looseUnmarshal 2448
6.484.3.5 tightMarshal1 2449
6.484.3.6 tightMarshal2 2449
6.484.3.7 tightUnmarshal 2450
6.485 decaf::util::concurrent::Lock Class Reference 2450
6.485.1 Detailed Description 2451
6.485.2 Constructor & Destructor Documentation 2451
6.485.2.1 Lock 2451
6.485.2.2 ∼Lock 2451
6.485.3 Member Function Documentation 2451
6.485.3.1 isLocked 2451
6.485.3.2 lock 2451
6.485.3.3 unlock 2451
6.486 decaf::util::concurrent::locks::Lock Class Reference 2452
6.486.1 Detailed Description 2452
6.486.2 Constructor & Destructor Documentation 2454
6.486.2.1 ∼Lock 2454
6.486.3 Member Function Documentation 2454
6.486.3.1 lock 2454
6.486.3.2 lockInterruptibly 2454
6.486.3.3 newCondition 2455
6.486.3.4 tryLock 2456
6.486.3.5 tryLock 2457
6.486.3.6 unlock 2457
6.487 decaf::util::concurrent::locks::LockSupport Class Reference 2458
6.487.1 Detailed Description 2458
6.487.2 Constructor & Destructor Documentation 2459
6.487.2.1 ∼LockSupport 2459
6.487.3 Member Function Documentation 2459
6.487.3.1 park 2459
6.487.3.2 parkNanos 2460

6.487.3.3 parkUntil 2460
6.487.3.4 unpark 2461
6.488 decaf::util::logging::Logger Class Reference 2461
6.488.1 Detailed Description 2464
6.488.2 Constructor & Destructor Documentation 2465
6.488.2.1 Logger 2465
6.488.2.2 ~Logger 2465
6.488.3 Member Function Documentation 2465
6.488.3.1 addHandler 2465
6.488.3.2 config 2466
6.488.3.3 debug 2466
6.488.3.4 entering 2466
6.488.3.5 exiting 2467
6.488.3.6 fine 2467
6.488.3.7 finer 2467
6.488.3.8 finest 2468
6.488.3.9 getAnonymousLogger 2468
6.488.3.10 getFilter 2468
6.488.3.11 getHandlers 2468
6.488.3.12 getLevel 2469
6.488.3.13 getLogger 2469
6.488.3.14 getName 2469
6.488.3.15 getParent 2469
6.488.3.16 getUseParentHandlers 2470
6.488.3.17 info 2470
6.488.3.18 isLoggable 2470
6.488.3.19 log 2470
6.488.3.20 log 2471
6.488.3.21 log 2471
6.488.3.22 log 2471
6.488.3.23 removeHandler 2472
6.488.3.24 setFilter 2472
6.488.3.25 setLevel 2472
6.488.3.26 setParent 2472
6.488.3.27 setUseParentHandlers 2473
6.488.3.28 severe 2473
6.488.3.29 throwing 2473
6.488.3.30 warning 2474
6.489 decaf::util::logging::LoggerHierarchy Class Reference 2474
6.489.1 Constructor & Destructor Documentation 2474
6.489.1.1 LoggerHierarchy 2474
6.489.1.2 ~LoggerHierarchy 2474
6.490 activemq::io::LoggingInputStream Class Reference 2474
6.490.1 Constructor & Destructor Documentation 2475
6.490.1.1 LoggingInputStream 2475
6.490.1.2 ~LoggingInputStream 2475
6.490.2 Member Function Documentation 2475
6.490.2.1 doReadArrayBounded 2475
6.490.2.2 doReadByte 2475
6.491 activemq::io::LoggingOutputStream Class Reference 2476

6.491.1 Detailed Description 2476
6.491.2 Constructor & Destructor Documentation 2476
6.491.2.1 LoggingOutputStream 2476
6.491.2.2 ~LoggingOutputStream 2477
6.491.3 Member Function Documentation 2477
6.491.3.1 doWriteArrayBounded 2477
6.491.3.2 doWriteByte 2477
6.492 activemq::transport::logging::LoggingTransport Class Reference . . . 2477
6.492.1 Detailed Description 2478
6.492.2 Constructor & Destructor Documentation 2478
6.492.2.1 LoggingTransport 2478
6.492.2.2 ~LoggingTransport 2478
6.492.3 Member Function Documentation 2478
6.492.3.1 onCommand 2478
6.492.3.2 oneway 2479
6.492.3.3 request 2479
6.492.3.4 request 2479
6.493 decaf::util::logging::LogManager Class Reference 2480
6.493.1 Detailed Description 2482
6.493.2 Constructor & Destructor Documentation 2483
6.493.2.1 ~LogManager 2483
6.493.2.2 LogManager 2483
6.493.2.3 LogManager 2483
6.493.3 Member Function Documentation 2483
6.493.3.1 addLogger 2483
6.493.3.2 addPropertyChangeListener 2484
6.493.3.3 getLogger 2484
6.493.3.4 getLoggerNames 2484
6.493.3.5 getLogManager 2485
6.493.3.6 getProperties 2485
6.493.3.7 getProperty 2485
6.493.3.8 operator= 2485
6.493.3.9 readConfiguration 2485
6.493.3.10 readConfiguration 2486
6.493.3.11 removePropertyChangeListener 2486
6.493.3.12 reset 2486
6.493.3.13 setProperties 2487
6.493.4 Friends And Related Function Documentation 2487
6.493.4.1 decaf::lang::Runtime 2487
6.494 decaf::util::logging::LogRecord Class Reference 2487
6.494.1 Detailed Description 2489
6.494.2 Constructor & Destructor Documentation 2489
6.494.2.1 LogRecord 2489
6.494.2.2 ~LogRecord 2489
6.494.3 Member Function Documentation 2489
6.494.3.1 getLevel 2489
6.494.3.2 getLoggerName 2489
6.494.3.3 getMessage 2489
6.494.3.4 getSourceFile 2490
6.494.3.5 getSourceFunction 2490

6.494.3.6 getSourceLine 2490
6.494.3.7 getThrown 2490
6.494.3.8 getTimestamp 2490
6.494.3.9 getTreadId 2491
6.494.3.10 setLevel 2491
6.494.3.11 setLoggerName 2491
6.494.3.12 setMessage 2491
6.494.3.13 setSourceFile 2491
6.494.3.14 setSourceFunction 2492
6.494.3.15 setSourceLine 2492
6.494.3.16 setThrown 2492
6.494.3.17 setTimestamp 2492
6.494.3.18 setTreadId 2492
6.495 decaf::util::logging::LogWriter Class Reference 2493
6.495.1 Constructor & Destructor Documentation 2494
6.495.1.1 LogWriter 2494
6.495.1.2 ∼LogWriter 2494
6.495.2 Member Function Documentation 2494
6.495.2.1 destroy 2494
6.495.2.2 getInstance 2494
6.495.2.3 log 2494
6.495.2.4 log 2494
6.495.2.5 returnInstance 2494
6.496 decaf::lang::Long Class Reference 2495
6.496.1 Constructor & Destructor Documentation 2498
6.496.1.1 Long 2498
6.496.1.2 Long 2498
6.496.1.3 ∼Long 2498
6.496.2 Member Function Documentation 2498
6.496.2.1 bitCount 2498
6.496.2.2 byteValue 2499
6.496.2.3 compareTo 2499
6.496.2.4 compareTo 2499
6.496.2.5 decode 2500
6.496.2.6 doubleValue 2500
6.496.2.7 equals 2500
6.496.2.8 equals 2501
6.496.2.9 floatValue 2501
6.496.2.10 highestOneBit 2501
6.496.2.11 intValue 2501
6.496.2.12 longValue 2502
6.496.2.13 lowestOneBit 2502
6.496.2.14 numberOfLeadingZeros 2502
6.496.2.15 numberOfTrailingZeros 2503
6.496.2.16 operator< 2503
6.496.2.17 operator< 2503
6.496.2.18 operator== 2504
6.496.2.19 operator== 2504
6.496.2.20 parseLong 2504
6.496.2.21 parseLong 2505

6.496.2.22 reverse 2505
6.496.2.23 reverseBytes 2506
6.496.2.24 rotateLeft 2506
6.496.2.25 rotateRight 2506
6.496.2.26 shortValue 2507
6.496.2.27 signum 2507
6.496.2.28 toBinaryString 2507
6.496.2.29 toHexString 2508
6.496.2.30 toOctalString 2508
6.496.2.31 toString 2509
6.496.2.32 toString 2509
6.496.2.33 toString 2509
6.496.2.34 valueOf 2509
6.496.2.35 valueOf 2509
6.496.2.36 valueOf 2510
6.496.3 Field Documentation 2510
6.496.3.1 MAX_VALUE 2510
6.496.3.2 MIN_VALUE 2510
6.496.3.3 SIZE 2510
6.497 decaf::internal::nio::LongArrayBuffer Class Reference 2511
6.497.1 Constructor & Destructor Documentation 2515
6.497.1.1 LongArrayBuffer 2515
6.497.1.2 LongArrayBuffer 2515
6.497.1.3 LongArrayBuffer 2516
6.497.1.4 LongArrayBuffer 2516
6.497.1.5 ~LongArrayBuffer 2517
6.497.2 Member Function Documentation 2517
6.497.2.1 array 2517
6.497.2.2 arrayOffset 2517
6.497.2.3 asReadOnlyBuffer 2518
6.497.2.4 compact 2518
6.497.2.5 duplicate 2519
6.497.2.6 get 2519
6.497.2.7 get 2519
6.497.2.8 hasArray 2520
6.497.2.9 isReadOnly 2520
6.497.2.10 put 2520
6.497.2.11 put 2521
6.497.2.12 setReadOnly 2521
6.497.2.13 slice 2522
6.498 decaf::nio::LongBuffer Class Reference 2522
6.498.1 Detailed Description 2524
6.498.2 Constructor & Destructor Documentation 2525
6.498.2.1 LongBuffer 2525
6.498.2.2 ~LongBuffer 2525
6.498.3 Member Function Documentation 2525
6.498.3.1 allocate 2525
6.498.3.2 array 2526
6.498.3.3 arrayOffset 2526
6.498.3.4 asReadOnlyBuffer 2527

6.498.3.5 compact 2527
6.498.3.6 compareTo 2528
6.498.3.7 duplicate 2528
6.498.3.8 equals 2528
6.498.3.9 get 2528
6.498.3.10 get 2528
6.498.3.11 get 2529
6.498.3.12 get 2530
6.498.3.13 hasArray 2530
6.498.3.14 operator< 2530
6.498.3.15 operator== 2530
6.498.3.16 put 2530
6.498.3.17 put 2531
6.498.3.18 put 2531
6.498.3.19 put 2532
6.498.3.20 put 2533
6.498.3.21 slice 2533
6.498.3.22 toString 2534
6.498.3.23 wrap 2534
6.498.3.24 wrap 2534
6.499 activemq::util::LongSequenceGenerator Class Reference 2535
6.499.1 Detailed Description 2535
6.499.2 Constructor & Destructor Documentation 2535
6.499.2.1 LongSequenceGenerator 2535
6.499.2.2 ∼LongSequenceGenerator 2535
6.499.3 Member Function Documentation 2535
6.499.3.1 getLastSequenceId 2535
6.499.3.2 getNextSequenceId 2536
6.500 decaf::net::MalformedURLException Class Reference 2536
6.500.1 Constructor & Destructor Documentation 2537
6.500.1.1 MalformedURLException 2537
6.500.1.2 MalformedURLException 2537
6.500.1.3 MalformedURLException 2537
6.500.1.4 MalformedURLException 2537
6.500.1.5 MalformedURLException 2537
6.500.1.6 MalformedURLException 2538
6.500.1.7 ∼MalformedURLException 2538
6.500.2 Member Function Documentation 2538
6.500.2.1 clone 2538
6.501 decaf::util::Map< K, V, COMPARATOR > Class Template Reference 2538
6.501.1 Detailed Description 2540
6.501.2 Constructor & Destructor Documentation 2540
6.501.2.1 Map 2540
6.501.2.2 ∼Map 2540
6.501.3 Member Function Documentation 2540
6.501.3.1 clear 2540
6.501.3.2 containsKey 2541
6.501.3.3 containsValue 2542
6.501.3.4 copy 2543
6.501.3.5 equals 2543

6.501.3.6 get 2543
6.501.3.7 get 2544
6.501.3.8 isEmpty 2545
6.501.3.9 keySet 2546
6.501.3.10 put 2547
6.501.3.11 putAll 2548
6.501.3.12 remove 2548
6.501.3.13 size 2549
6.501.3.14 values 2550
6.502 cms::MapMessage Class Reference 2551
6.502.1 Detailed Description 2553
6.502.2 Constructor & Destructor Documentation 2554
6.502.2.1 ~MapMessage 2554
6.502.3 Member Function Documentation 2554
6.502.3.1 getBoolean 2554
6.502.3.2 getByte 2554
6.502.3.3 getBytes 2555
6.502.3.4 getChar 2555
6.502.3.5 getDouble 2555
6.502.3.6 getFloat 2556
6.502.3.7 getInt 2556
6.502.3.8 getLong 2557
6.502.3.9 getMapNames 2557
6.502.3.10 getShort 2557
6.502.3.11 getString 2558
6.502.3.12 itemExists 2558
6.502.3.13 setBoolean 2559
6.502.3.14 setByte 2559
6.502.3.15 setBytes 2559
6.502.3.16 setChar 2560
6.502.3.17 setDouble 2560
6.502.3.18 setFloat 2561
6.502.3.19 setInt 2561
6.502.3.20 setLong 2562
6.502.3.21 setShort 2562
6.502.3.22 setString 2562
6.503 decaf::util::logging::MarkBlockLogger Class Reference 2563
6.503.1 Detailed Description 2563
6.503.2 Constructor & Destructor Documentation 2563
6.503.2.1 MarkBlockLogger 2563
6.503.2.2 ~MarkBlockLogger 2564
6.504 activemq::wireformat::MarshalAware Class Reference 2564
6.504.1 Constructor & Destructor Documentation 2565
6.504.1.1 ~MarshalAware 2565
6.504.2 Member Function Documentation 2565
6.504.2.1 afterMarshal 2565
6.504.2.2 afterUnmarshal 2565
6.504.2.3 beforeMarshal 2565
6.504.2.4 beforeUnmarshal 2566
6.504.2.5 getMarshaledForm 2566

6.504.2.6 isMarshalAware 2566
6.504.2.7 setMarshaledForm 2566
6.505 activemq::wireformat::openwire::marshal::v6::MarshallerFactory Class Reference 2567
6.505.1 Detailed Description 2567
6.505.2 Constructor & Destructor Documentation 2567
6.505.2.1 ∼MarshallerFactory 2567
6.505.3 Member Function Documentation 2567
6.505.3.1 configure 2567
6.506 activemq::wireformat::openwire::marshal::v3::MarshallerFactory Class Reference 2567
6.506.1 Detailed Description 2568
6.506.2 Constructor & Destructor Documentation 2568
6.506.2.1 ∼MarshallerFactory 2568
6.506.3 Member Function Documentation 2568
6.506.3.1 configure 2568
6.507 activemq::wireformat::openwire::marshal::v4::MarshallerFactory Class Reference 2568
6.507.1 Detailed Description 2568
6.507.2 Constructor & Destructor Documentation 2569
6.507.2.1 ∼MarshallerFactory 2569
6.507.3 Member Function Documentation 2569
6.507.3.1 configure 2569
6.508 activemq::wireformat::openwire::marshal::v5::MarshallerFactory Class Reference 2569
6.508.1 Detailed Description 2569
6.508.2 Constructor & Destructor Documentation 2569
6.508.2.1 ∼MarshallerFactory 2569
6.508.3 Member Function Documentation 2569
6.508.3.1 configure 2569
6.509 activemq::wireformat::openwire::marshal::v1::MarshallerFactory Class Reference 2570
6.509.1 Detailed Description 2570
6.509.2 Constructor & Destructor Documentation 2570
6.509.2.1 ∼MarshallerFactory 2570
6.509.3 Member Function Documentation 2570
6.509.3.1 configure 2570
6.510 activemq::wireformat::openwire::marshal::v2::MarshallerFactory Class Reference 2570
6.510.1 Detailed Description 2571
6.510.2 Constructor & Destructor Documentation 2571
6.510.2.1 ∼MarshallerFactory 2571
6.510.3 Member Function Documentation 2571
6.510.3.1 configure 2571
6.511 activemq::util::MarshallingSupport Class Reference 2571
6.511.1 Constructor & Destructor Documentation 2572
6.511.1.1 MarshallingSupport 2572
6.511.1.2 ∼MarshallingSupport 2572
6.511.2 Member Function Documentation 2572
6.511.2.1 asciiToModifiedUtf8 2572

6.511.2.2 modifiedUtf8ToAscii 2573
6.511.2.3 readString16 2573
6.511.2.4 readString32 2574
6.511.2.5 writeString 2574
6.511.2.6 writeString16 2574
6.511.2.7 writeString32 2575
6.512 decaf::lang::Math Class Reference 2575
6.512.1 Detailed Description 2577
6.512.2 Constructor & Destructor Documentation 2578
6.512.2.1 Math 2578
6.512.2.2 ∼Math 2578
6.512.3 Member Function Documentation 2578
6.512.3.1 abs 2578
6.512.3.2 abs 2578
6.512.3.3 abs 2578
6.512.3.4 abs 2579
6.512.3.5 ceil 2579
6.512.3.6 floor 2580
6.512.3.7 max 2581
6.512.3.8 max 2581
6.512.3.9 max 2581
6.512.3.10 max 2582
6.512.3.11 max 2582
6.512.3.12 min 2582
6.512.3.13 min 2583
6.512.3.14 min 2583
6.512.3.15 min 2583
6.512.3.16 min 2584
6.512.3.17 min 2584
6.512.3.18 pow 2585
6.512.3.19 random 2585
6.512.3.20 round 2586
6.512.3.21 lround 2586
6.512.3.22 signum 2587
6.512.3.23 signum 2587
6.512.3.24 sqrt 2588
6.512.3.25 toDegrees 2592
6.512.3.26 toRadians 2592
6.512.4 Field Documentation 2592
6.512.4.1 E 2592
6.512.4.2 PI 2592
6.513 activemq::util::MemoryUsage Class Reference 2592
6.513.1 Constructor & Destructor Documentation 2593
6.513.1.1 MemoryUsage 2593
6.513.1.2 MemoryUsage 2594
6.513.1.3 ∼MemoryUsage 2594
6.513.2 Member Function Documentation 2594
6.513.2.1 decreaseUsage 2594
6.513.2.2 enqueueUsage 2594
6.513.2.3 getLimit 2594

6.513.2.4 getUsage 2594
6.513.2.5 increaseUsage 2595
6.513.2.6 isFull 2595
6.513.2.7 setLimit 2595
6.513.2.8 setUsage 2595
6.513.2.9 waitForSpace 2595
6.513.2.10 waitForSpace 2596
6.514 activemq::commands::Message Class Reference 2596
6.514.1 Constructor & Destructor Documentation 2601
6.514.1.1 Message 2601
6.514.1.2 ∼Message 2601
6.514.2 Member Function Documentation 2601
6.514.2.1 afterUnmarshal 2601
6.514.2.2 beforeMarshal 2601
6.514.2.3 cloneDataStructure 2601
6.514.2.4 copyDataStructure 2602
6.514.2.5 equals 2602
6.514.2.6 getAckHandler 2603
6.514.2.7 getArrival 2603
6.514.2.8 getBrokerInTime 2603
6.514.2.9 getBrokerOutTime 2603
6.514.2.10 getBrokerPath 2603
6.514.2.11 getBrokerPath 2603
6.514.2.12 getCluster 2603
6.514.2.13 getCluster 2603
6.514.2.14 getConnection 2603
6.514.2.15 getContent 2604
6.514.2.16 getContent 2604
6.514.2.17 getCorrelationId 2604
6.514.2.18 getCorrelationId 2604
6.514.2.19 getDataStructure 2604
6.514.2.20 getDataStructure 2604
6.514.2.21 getDataStructureType 2604
6.514.2.22 getDestination 2605
6.514.2.23 getDestination 2605
6.514.2.24 getExpiration 2605
6.514.2.25 getGroupID 2605
6.514.2.26 getGroupID 2605
6.514.2.27 getGroupSequence 2605
6.514.2.28 getMarshalledProperties 2605
6.514.2.29 getMarshalledProperties 2605
6.514.2.30 getMessageId 2605
6.514.2.31 getMessageId 2605
6.514.2.32 getMessageProperties 2605
6.514.2.33 getMessageProperties 2606
6.514.2.34 getOriginalDestination 2606
6.514.2.35 getOriginalDestination 2606
6.514.2.36 getOriginalTransactionId 2606
6.514.2.37 getOriginalTransactionId 2606
6.514.2.38 getPriority 2606

6.514.2.39 getProducerId 2606
6.514.2.40 getProducerId 2606
6.514.2.41 getRedeliveryCounter 2606
6.514.2.42 getReplyTo 2606
6.514.2.43 getReplyTo 2606
6.514.2.44 getSize 2606
6.514.2.45 getTargetConsumerId 2607
6.514.2.46 getTargetConsumerId 2607
6.514.2.47 getTimestamp 2607
6.514.2.48 getTransactionId 2607
6.514.2.49 getTransactionId 2607
6.514.2.50 getType 2607
6.514.2.51 getType 2607
6.514.2.52 getUserID 2607
6.514.2.53 getUserID 2607
6.514.2.54 isCompressed 2607
6.514.2.55 isDroppable 2607
6.514.2.56 isExpired 2607
6.514.2.57 isMarshalAware 2607
6.514.2.58 isMessage 2608
6.514.2.59 isPersistent 2608
6.514.2.60 isReadOnlyBody 2608
6.514.2.61 isReadOnlyProperties 2608
6.514.2.62 isRecievedByDFBridge 2608
6.514.2.63 onSend 2608
6.514.2.64 setAckHandler 2609
6.514.2.65 setArrival 2609
6.514.2.66 setBrokerInTime 2609
6.514.2.67 setBrokerOutTime 2609
6.514.2.68 setBrokerPath 2609
6.514.2.69 setCluster 2609
6.514.2.70 setCompressed 2609
6.514.2.71 setConnection 2609
6.514.2.72 setContent 2610
6.514.2.73 setCorrelationId 2610
6.514.2.74 setDataStructure 2610
6.514.2.75 setDestination 2610
6.514.2.76 setDroppable 2610
6.514.2.77 setExpiration 2610
6.514.2.78 setGroupID 2610
6.514.2.79 setGroupSequence 2610
6.514.2.80 setMarshalledProperties 2610
6.514.2.81 setMessageId 2610
6.514.2.82 setOriginalDestination 2610
6.514.2.83 setOriginalTransactionId 2610
6.514.2.84 setPersistent 2610
6.514.2.85 setPriority 2610
6.514.2.86 setProducerId 2610
6.514.2.87 setReadOnlyBody 2610
6.514.2.88 setReadOnlyProperties 2611

6.514.2.89 setRecievedByDFBridge 2611
6.514.2.90 setRedeliveryCounter 2611
6.514.2.91 setReplyTo 2611
6.514.2.92 setTargetConsumerId 2611
6.514.2.93 setTimestamp 2611
6.514.2.94 setTransactionId 2611
6.514.2.95 setType 2611
6.514.2.96 setUserID 2611
6.514.2.97 toString 2611
6.514.2.98 visit 2612
6.514.3 Field Documentation 2613
6.514.3.1 arrival 2613
6.514.3.2 brokerInTime 2613
6.514.3.3 brokerOutTime 2613
6.514.3.4 brokerPath 2613
6.514.3.5 cluster 2613
6.514.3.6 compressed 2613
6.514.3.7 connection 2613
6.514.3.8 content 2613
6.514.3.9 correlationId 2613
6.514.3.10 dataStructure 2613
6.514.3.11 DEFAULT_MESSAGE_SIZE 2613
6.514.3.12 destination 2613
6.514.3.13 droppable 2613
6.514.3.14 expiration 2613
6.514.3.15 groupID 2613
6.514.3.16 groupSequence 2613
6.514.3.17 ID_MESSAGE 2613
6.514.3.18 marshalledProperties 2613
6.514.3.19 messageId 2613
6.514.3.20 originalDestination 2613
6.514.3.21 originalTransactionId 2613
6.514.3.22 persistent 2613
6.514.3.23 priority 2613
6.514.3.24 producerId 2613
6.514.3.25 recievedByDFBridge 2613
6.514.3.26 redeliveryCounter 2613
6.514.3.27 replyTo 2613
6.514.3.28 targetConsumerId 2613
6.514.3.29 timestamp 2613
6.514.3.30 transactionId 2613
6.514.3.31 type 2613
6.514.3.32 userID 2613
6.515 cms::Message Class Reference 2614
6.515.1 Detailed Description 2617
6.515.2 Constructor & Destructor Documentation 2619
6.515.2.1 ~Message 2619
6.515.3 Member Function Documentation 2619
6.515.3.1 acknowledge 2619
6.515.3.2 clearBody 2619

6.515.3.3 clearProperties 2620
6.515.3.4 clone 2620
6.515.3.5 getBooleanProperty 2621
6.515.3.6 getByteProperty 2621
6.515.3.7 getCMSCorrelationID 2622
6.515.3.8 getCMSDeliveryMode 2622
6.515.3.9 getCMSDestination 2623
6.515.3.10 getCMSExpiration 2623
6.515.3.11 getCMSMessageID 2624
6.515.3.12 getCMSPriority 2625
6.515.3.13 getCMSRedelivered 2625
6.515.3.14 getCMSReplyTo 2626
6.515.3.15 getCMSTimestamp 2626
6.515.3.16 getCMSType 2627
6.515.3.17 getDoubleProperty 2628
6.515.3.18 getFloatProperty 2628
6.515.3.19 getIntProperty 2629
6.515.3.20 getLongProperty 2629
6.515.3.21 getPropertyNames 2630
6.515.3.22 getShortProperty 2631
6.515.3.23 getStringProperty 2631
6.515.3.24 propertyExists 2632
6.515.3.25 setBooleanProperty 2632
6.515.3.26 setByteProperty 2633
6.515.3.27 setCMSCorrelationID 2633
6.515.3.28 setCMSDeliveryMode 2634
6.515.3.29 setCMSDestination 2635
6.515.3.30 setCMSExpiration 2635
6.515.3.31 setCMSMessageID 2636
6.515.3.32 setCMSPriority 2636
6.515.3.33 setCMSRedelivered 2637
6.515.3.34 setCMSReplyTo 2637
6.515.3.35 setCMSTimestamp 2638
6.515.3.36 setCMSType 2638
6.515.3.37 setDoubleProperty 2639
6.515.3.38 setFloatProperty 2640
6.515.3.39 setIntProperty 2640
6.515.3.40 setLongProperty 2641
6.515.3.41 setShortProperty 2641
6.515.3.42 setStringProperty 2642
6.516 activemq::commands::MessageAck Class Reference 2643
6.516.1 Constructor & Destructor Documentation 2644
6.516.1.1 MessageAck 2644
6.516.1.2 ~MessageAck 2644
6.516.2 Member Function Documentation 2644
6.516.2.1 cloneDataStructure 2644
6.516.2.2 copyDataStructure 2645
6.516.2.3 equals 2645
6.516.2.4 getAckType 2645
6.516.2.5 getConsumerId 2645

6.516.2.6 getConsumerId 2645
6.516.2.7 getDataStructureType 2645
6.516.2.8 getDestination 2646
6.516.2.9 getDestination 2646
6.516.2.10 getFirstMessageId 2646
6.516.2.11 getFirstMessageId 2646
6.516.2.12 getLastMessageId 2646
6.516.2.13 getLastMessageId 2646
6.516.2.14 getMessageCount 2646
6.516.2.15 getTransactionId 2646
6.516.2.16 getTransactionId 2646
6.516.2.17 isMessageAck 2646
6.516.2.18 setAckType 2647
6.516.2.19 setConsumerId 2647
6.516.2.20 setDestination 2647
6.516.2.21 setFirstMessageId 2647
6.516.2.22 setLastMessageId 2647
6.516.2.23 setMessageCount 2647
6.516.2.24 setTransactionId 2647
6.516.2.25 toString 2647
6.516.2.26 visit 2647
6.516.3 Field Documentation 2648
6.516.3.1 ackType 2648
6.516.3.2 consumerId 2648
6.516.3.3 destination 2648
6.516.3.4 firstMessageId 2648
6.516.3.5 ID_MESSAGEACK 2648
6.516.3.6 lastMessageId 2648
6.516.3.7 messageCount 2648
6.516.3.8 transactionId 2648
6.517 activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller Class Reference 2648
6.517.1 Detailed Description 2649
6.517.2 Constructor & Destructor Documentation 2650
6.517.2.1 MessageAckMarshaller 2650
6.517.2.2 ~MessageAckMarshaller 2650
6.517.3 Member Function Documentation 2650
6.517.3.1 createObject 2650
6.517.3.2 getDataStructureType 2650
6.517.3.3 looseMarshal 2650
6.517.3.4 looseUnmarshal 2651
6.517.3.5 tightMarshal1 2651
6.517.3.6 tightMarshal2 2652
6.517.3.7 tightUnmarshal 2652
6.518 activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller Class Reference 2653
6.518.1 Detailed Description 2654
6.518.2 Constructor & Destructor Documentation 2654
6.518.2.1 MessageAckMarshaller 2654
6.518.2.2 ~MessageAckMarshaller 2654

6.518.3 Member Function Documentation 2654
6.518.3.1 createObject 2654
6.518.3.2 getDataStructureType 2654
6.518.3.3 looseMarshal 2654
6.518.3.4 looseUnmarshal 2655
6.518.3.5 tightMarshal1 2655
6.518.3.6 tightMarshal2 2656
6.518.3.7 tightUnmarshal 2656
6.519 activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller Class Reference 2657
6.519.1 Detailed Description 2658
6.519.2 Constructor & Destructor Documentation 2658
6.519.2.1 MessageAckMarshaller 2658
6.519.2.2 ∼MessageAckMarshaller 2658
6.519.3 Member Function Documentation 2658
6.519.3.1 createObject 2658
6.519.3.2 getDataStructureType 2658
6.519.3.3 looseMarshal 2659
6.519.3.4 looseUnmarshal 2659
6.519.3.5 tightMarshal1 2660
6.519.3.6 tightMarshal2 2660
6.519.3.7 tightUnmarshal 2661
6.520 activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller Class Reference 2661
6.520.1 Detailed Description 2662
6.520.2 Constructor & Destructor Documentation 2662
6.520.2.1 MessageAckMarshaller 2662
6.520.2.2 ∼MessageAckMarshaller 2662
6.520.3 Member Function Documentation 2662
6.520.3.1 createObject 2662
6.520.3.2 getDataStructureType 2663
6.520.3.3 looseMarshal 2663
6.520.3.4 looseUnmarshal 2663
6.520.3.5 tightMarshal1 2664
6.520.3.6 tightMarshal2 2664
6.520.3.7 tightUnmarshal 2665
6.521 activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller Class Reference 2665
6.521.1 Detailed Description 2666
6.521.2 Constructor & Destructor Documentation 2667
6.521.2.1 MessageAckMarshaller 2667
6.521.2.2 ∼MessageAckMarshaller 2667
6.521.3 Member Function Documentation 2667
6.521.3.1 createObject 2667
6.521.3.2 getDataStructureType 2667
6.521.3.3 looseMarshal 2667
6.521.3.4 looseUnmarshal 2668
6.521.3.5 tightMarshal1 2668
6.521.3.6 tightMarshal2 2669
6.521.3.7 tightUnmarshal 2669

6.522 activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller Class Reference . . . 2670
6.522.1 Detailed Description . . . 2671
6.522.2 Constructor & Destructor Documentation . . . 2671
6.522.2.1 MessageAckMarshaller . . . 2671
6.522.2.2 ~MessageAckMarshaller . . . 2671
6.522.3 Member Function Documentation . . . 2671
6.522.3.1 createObject . . . 2671
6.522.3.2 getDataStructureType . . . 2671
6.522.3.3 looseMarshal . . . 2671
6.522.3.4 looseUnmarshal . . . 2672
6.522.3.5 tightMarshal1 . . . 2672
6.522.3.6 tightMarshal2 . . . 2673
6.522.3.7 tightUnmarshal . . . 2673
6.523 cms::MessageConsumer Class Reference . . . 2674
6.523.1 Detailed Description . . . 2675
6.523.2 Constructor & Destructor Documentation . . . 2675
6.523.2.1 ~MessageConsumer . . . 2675
6.523.3 Member Function Documentation . . . 2675
6.523.3.1 getMessageListener . . . 2675
6.523.3.2 getMessageSelector . . . 2676
6.523.3.3 receive . . . 2676
6.523.3.4 receive . . . 2676
6.523.3.5 receiveNoWait . . . 2677
6.523.3.6 setMessageListener . . . 2677
6.524 activemq::cmsutil::MessageCreator Class Reference . . . 2677
6.524.1 Detailed Description . . . 2678
6.524.2 Constructor & Destructor Documentation . . . 2678
6.524.2.1 ~MessageCreator . . . 2678
6.524.3 Member Function Documentation . . . 2678
6.524.3.1 createMessage . . . 2678
6.525 activemq::commands::MessageDispatch Class Reference . . . 2678
6.525.1 Constructor & Destructor Documentation . . . 2680
6.525.1.1 MessageDispatch . . . 2680
6.525.1.2 ~MessageDispatch . . . 2680
6.525.2 Member Function Documentation . . . 2680
6.525.2.1 cloneDataStructure . . . 2680
6.525.2.2 copyDataStructure . . . 2680
6.525.2.3 equals . . . 2680
6.525.2.4 getConsumerId . . . 2681
6.525.2.5 getConsumerId . . . 2681
6.525.2.6 getDataStructureType . . . 2681
6.525.2.7 getDestination . . . 2681
6.525.2.8 getDestination . . . 2681
6.525.2.9 getMessage . . . 2681
6.525.2.10 getMessage . . . 2681
6.525.2.11 getRedeliveryCounter . . . 2681
6.525.2.12 isMessageDispatch . . . 2681
6.525.2.13 setConsumerId . . . 2682
6.525.2.14 setDestination . . . 2682

6.525.2.15 setMessage 2682
6.525.2.16 setRedeliveryCounter 2682
6.525.2.17 toString 2682
6.525.2.18 visit 2682
6.525.3 Field Documentation 2683
6.525.3.1 consumerId 2683
6.525.3.2 destination 2683
6.525.3.3 ID_MESSAGEDISPATCH 2683
6.525.3.4 message 2683
6.525.3.5 redeliveryCounter 2683
6.526 activemq::core::MessageDispatchChannel Class Reference 2683
6.526.1 Constructor & Destructor Documentation 2685
6.526.1.1 MessageDispatchChannel 2685
6.526.1.2 ~MessageDispatchChannel 2685
6.526.2 Member Function Documentation 2685
6.526.2.1 clear 2685
6.526.2.2 close 2685
6.526.2.3 dequeue 2685
6.526.2.4 dequeueNoWait 2686
6.526.2.5 enqueue 2686
6.526.2.6 enqueueFirst 2686
6.526.2.7 isClosed 2686
6.526.2.8 isEmpty 2686
6.526.2.9 isRunning 2686
6.526.2.10 lock 2687
6.526.2.11 notify 2687
6.526.2.12 notifyAll 2687
6.526.2.13 peek 2688
6.526.2.14 removeAll 2688
6.526.2.15 size 2688
6.526.2.16 start 2688
6.526.2.17 stop 2688
6.526.2.18 tryLock 2688
6.526.2.19 unlock 2689
6.526.2.20 wait 2689
6.526.2.21 wait 2689
6.526.2.22 wait 2690
6.527 activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller Class Reference 2690
6.527.1 Detailed Description 2691
6.527.2 Constructor & Destructor Documentation 2692
6.527.2.1 MessageDispatchMarshaller 2692
6.527.2.2 ~MessageDispatchMarshaller 2692
6.527.3 Member Function Documentation 2692
6.527.3.1 createObject 2692
6.527.3.2 getDataStructureType 2692
6.527.3.3 looseMarshal 2692
6.527.3.4 looseUnmarshal 2693
6.527.3.5 tightMarshal1 2693
6.527.3.6 tightMarshal2 2694

6.527.3.7 tightUnmarshal 2694
6.528 activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller Class Reference 2695
6.528.1 Detailed Description 2696
6.528.2 Constructor & Destructor Documentation 2696
6.528.2.1 MessageDispatchMarshaller 2696
6.528.2.2 ∼MessageDispatchMarshaller 2696
6.528.3 Member Function Documentation 2696
6.528.3.1 createObject 2696
6.528.3.2 getDataStructureType 2696
6.528.3.3 looseMarshal 2696
6.528.3.4 looseUnmarshal 2697
6.528.3.5 tightMarshal1 2697
6.528.3.6 tightMarshal2 2698
6.528.3.7 tightUnmarshal 2698
6.529 activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller Class Reference 2699
6.529.1 Detailed Description 2700
6.529.2 Constructor & Destructor Documentation 2700
6.529.2.1 MessageDispatchMarshaller 2700
6.529.2.2 ∼MessageDispatchMarshaller 2700
6.529.3 Member Function Documentation 2700
6.529.3.1 createObject 2700
6.529.3.2 getDataStructureType 2700
6.529.3.3 looseMarshal 2701
6.529.3.4 looseUnmarshal 2701
6.529.3.5 tightMarshal1 2702
6.529.3.6 tightMarshal2 2702
6.529.3.7 tightUnmarshal 2703
6.530 activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller Class Reference 2703
6.530.1 Detailed Description 2704
6.530.2 Constructor & Destructor Documentation 2704
6.530.2.1 MessageDispatchMarshaller 2704
6.530.2.2 ∼MessageDispatchMarshaller 2704
6.530.3 Member Function Documentation 2704
6.530.3.1 createObject 2704
6.530.3.2 getDataStructureType 2705
6.530.3.3 looseMarshal 2705
6.530.3.4 looseUnmarshal 2705
6.530.3.5 tightMarshal1 2706
6.530.3.6 tightMarshal2 2706
6.530.3.7 tightUnmarshal 2707
6.531 activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller Class Reference 2707
6.531.1 Detailed Description 2708
6.531.2 Constructor & Destructor Documentation 2709
6.531.2.1 MessageDispatchMarshaller 2709
6.531.2.2 ∼MessageDispatchMarshaller 2709
6.531.3 Member Function Documentation 2709

6.531.3.1 createObject 2709
6.531.3.2 getDataStructureType 2709
6.531.3.3 looseMarshal 2709
6.531.3.4 looseUnmarshal 2710
6.531.3.5 tightMarshal1 2710
6.531.3.6 tightMarshal2 2711
6.531.3.7 tightUnmarshal 2711
6.532 activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller Class Reference 2712
6.532.1 Detailed Description 2713
6.532.2 Constructor & Destructor Documentation 2713
6.532.2.1 MessageDispatchMarshaller 2713
6.532.2.2 ∼MessageDispatchMarshaller 2713
6.532.3 Member Function Documentation 2713
6.532.3.1 createObject 2713
6.532.3.2 getDataStructureType 2713
6.532.3.3 looseMarshal 2713
6.532.3.4 looseUnmarshal 2714
6.532.3.5 tightMarshal1 2714
6.532.3.6 tightMarshal2 2715
6.532.3.7 tightUnmarshal 2715
6.533 activemq::commands::MessageDispatchNotification Class Reference . 2716
6.533.1 Constructor & Destructor Documentation 2717
6.533.1.1 MessageDispatchNotification 2717
6.533.1.2 ∼MessageDispatchNotification 2717
6.533.2 Member Function Documentation 2717
6.533.2.1 cloneDataStructure 2717
6.533.2.2 copyDataStructure 2718
6.533.2.3 equals 2718
6.533.2.4 getConsumerId 2718
6.533.2.5 getConsumerId 2718
6.533.2.6 getDataStructureType 2718
6.533.2.7 getDeliverySequenceId 2719
6.533.2.8 getDestination 2719
6.533.2.9 getDestination 2719
6.533.2.10 getMessageId 2719
6.533.2.11 getMessageId 2719
6.533.2.12 isMessageDispatchNotification 2719
6.533.2.13 setConsumerId 2719
6.533.2.14 setDeliverySequenceId 2719
6.533.2.15 setDestination 2719
6.533.2.16 setMessageId 2719
6.533.2.17 toString 2719
6.533.2.18 visit 2720
6.533.3 Field Documentation 2720
6.533.3.1 consumerId 2720
6.533.3.2 deliverySequenceId 2720
6.533.3.3 destination 2720
6.533.3.4 ID_MESSAGEDISPATCHNOTIFICATION 2720
6.533.3.5 messageId 2720

6.534 activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller Class Reference . . . 2720
6.534.1 Detailed Description . . . 2721
6.534.2 Constructor & Destructor Documentation . . . 2722
6.534.2.1 MessageDispatchNotificationMarshaller . . . 2722
6.534.2.2 ∼MessageDispatchNotificationMarshaller . . . 2722
6.534.3 Member Function Documentation . . . 2722
6.534.3.1 createObject . . . 2722
6.534.3.2 getDataStructureType . . . 2722
6.534.3.3 looseMarshal . . . 2722
6.534.3.4 looseUnmarshal . . . 2723
6.534.3.5 tightMarshal1 . . . 2723
6.534.3.6 tightMarshal2 . . . 2724
6.534.3.7 tightUnmarshal . . . 2724
6.535 activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller Class Reference . . . 2725
6.535.1 Detailed Description . . . 2726
6.535.2 Constructor & Destructor Documentation . . . 2726
6.535.2.1 MessageDispatchNotificationMarshaller . . . 2726
6.535.2.2 ∼MessageDispatchNotificationMarshaller . . . 2726
6.535.3 Member Function Documentation . . . 2726
6.535.3.1 createObject . . . 2726
6.535.3.2 getDataStructureType . . . 2726
6.535.3.3 looseMarshal . . . 2726
6.535.3.4 looseUnmarshal . . . 2727
6.535.3.5 tightMarshal1 . . . 2727
6.535.3.6 tightMarshal2 . . . 2728
6.535.3.7 tightUnmarshal . . . 2728
6.536 activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller Class Reference . . . 2729
6.536.1 Detailed Description . . . 2730
6.536.2 Constructor & Destructor Documentation . . . 2730
6.536.2.1 MessageDispatchNotificationMarshaller . . . 2730
6.536.2.2 ∼MessageDispatchNotificationMarshaller . . . 2730
6.536.3 Member Function Documentation . . . 2730
6.536.3.1 createObject . . . 2730
6.536.3.2 getDataStructureType . . . 2730
6.536.3.3 looseMarshal . . . 2731
6.536.3.4 looseUnmarshal . . . 2731
6.536.3.5 tightMarshal1 . . . 2732
6.536.3.6 tightMarshal2 . . . 2732
6.536.3.7 tightUnmarshal . . . 2733
6.537 activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller Class Reference . . . 2733
6.537.1 Detailed Description . . . 2734
6.537.2 Constructor & Destructor Documentation . . . 2734
6.537.2.1 MessageDispatchNotificationMarshaller . . . 2734
6.537.2.2 ∼MessageDispatchNotificationMarshaller . . . 2734
6.537.3 Member Function Documentation . . . 2734
6.537.3.1 createObject . . . 2734

6.537.3.2 getDataStructureType 2735
6.537.3.3 looseMarshal 2735
6.537.3.4 looseUnmarshal 2735
6.537.3.5 tightMarshal1 2736
6.537.3.6 tightMarshal2 2736
6.537.3.7 tightUnmarshal 2737
6.538 activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller Class Reference 2737
6.538.1 Detailed Description 2738
6.538.2 Constructor & Destructor Documentation 2739
6.538.2.1 MessageDispatchNotificationMarshaller 2739
6.538.2.2 ∼MessageDispatchNotificationMarshaller 2739
6.538.3 Member Function Documentation 2739
6.538.3.1 createObject 2739
6.538.3.2 getDataStructureType 2739
6.538.3.3 looseMarshal 2739
6.538.3.4 looseUnmarshal 2740
6.538.3.5 tightMarshal1 2740
6.538.3.6 tightMarshal2 2741
6.538.3.7 tightUnmarshal 2741
6.539 activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller Class Reference 2742
6.539.1 Detailed Description 2743
6.539.2 Constructor & Destructor Documentation 2743
6.539.2.1 MessageDispatchNotificationMarshaller 2743
6.539.2.2 ∼MessageDispatchNotificationMarshaller 2743
6.539.3 Member Function Documentation 2743
6.539.3.1 createObject 2743
6.539.3.2 getDataStructureType 2743
6.539.3.3 looseMarshal 2743
6.539.3.4 looseUnmarshal 2744
6.539.3.5 tightMarshal1 2744
6.539.3.6 tightMarshal2 2745
6.539.3.7 tightUnmarshal 2745
6.540 cms::MessageEnumeration Class Reference 2746
6.540.1 Detailed Description 2746
6.540.2 Constructor & Destructor Documentation 2747
6.540.2.1 ∼MessageEnumeration 2747
6.540.3 Member Function Documentation 2747
6.540.3.1 hasMoreMessages 2747
6.540.3.2 nextMessage 2747
6.541 cms::MessageEOFException Class Reference 2747
6.541.1 Detailed Description 2748
6.541.2 Constructor & Destructor Documentation 2748
6.541.2.1 MessageEOFException 2748
6.541.2.2 MessageEOFException 2748
6.541.2.3 MessageEOFException 2748
6.541.2.4 MessageEOFException 2748
6.541.2.5 ∼MessageEOFException 2748
6.542 cms::MessageFormatException Class Reference 2749

6.542.1 Detailed Description 2749
6.542.2 Constructor & Destructor Documentation 2750
6.542.2.1 MessageFormatException 2750
6.542.2.2 MessageFormatException 2750
6.542.2.3 MessageFormatException 2750
6.542.2.4 MessageFormatException 2750
6.542.2.5 ∼MessageFormatException 2750
6.543 activemq::commands::MessageId Class Reference 2750
6.543.1 Member Typedef Documentation 2752
6.543.1.1 COMPARATOR 2752
6.543.2 Constructor & Destructor Documentation 2752
6.543.2.1 MessageId 2752
6.543.2.2 MessageId 2752
6.543.2.3 MessageId 2752
6.543.2.4 MessageId 2752
6.543.2.5 MessageId 2752
6.543.2.6 MessageId 2752
6.543.2.7 ∼MessageId 2752
6.543.3 Member Function Documentation 2752
6.543.3.1 cloneDataStructure 2752
6.543.3.2 compareTo 2752
6.543.3.3 copyDataStructure 2752
6.543.3.4 equals 2753
6.543.3.5 equals 2753
6.543.3.6 getBrokerSequenceId 2753
6.543.3.7 getDataStructureType 2753
6.543.3.8 getProducerId 2754
6.543.3.9 getProducerId 2754
6.543.3.10 getProducerSequenceId 2754
6.543.3.11 operator< 2754
6.543.3.12 operator= 2754
6.543.3.13 operator== 2754
6.543.3.14 setBrokerSequenceId 2754
6.543.3.15 setProducerId 2754
6.543.3.16 setProducerSequenceId 2754
6.543.3.17 setTextView 2754
6.543.3.18 setValue 2754
6.543.3.19 toString 2754
6.543.4 Field Documentation 2755
6.543.4.1 brokerSequenceId 2755
6.543.4.2 ID_MESSAGEID 2755
6.543.4.3 producerId 2755
6.543.4.4 producerSequenceId 2755
6.544 activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller Class Reference 2755
6.544.1 Detailed Description 2756
6.544.2 Constructor & Destructor Documentation 2756
6.544.2.1 MessageIdMarshaller 2756
6.544.2.2 ∼MessageIdMarshaller 2756
6.544.3 Member Function Documentation 2756

6.544.3.1 createObject 2756
6.544.3.2 getDataStructureType 2757
6.544.3.3 looseMarshal 2757
6.544.3.4 looseUnmarshal 2757
6.544.3.5 tightMarshal1 2758
6.544.3.6 tightMarshal2 2758
6.544.3.7 tightUnmarshal 2759
6.545 activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller Class Reference 2759
6.545.1 Detailed Description 2760
6.545.2 Constructor & Destructor Documentation 2760
6.545.2.1 MessageIdMarshaller 2760
6.545.2.2 ∼MessageIdMarshaller 2760
6.545.3 Member Function Documentation 2760
6.545.3.1 createObject 2760
6.545.3.2 getDataStructureType 2761
6.545.3.3 looseMarshal 2761
6.545.3.4 looseUnmarshal 2761
6.545.3.5 tightMarshal1 2762
6.545.3.6 tightMarshal2 2762
6.545.3.7 tightUnmarshal 2763
6.546 activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller Class Reference 2763
6.546.1 Detailed Description 2764
6.546.2 Constructor & Destructor Documentation 2764
6.546.2.1 MessageIdMarshaller 2764
6.546.2.2 ∼MessageIdMarshaller 2764
6.546.3 Member Function Documentation 2764
6.546.3.1 createObject 2764
6.546.3.2 getDataStructureType 2765
6.546.3.3 looseMarshal 2765
6.546.3.4 looseUnmarshal 2765
6.546.3.5 tightMarshal1 2766
6.546.3.6 tightMarshal2 2766
6.546.3.7 tightUnmarshal 2767
6.547 activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller Class Reference 2767
6.547.1 Detailed Description 2768
6.547.2 Constructor & Destructor Documentation 2768
6.547.2.1 MessageIdMarshaller 2768
6.547.2.2 ∼MessageIdMarshaller 2768
6.547.3 Member Function Documentation 2768
6.547.3.1 createObject 2768
6.547.3.2 getDataStructureType 2769
6.547.3.3 looseMarshal 2769
6.547.3.4 looseUnmarshal 2769
6.547.3.5 tightMarshal1 2770
6.547.3.6 tightMarshal2 2770
6.547.3.7 tightUnmarshal 2771

6.548 activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller Class Reference . . . 2771
6.548.1 Detailed Description . . . 2772
6.548.2 Constructor & Destructor Documentation . . . 2772
6.548.2.1 MessageIdMarshaller . . . 2772
6.548.2.2 ∼MessageIdMarshaller . . . 2772
6.548.3 Member Function Documentation . . . 2772
6.548.3.1 createObject . . . 2772
6.548.3.2 getDataStructureType . . . 2773
6.548.3.3 looseMarshal . . . 2773
6.548.3.4 looseUnmarshal . . . 2773
6.548.3.5 tightMarshal1 . . . 2774
6.548.3.6 tightMarshal2 . . . 2774
6.548.3.7 tightUnmarshal . . . 2775
6.549 activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller Class Reference . . . 2775
6.549.1 Detailed Description . . . 2776
6.549.2 Constructor & Destructor Documentation . . . 2776
6.549.2.1 MessageIdMarshaller . . . 2776
6.549.2.2 ∼MessageIdMarshaller . . . 2776
6.549.3 Member Function Documentation . . . 2776
6.549.3.1 createObject . . . 2776
6.549.3.2 getDataStructureType . . . 2777
6.549.3.3 looseMarshal . . . 2777
6.549.3.4 looseUnmarshal . . . 2777
6.549.3.5 tightMarshal1 . . . 2778
6.549.3.6 tightMarshal2 . . . 2778
6.549.3.7 tightUnmarshal . . . 2779
6.550 cms::MessageListener Class Reference . . . 2779
6.550.1 Detailed Description . . . 2779
6.550.2 Constructor & Destructor Documentation . . . 2780
6.550.2.1 ∼MessageListener . . . 2780
6.550.3 Member Function Documentation . . . 2780
6.550.3.1 onMessage . . . 2780
6.551 activemq::wireformat::openwire::marshal::v5::MessageMarshaller Class Reference . . . 2780
6.551.1 Detailed Description . . . 2781
6.551.2 Constructor & Destructor Documentation . . . 2781
6.551.2.1 MessageMarshaller . . . 2781
6.551.2.2 ∼MessageMarshaller . . . 2781
6.551.3 Member Function Documentation . . . 2781
6.551.3.1 looseMarshal . . . 2781
6.551.3.2 looseUnmarshal . . . 2782
6.551.3.3 tightMarshal1 . . . 2783
6.551.3.4 tightMarshal2 . . . 2783
6.551.3.5 tightUnmarshal . . . 2784
6.552 activemq::wireformat::openwire::marshal::v3::MessageMarshaller Class Reference . . . 2785
6.552.1 Detailed Description . . . 2785
6.552.2 Constructor & Destructor Documentation . . . 2786

6.552.2.1 MessageMarshaller 2786
6.552.2.2 ∼MessageMarshaller 2786
6.552.3 Member Function Documentation 2786
6.552.3.1 looseMarshal 2786
6.552.3.2 looseUnmarshal 2786
6.552.3.3 tightMarshal1 2787
6.552.3.4 tightMarshal2 2788
6.552.3.5 tightUnmarshal 2788
6.553 activemq::wireformat::openwire::marshal::v2::MessageMarshaller Class Reference 2789
6.553.1 Detailed Description 2790
6.553.2 Constructor & Destructor Documentation 2790
6.553.2.1 MessageMarshaller 2790
6.553.2.2 ∼MessageMarshaller 2790
6.553.3 Member Function Documentation 2790
6.553.3.1 looseMarshal 2790
6.553.3.2 looseUnmarshal 2791
6.553.3.3 tightMarshal1 2791
6.553.3.4 tightMarshal2 2792
6.553.3.5 tightUnmarshal 2793
6.554 activemq::wireformat::openwire::marshal::v4::MessageMarshaller Class Reference 2793
6.554.1 Detailed Description 2794
6.554.2 Constructor & Destructor Documentation 2795
6.554.2.1 MessageMarshaller 2795
6.554.2.2 ∼MessageMarshaller 2795
6.554.3 Member Function Documentation 2795
6.554.3.1 looseMarshal 2795
6.554.3.2 looseUnmarshal 2795
6.554.3.3 tightMarshal1 2796
6.554.3.4 tightMarshal2 2797
6.554.3.5 tightUnmarshal 2797
6.555 activemq::wireformat::openwire::marshal::v1::MessageMarshaller Class Reference 2798
6.555.1 Detailed Description 2799
6.555.2 Constructor & Destructor Documentation 2799
6.555.2.1 MessageMarshaller 2799
6.555.2.2 ∼MessageMarshaller 2799
6.555.3 Member Function Documentation 2799
6.555.3.1 looseMarshal 2799
6.555.3.2 looseUnmarshal 2800
6.555.3.3 tightMarshal1 2800
6.555.3.4 tightMarshal2 2801
6.555.3.5 tightUnmarshal 2802
6.556 activemq::wireformat::openwire::marshal::v6::MessageMarshaller Class Reference 2802
6.556.1 Detailed Description 2803
6.556.2 Constructor & Destructor Documentation 2804
6.556.2.1 MessageMarshaller 2804
6.556.2.2 ∼MessageMarshaller 2804

6.556.3 Member Function Documentation 2804
6.556.3.1 looseMarshal 2804
6.556.3.2 looseUnmarshal 2804
6.556.3.3 tightMarshal1 2805
6.556.3.4 tightMarshal2 2806
6.556.3.5 tightUnmarshal 2806
6.557 cms::MessageNotReadableException Class Reference 2807
6.557.1 Detailed Description 2807
6.557.2 Constructor & Destructor Documentation 2808
6.557.2.1 MessageNotReadableException 2808
6.557.2.2 MessageNotReadableException 2808
6.557.2.3 MessageNotReadableException 2808
6.557.2.4 MessageNotReadableException 2808
6.557.2.5 ∼MessageNotReadableException 2808
6.558 cms::MessageNotWriteableException Class Reference 2808
6.558.1 Detailed Description 2808
6.558.2 Constructor & Destructor Documentation 2809
6.558.2.1 MessageNotWriteableException 2809
6.558.2.2 MessageNotWriteableException 2809
6.558.2.3 MessageNotWriteableException 2809
6.558.2.4 MessageNotWriteableException 2809
6.558.2.5 ∼MessageNotWriteableException 2809
6.559 cms::MessageProducer Class Reference 2809
6.559.1 Detailed Description 2811
6.559.2 Constructor & Destructor Documentation 2811
6.559.2.1 ∼MessageProducer 2811
6.559.3 Member Function Documentation 2811
6.559.3.1 getDeliveryMode 2811
6.559.3.2 getDisableMessageID 2812
6.559.3.3 getDisableMessageTimeStamp 2812
6.559.3.4 getPriority 2812
6.559.3.5 getTimeToLive 2813
6.559.3.6 send 2813
6.559.3.7 send 2814
6.559.3.8 send 2814
6.559.3.9 send 2815
6.559.3.10 setDeliveryMode 2816
6.559.3.11 setDisableMessageID 2816
6.559.3.12 setDisableMessageTimeStamp 2816
6.559.3.13 setPriority 2817
6.559.3.14 setTimeToLive 2817
6.560 activemq::wireformat::openwire::utils::MessagePropertyInterceptor Class Reference 2817
6.560.1 Detailed Description 2819
6.560.2 Constructor & Destructor Documentation 2819
6.560.2.1 MessagePropertyInterceptor 2819
6.560.2.2 ∼MessagePropertyInterceptor 2820
6.560.3 Member Function Documentation 2820
6.560.3.1 getBooleanProperty 2820
6.560.3.2 getByteProperty 2820

6.560.3.3 getDoubleProperty 2820
6.560.3.4 getFloatProperty 2820
6.560.3.5 getIntProperty 2821
6.560.3.6 getLongProperty 2821
6.560.3.7 getShortProperty 2821
6.560.3.8 getStringProperty 2822
6.560.3.9 setBooleanProperty 2822
6.560.3.10 setByteProperty 2822
6.560.3.11 setDoubleProperty 2822
6.560.3.12 setFloatProperty 2823
6.560.3.13 setIntProperty 2823
6.560.3.14 setLongProperty 2823
6.560.3.15 setShortProperty 2823
6.560.3.16 setStringProperty 2823
6.561 activemq::commands::MessagePull Class Reference 2824
6.561.1 Constructor & Destructor Documentation 2825
6.561.1.1 MessagePull 2825
6.561.1.2 ∼MessagePull 2825
6.561.2 Member Function Documentation 2825
6.561.2.1 cloneDataStructure 2825
6.561.2.2 copyDataStructure 2826
6.561.2.3 equals 2826
6.561.2.4 getConsumerId 2826
6.561.2.5 getConsumerId 2826
6.561.2.6 getCorrelationId 2826
6.561.2.7 getCorrelationId 2826
6.561.2.8 getDataStructureType 2826
6.561.2.9 getDestination 2827
6.561.2.10 getDestination 2827
6.561.2.11 getMessageId 2827
6.561.2.12 getMessageId 2827
6.561.2.13 getTimeout 2827
6.561.2.14 setConsumerId 2827
6.561.2.15 setCorrelationId 2827
6.561.2.16 setDestination 2827
6.561.2.17 setMessageId 2827
6.561.2.18 setTimeout 2827
6.561.2.19 toString 2827
6.561.2.20 visit 2828
6.561.3 Field Documentation 2828
6.561.3.1 consumerId 2828
6.561.3.2 correlationId 2828
6.561.3.3 destination 2828
6.561.3.4 ID_MESSAGEPULL 2828
6.561.3.5 messageId 2828
6.561.3.6 timeout 2828
6.562 activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller Class Reference 2828
6.562.1 Detailed Description 2829
6.562.2 Constructor & Destructor Documentation 2830

6.562.2.1 MessagePullMarshaller 2830
6.562.2.2 ∼MessagePullMarshaller 2830
6.562.3 Member Function Documentation 2830
6.562.3.1 createObject 2830
6.562.3.2 getDataStructureType 2830
6.562.3.3 looseMarshal 2830
6.562.3.4 looseUnmarshal 2831
6.562.3.5 tightMarshal1 2831
6.562.3.6 tightMarshal2 2832
6.562.3.7 tightUnmarshal 2832
6.563 activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller Class Reference 2833
6.563.1 Detailed Description 2834
6.563.2 Constructor & Destructor Documentation 2834
6.563.2.1 MessagePullMarshaller 2834
6.563.2.2 ∼MessagePullMarshaller 2834
6.563.3 Member Function Documentation 2834
6.563.3.1 createObject 2834
6.563.3.2 getDataStructureType 2834
6.563.3.3 looseMarshal 2834
6.563.3.4 looseUnmarshal 2835
6.563.3.5 tightMarshal1 2835
6.563.3.6 tightMarshal2 2836
6.563.3.7 tightUnmarshal 2836
6.564 activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller Class Reference 2837
6.564.1 Detailed Description 2838
6.564.2 Constructor & Destructor Documentation 2838
6.564.2.1 MessagePullMarshaller 2838
6.564.2.2 ∼MessagePullMarshaller 2838
6.564.3 Member Function Documentation 2838
6.564.3.1 createObject 2838
6.564.3.2 getDataStructureType 2838
6.564.3.3 looseMarshal 2839
6.564.3.4 looseUnmarshal 2839
6.564.3.5 tightMarshal1 2840
6.564.3.6 tightMarshal2 2840
6.564.3.7 tightUnmarshal 2841
6.565 activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller Class Reference 2841
6.565.1 Detailed Description 2842
6.565.2 Constructor & Destructor Documentation 2842
6.565.2.1 MessagePullMarshaller 2842
6.565.2.2 ∼MessagePullMarshaller 2842
6.565.3 Member Function Documentation 2842
6.565.3.1 createObject 2842
6.565.3.2 getDataStructureType 2843
6.565.3.3 looseMarshal 2843
6.565.3.4 looseUnmarshal 2843
6.565.3.5 tightMarshal1 2844

6.565.3.6 tightMarshal2 2844
6.565.3.7 tightUnmarshal 2845
6.566 activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller Class Reference 2845
6.566.1 Detailed Description 2846
6.566.2 Constructor & Destructor Documentation 2847
6.566.2.1 MessagePullMarshaller 2847
6.566.2.2 ∼MessagePullMarshaller 2847
6.566.3 Member Function Documentation 2847
6.566.3.1 createObject 2847
6.566.3.2 getDataStructureType 2847
6.566.3.3 looseMarshal 2847
6.566.3.4 looseUnmarshal 2848
6.566.3.5 tightMarshal1 2848
6.566.3.6 tightMarshal2 2849
6.566.3.7 tightUnmarshal 2849
6.567 activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller Class Reference 2850
6.567.1 Detailed Description 2851
6.567.2 Constructor & Destructor Documentation 2851
6.567.2.1 MessagePullMarshaller 2851
6.567.2.2 ∼MessagePullMarshaller 2851
6.567.3 Member Function Documentation 2851
6.567.3.1 createObject 2851
6.567.3.2 getDataStructureType 2851
6.567.3.3 looseMarshal 2851
6.567.3.4 looseUnmarshal 2852
6.567.3.5 tightMarshal1 2852
6.567.3.6 tightMarshal2 2853
6.567.3.7 tightUnmarshal 2853
6.568 activemq::transport::mock::MockTransport Class Reference 2854
6.568.1 Detailed Description 2856
6.568.2 Constructor & Destructor Documentation 2857
6.568.2.1 MockTransport 2857
6.568.2.2 ∼MockTransport 2857
6.568.3 Member Function Documentation 2857
6.568.3.1 close 2857
6.568.3.2 fireCommand 2857
6.568.3.3 fireException 2857
6.568.3.4 getInstance 2858
6.568.3.5 getNumReceivedMessageBeforeFail 2858
6.568.3.6 getNumReceivedMessages 2858
6.568.3.7 getNumSentKeepAlives 2858
6.568.3.8 getNumSentKeepAlivesBeforeFail 2858
6.568.3.9 getNumSentMessageBeforeFail 2858
6.568.3.10 getNumSentMessages 2858
6.568.3.11 getRemoteAddress 2858
6.568.3.12 getTransportListener 2858
6.568.3.13 getWireFormat 2858
6.568.3.14 isClosed 2859

6.568.3.15 isConnected 2859
6.568.3.16 isFailOnClose 2859
6.568.3.17 isFailOnKeepAliveSends 2859
6.568.3.18 isFailOnReceiveMessage 2859
6.568.3.19 isFailOnSendMessage 2859
6.568.3.20 isFailOnStart 2859
6.568.3.21 isFailOnStop 2859
6.568.3.22 isFaultTolerant 2859
6.568.3.23 narrow 2860
6.568.3.24 oneway 2860
6.568.3.25 reconnect 2860
6.568.3.26 request 2861
6.568.3.27 request 2861
6.568.3.28 setFailOnClose 2862
6.568.3.29 setFailOnKeepAliveSends 2862
6.568.3.30 setFailOnReceiveMessage 2862
6.568.3.31 setFailOnSendMessage 2862
6.568.3.32 setFailOnStart 2862
6.568.3.33 setFailOnStop 2862
6.568.3.34 setNumReceivedMessageBeforeFail 2862
6.568.3.35 setNumReceivedMessages 2862
6.568.3.36 setNumSentKeepAlives 2862
6.568.3.37 setNumSentKeepAlivesBeforeFail 2862
6.568.3.38 setNumSentMessageBeforeFail 2862
6.568.3.39 setNumSentMessages 2862
6.568.3.40 setOutgoingListener 2862
6.568.3.41 setResponseBuilder 2863
6.568.3.42 setTransportListener 2863
6.568.3.43 setWireFormat 2863
6.568.3.44 start 2863
6.568.3.45 stop 2864
6.569 activemq::transport::mock::MockTransportFactory Class Reference . 2864
6.569.1 Detailed Description 2865
6.569.2 Constructor & Destructor Documentation 2865
6.569.2.1 ~MockTransportFactory 2865
6.569.3 Member Function Documentation 2865
6.569.3.1 create 2865
6.569.3.2 createComposite 2865
6.569.3.3 doCreateComposite 2866
6.570 decaf::util::concurrent::Mutex Class Reference 2866
6.570.1 Detailed Description 2867
6.570.2 Constructor & Destructor Documentation 2868
6.570.2.1 Mutex 2868
6.570.2.2 ~Mutex 2868
6.570.3 Member Function Documentation 2868
6.570.3.1 lock 2868
6.570.3.2 notify 2868
6.570.3.3 notifyAll 2868
6.570.3.4 tryLock 2869
6.570.3.5 unlock 2869

6.570.3.6 wait 2870
6.570.3.7 wait 2870
6.570.3.8 wait 2871
6.571 decaf::util::concurrent::MutexHandle Class Reference 2871
6.571.1 Constructor & Destructor Documentation 2872
6.571.1.1 MutexHandle 2872
6.571.1.2 ∼MutexHandle 2872
6.571.1.3 MutexHandle 2872
6.571.1.4 ∼MutexHandle 2872
6.571.2 Field Documentation 2872
6.571.2.1 lock_count 2872
6.571.2.2 lock_owner 2872
6.571.2.3 mutex 2872
6.571.2.4 mutex 2872
6.572 decaf::internal::util::concurrent::MutexImpl Class Reference 2872
6.572.1 Member Function Documentation 2873
6.572.1.1 create 2873
6.572.1.2 destroy 2873
6.572.1.3 lock 2873
6.572.1.4 trylock 2874
6.572.1.5 unlock 2874
6.573 decaf::internal::net::Network Class Reference 2874
6.573.1 Detailed Description 2875
6.573.2 Constructor & Destructor Documentation 2876
6.573.2.1 Network 2876
6.573.2.2 ∼Network 2876
6.573.3 Member Function Documentation 2876
6.573.3.1 addAsResource 2876
6.573.3.2 addNetworkResource 2876
6.573.3.3 getNetworkRuntime 2876
6.573.3.4 getRuntimeLock 2876
6.573.3.5 initializeNetworking 2877
6.573.3.6 shutdownNetworking 2877
6.574 activemq::commands::NetworkBridgeFilter Class Reference 2877
6.574.1 Constructor & Destructor Documentation 2878
6.574.1.1 NetworkBridgeFilter 2878
6.574.1.2 ∼NetworkBridgeFilter 2878
6.574.2 Member Function Documentation 2878
6.574.2.1 cloneDataStructure 2878
6.574.2.2 copyDataStructure 2878
6.574.2.3 equals 2879
6.574.2.4 getDataStructureType 2879
6.574.2.5 getNetworkBrokerId 2880
6.574.2.6 getNetworkBrokerId 2880
6.574.2.7 getNetworkTTL 2880
6.574.2.8 setNetworkBrokerId 2880
6.574.2.9 setNetworkTTL 2880
6.574.2.10 toString 2880
6.574.3 Field Documentation 2880
6.574.3.1 ID_NETWORKBRIDGEFILTER 2880

6.574.3.2 networkBrokerId 2880
6.574.3.3 networkTTL 2880
6.575 activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller Class Reference 2881
6.575.1 Detailed Description 2882
6.575.2 Constructor & Destructor Documentation 2882
6.575.2.1 NetworkBridgeFilterMarshaller 2882
6.575.2.2 ∼NetworkBridgeFilterMarshaller 2882
6.575.3 Member Function Documentation 2882
6.575.3.1 createObject 2882
6.575.3.2 getDataStructureType 2882
6.575.3.3 looseMarshal 2882
6.575.3.4 looseUnmarshal 2883
6.575.3.5 tightMarshal1 2883
6.575.3.6 tightMarshal2 2884
6.575.3.7 tightUnmarshal 2884
6.576 activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller Class Reference 2885
6.576.1 Detailed Description 2886
6.576.2 Constructor & Destructor Documentation 2886
6.576.2.1 NetworkBridgeFilterMarshaller 2886
6.576.2.2 ∼NetworkBridgeFilterMarshaller 2886
6.576.3 Member Function Documentation 2886
6.576.3.1 createObject 2886
6.576.3.2 getDataStructureType 2886
6.576.3.3 looseMarshal 2886
6.576.3.4 looseUnmarshal 2887
6.576.3.5 tightMarshal1 2887
6.576.3.6 tightMarshal2 2888
6.576.3.7 tightUnmarshal 2888
6.577 activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller Class Reference 2889
6.577.1 Detailed Description 2890
6.577.2 Constructor & Destructor Documentation 2890
6.577.2.1 NetworkBridgeFilterMarshaller 2890
6.577.2.2 ∼NetworkBridgeFilterMarshaller 2890
6.577.3 Member Function Documentation 2890
6.577.3.1 createObject 2890
6.577.3.2 getDataStructureType 2890
6.577.3.3 looseMarshal 2890
6.577.3.4 looseUnmarshal 2891
6.577.3.5 tightMarshal1 2891
6.577.3.6 tightMarshal2 2892
6.577.3.7 tightUnmarshal 2892
6.578 activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller Class Reference 2893
6.578.1 Detailed Description 2894
6.578.2 Constructor & Destructor Documentation 2894
6.578.2.1 NetworkBridgeFilterMarshaller 2894
6.578.2.2 ∼NetworkBridgeFilterMarshaller 2894

6.578.3 Member Function Documentation 2894
6.578.3.1 createObject 2894
6.578.3.2 getDataStructureType 2894
6.578.3.3 looseMarshal 2894
6.578.3.4 looseUnmarshal 2895
6.578.3.5 tightMarshal1 2895
6.578.3.6 tightMarshal2 2896
6.578.3.7 tightUnmarshal 2896
6.579 activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller Class Reference 2897
6.579.1 Detailed Description 2898
6.579.2 Constructor & Destructor Documentation 2898
6.579.2.1 NetworkBridgeFilterMarshaller 2898
6.579.2.2 ∼NetworkBridgeFilterMarshaller 2898
6.579.3 Member Function Documentation 2898
6.579.3.1 createObject 2898
6.579.3.2 getDataStructureType 2898
6.579.3.3 looseMarshal 2898
6.579.3.4 looseUnmarshal 2899
6.579.3.5 tightMarshal1 2899
6.579.3.6 tightMarshal2 2900
6.579.3.7 tightUnmarshal 2900
6.580 activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller Class Reference 2901
6.580.1 Detailed Description 2902
6.580.2 Constructor & Destructor Documentation 2902
6.580.2.1 NetworkBridgeFilterMarshaller 2902
6.580.2.2 ∼NetworkBridgeFilterMarshaller 2902
6.580.3 Member Function Documentation 2902
6.580.3.1 createObject 2902
6.580.3.2 getDataStructureType 2902
6.580.3.3 looseMarshal 2902
6.580.3.4 looseUnmarshal 2903
6.580.3.5 tightMarshal1 2903
6.580.3.6 tightMarshal2 2904
6.580.3.7 tightUnmarshal 2904
6.581 decaf::net::NoRouteToHostException Class Reference 2905
6.581.1 Constructor & Destructor Documentation 2905
6.581.1.1 NoRouteToHostException 2905
6.581.1.2 NoRouteToHostException 2906
6.581.1.3 NoRouteToHostException 2906
6.581.1.4 NoRouteToHostException 2906
6.581.1.5 NoRouteToHostException 2906
6.581.1.6 NoRouteToHostException 2907
6.581.1.7 ∼NoRouteToHostException 2907
6.581.2 Member Function Documentation 2907
6.581.2.1 clone 2907
6.582 decaf::security::NoSuchAlgorithmException Class Reference 2907
6.582.1 Constructor & Destructor Documentation 2908
6.582.1.1 NoSuchAlgorithmException 2908

6.582.1.2 NoSuchAlgorithmException 2908
6.582.1.3 NoSuchAlgorithmException 2908
6.582.1.4 NoSuchAlgorithmException 2909
6.582.1.5 NoSuchAlgorithmException 2909
6.582.1.6 NoSuchAlgorithmException 2909
6.582.1.7 ∼NoSuchAlgorithmException 2910
6.582.2 Member Function Documentation 2910
6.582.2.1 clone 2910
6.583 decaf::lang::exceptions::NoSuchElementException Class Reference . 2910
6.583.1 Constructor & Destructor Documentation 2911
6.583.1.1 NoSuchElementException 2911
6.583.1.2 NoSuchElementException 2911
6.583.1.3 NoSuchElementException 2911
6.583.1.4 NoSuchElementException 2911
6.583.1.5 NoSuchElementException 2912
6.583.1.6 NoSuchElementException 2912
6.583.1.7 ∼NoSuchElementException 2912
6.583.2 Member Function Documentation 2912
6.583.2.1 clone 2912
6.584 decaf::security::NoSuchProviderException Class Reference 2913
6.584.1 Constructor & Destructor Documentation 2913
6.584.1.1 NoSuchProviderException 2913
6.584.1.2 NoSuchProviderException 2914
6.584.1.3 NoSuchProviderException 2914
6.584.1.4 NoSuchProviderException 2914
6.584.1.5 NoSuchProviderException 2914
6.584.1.6 NoSuchProviderException 2915
6.584.1.7 ∼NoSuchProviderException 2915
6.584.2 Member Function Documentation 2915
6.584.2.1 clone 2915
6.585 decaf::lang::exceptions::NullPointerException Class Reference 2915
6.585.1 Constructor & Destructor Documentation 2916
6.585.1.1 NullPointerException 2916
6.585.1.2 NullPointerException 2916
6.585.1.3 NullPointerException 2916
6.585.1.4 NullPointerException 2917
6.585.1.5 NullPointerException 2917
6.585.1.6 NullPointerException 2917
6.585.1.7 ∼NullPointerException 2918
6.585.2 Member Function Documentation 2918
6.585.2.1 clone 2918
6.586 decaf::lang::Number Class Reference 2918
6.586.1 Detailed Description 2919
6.586.2 Constructor & Destructor Documentation 2919
6.586.2.1 ∼Number 2919
6.586.3 Member Function Documentation 2919
6.586.3.1 byteValue 2919
6.586.3.2 doubleValue 2919
6.586.3.3 floatValue 2920
6.586.3.4 intValue 2920

6.586.3.5 longValue 2920
6.586.3.6 shortValue 2920
6.587 decaf::lang::exceptions::NumberFormatException Class Reference . . 2921
6.587.1 Constructor & Destructor Documentation 2922
6.587.1.1 NumberFormatException 2922
6.587.1.2 NumberFormatException 2922
6.587.1.3 NumberFormatException 2922
6.587.1.4 NumberFormatException 2922
6.587.1.5 NumberFormatException 2923
6.587.1.6 NumberFormatException 2923
6.587.1.7 ∼NumberFormatException 2923
6.587.2 Member Function Documentation 2923
6.587.2.1 clone 2923
6.588 cms::ObjectMessage Class Reference 2924
6.588.1 Detailed Description 2924
6.588.2 Constructor & Destructor Documentation 2924
6.588.2.1 ∼ObjectMessage 2924
6.589 decaf::internal::net::ssl::openssl::OpenSSLContextSpi Class Reference 2924
6.589.1 Detailed Description 2925
6.589.2 Constructor & Destructor Documentation 2926
6.589.2.1 OpenSSLContextSpi 2926
6.589.2.2 ∼OpenSSLContextSpi 2926
6.589.3 Member Function Documentation 2926
6.589.3.1 providerGetServerSocketFactory 2926
6.589.3.2 providerGetSocketFactory 2926
6.589.3.3 providerInit 2927
6.589.4 Friends And Related Function Documentation 2927
6.589.4.1 OpenSSLSocket 2927
6.589.4.2 OpenSSLSocketFactory 2927
6.590 decaf::internal::net::ssl::openssl::OpenSSLParameters Class Reference 2927
6.590.1 Detailed Description 2928
6.590.2 Constructor & Destructor Documentation 2928
6.590.2.1 ∼OpenSSLParameters 2928
6.590.3 Member Function Documentation 2928
6.590.3.1 clone 2928
6.590.3.2 getEnabledCipherSuites 2929
6.590.3.3 getEnabledProtocols 2929
6.590.3.4 getNeedClientAuth 2929
6.590.3.5 getSupportedCipherSuites 2929
6.590.3.6 getSupportedProtocols 2929
6.590.3.7 getUseClientMode 2929
6.590.3.8 getWantClientAuth 2929
6.590.3.9 setEnabledCipherSuites 2929
6.590.3.10 setEnabledProtocols 2929
6.590.3.11 setNeedClientAuth 2929
6.590.3.12 setUseClientMode 2929
6.590.3.13 setWantClientAuth 2929
6.591 decaf::internal::net::ssl::openssl::OpenSSLServerSocket Class Reference 2929
6.591.1 Detailed Description 2932
6.591.2 Constructor & Destructor Documentation 2932

6.591.2.1 OpenSSLServerSocket 2932
6.591.2.2 ∼OpenSSLServerSocket 2932
6.591.3 Member Function Documentation 2932
6.591.3.1 accept 2932
6.591.3.2 getEnabledCipherSuites 2933
6.591.3.3 getEnabledProtocols 2933
6.591.3.4 getNeedClientAuth 2933
6.591.3.5 getSupportedCipherSuites 2933
6.591.3.6 getSupportedProtocols 2934
6.591.3.7 getWantClientAuth 2934
6.591.3.8 setEnabledCipherSuites 2934
6.591.3.9 setEnabledProtocols 2934
6.591.3.10 setNeedClientAuth 2935
6.591.3.11 setWantClientAuth 2935
6.592 decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory Class Reference 2935
6.592.1 Detailed Description 2937
6.592.2 Constructor & Destructor Documentation 2938
6.592.2.1 OpenSSLServerSocketFactory 2938
6.592.2.2 ∼OpenSSLServerSocketFactory 2938
6.592.3 Member Function Documentation 2938
6.592.3.1 createServerSocket 2938
6.592.3.2 createServerSocket 2938
6.592.3.3 createServerSocket 2939
6.592.3.4 createServerSocket 2939
6.592.3.5 getDefaultCipherSuites 2940
6.592.3.6 getSupportedCipherSuites 2940
6.593 decaf::internal::net::ssl::openssl::OpenSSLSocket Class Reference . . 2940
6.593.1 Detailed Description 2946
6.593.2 Constructor & Destructor Documentation 2946
6.593.2.1 OpenSSLSocket 2946
6.593.2.2 OpenSSLSocket 2946
6.593.2.3 OpenSSLSocket 2946
6.593.2.4 OpenSSLSocket 2946
6.593.2.5 OpenSSLSocket 2946
6.593.2.6 ∼OpenSSLSocket 2946
6.593.3 Member Function Documentation 2946
6.593.3.1 available 2946
6.593.3.2 close 2947
6.593.3.3 connect 2947
6.593.3.4 getEnabledCipherSuites 2947
6.593.3.5 getEnabledProtocols 2948
6.593.3.6 getInputStream 2948
6.593.3.7 getNeedClientAuth 2948
6.593.3.8 getOutputStream 2949
6.593.3.9 getSupportedCipherSuites 2949
6.593.3.10 getSupportedProtocols 2949
6.593.3.11 getUseClientMode 2950
6.593.3.12 getWantClientAuth 2950
6.593.3.13 read 2950

6.593.3.14 sendUrgentData 2951
6.593.3.15 setEnabledCipherSuites 2951
6.593.3.16 setEnabledProtocols 2951
6.593.3.17 setNeedClientAuth 2952
6.593.3.18 setOOBInline 2952
6.593.3.19 setUseClientMode 2953
6.593.3.20 setWantClientAuth 2953
6.593.3.21 shutdownInput 2953
6.593.3.22 shutdownOutput 2954
6.593.3.23 startHandshake 2954
6.593.3.24 write 2954
6.594 decaf::internal::net::ssl::openssl::OpenSSLSocketException Class Reference 2955
6.594.1 Detailed Description 2956
6.594.2 Constructor & Destructor Documentation 2956
6.594.2.1 OpenSSLSocketException 2956
6.594.2.2 OpenSSLSocketException 2956
6.594.2.3 OpenSSLSocketException 2956
6.594.2.4 OpenSSLSocketException 2957
6.594.2.5 OpenSSLSocketException 2957
6.594.2.6 OpenSSLSocketException 2957
6.594.2.7 OpenSSLSocketException 2958
6.594.2.8 ~OpenSSLSocketException 2958
6.594.3 Member Function Documentation 2958
6.594.3.1 clone 2958
6.594.3.2 getErrorString 2958
6.595 decaf::internal::net::ssl::openssl::OpenSSLSocketFactory Class Reference 2959
6.595.1 Detailed Description 2962
6.595.2 Constructor & Destructor Documentation 2962
6.595.2.1 OpenSSLSocketFactory 2962
6.595.2.2 ~OpenSSLSocketFactory 2962
6.595.3 Member Function Documentation 2962
6.595.3.1 createSocket 2962
6.595.3.2 createSocket 2962
6.595.3.3 createSocket 2963
6.595.3.4 createSocket 2964
6.595.3.5 createSocket 2964
6.595.3.6 createSocket 2965
6.595.3.7 getDefaultCipherSuites 2965
6.595.3.8 getSupportedCipherSuites 2966
6.596 decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream Class Reference 2966
6.596.1 Detailed Description 2967
6.596.2 Constructor & Destructor Documentation 2967
6.596.2.1 OpenSSLSocketInputStream 2967
6.596.2.2 ~OpenSSLSocketInputStream 2967
6.596.3 Member Function Documentation 2967
6.596.3.1 available 2967
6.596.3.2 close 2968

6.596.3.3 doReadArrayBounded 2968
6.596.3.4 doReadByte 2968
6.596.3.5 skip 2968
6.597 decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream Class Reference 2969
6.597.1 Detailed Description 2970
6.597.2 Constructor & Destructor Documentation 2970
6.597.2.1 OpenSSLSocketOutputStream 2970
6.597.2.2 ∼OpenSSLSocketOutputStream 2970
6.597.3 Member Function Documentation 2970
6.597.3.1 close 2970
6.597.3.2 doWriteArrayBounded 2971
6.597.3.3 doWriteByte 2971
6.598 activemq::wireformat::openwire::OpenWireFormat Class Reference . 2971
6.598.1 Constructor & Destructor Documentation 2974
6.598.1.1 OpenWireFormat 2974
6.598.1.2 ∼OpenWireFormat 2975
6.598.2 Member Function Documentation 2975
6.598.2.1 addMarshaller 2975
6.598.2.2 createNegotiator 2975
6.598.2.3 destroyMarshalers 2975
6.598.2.4 doUnmarshal 2975
6.598.2.5 getCacheSize 2976
6.598.2.6 getMaxInactivityDuration 2976
6.598.2.7 getMaxInactivityDurationInitialDelay 2976
6.598.2.8 getPreferedWireFormatInfo 2976
6.598.2.9 getVersion 2977
6.598.2.10 hasNegotiator 2977
6.598.2.11 inReceive 2977
6.598.2.12 isCacheEnabled 2977
6.598.2.13 isSizePrefixDisabled 2977
6.598.2.14 isStackTraceEnabled 2978
6.598.2.15 isTcpNoDelayEnabled 2978
6.598.2.16 isTightEncodingEnabled 2978
6.598.2.17 looseMarshalNestedObject 2978
6.598.2.18 looseUnmarshalNestedObject 2979
6.598.2.19 marshal 2979
6.598.2.20 renegotiateWireFormat 2980
6.598.2.21 setCacheEnabled 2980
6.598.2.22 setCacheSize 2980
6.598.2.23 setMaxInactivityDuration 2980
6.598.2.24 setMaxInactivityDurationInitialDelay 2981
6.598.2.25 setPreferedWireFormatInfo 2981
6.598.2.26 setSizePrefixDisabled 2981
6.598.2.27 setStackTraceEnabled 2981
6.598.2.28 setTcpNoDelayEnabled 2981
6.598.2.29 setTightEncodingEnabled 2982
6.598.2.30 setVersion 2982
6.598.2.31 tightMarshalNestedObject1 2982
6.598.2.32 tightMarshalNestedObject2 2983

6.598.2.33 tightUnmarshalNestedObject 2983
6.598.2.34 unmarshal 2983
6.598.3 Field Documentation 2984
6.598.3.1 DEFAULT_VERSION 2984
6.598.3.2 NULL_TYPE 2984
6.599 activemq::wireformat::openwire::OpenWireFormatFactory Class Reference 2984
6.599.1 Constructor & Destructor Documentation 2985
6.599.1.1 OpenWireFormatFactory 2985
6.599.1.2 ~OpenWireFormatFactory 2985
6.599.2 Member Function Documentation 2985
6.599.2.1 createWireFormat 2985
6.600 activemq::wireformat::openwire::OpenWireFormatNegotiator Class Reference 2985
6.600.1 Constructor & Destructor Documentation 2986
6.600.1.1 OpenWireFormatNegotiator 2986
6.600.1.2 ~OpenWireFormatNegotiator 2987
6.600.2 Member Function Documentation 2987
6.600.2.1 close 2987
6.600.2.2 onCommand 2987
6.600.2.3 oneway 2987
6.600.2.4 onTransportException 2988
6.600.2.5 request 2988
6.600.2.6 request 2989
6.600.2.7 start 2989
6.601 activemq::wireformat::openwire::OpenWireResponseBuilder Class Reference 2989
6.601.1 Constructor & Destructor Documentation 2990
6.601.1.1 OpenWireResponseBuilder 2990
6.601.1.2 ~OpenWireResponseBuilder 2990
6.601.2 Member Function Documentation 2990
6.601.2.1 buildIncomingCommands 2990
6.601.2.2 buildResponse 2991
6.602 decaf::io::OutputStream Class Reference 2991
6.602.1 Detailed Description 2993
6.602.2 Constructor & Destructor Documentation 2993
6.602.2.1 OutputStream 2993
6.602.2.2 ~OutputStream 2993
6.602.3 Member Function Documentation 2993
6.602.3.1 close 2993
6.602.3.2 doWriteArray 2994
6.602.3.3 doWriteArrayBounded 2994
6.602.3.4 doWriteByte 2994
6.602.3.5 flush 2994
6.602.3.6 lock 2995
6.602.3.7 notify 2995
6.602.3.8 notifyAll 2995
6.602.3.9 toString 2995
6.602.3.10 tryLock 2996
6.602.3.11 unlock 2996

6.602.3.12 wait 2996
6.602.3.13 wait 2997
6.602.3.14 wait 2997
6.602.3.15 write 2998
6.602.3.16 write 2998
6.602.3.17 write 2999
6.603 decaf::io::OutputStreamWriter Class Reference 2999
6.603.1 Detailed Description 3000
6.603.2 Constructor & Destructor Documentation 3000
6.603.2.1 OutputStreamWriter 3000
6.603.2.2 ∼OutputStreamWriter 3001
6.603.3 Member Function Documentation 3001
6.603.3.1 checkClosed 3001
6.603.3.2 close 3001
6.603.3.3 doWriteArrayBounded 3001
6.603.3.4 flush 3001
6.604 activemq::commands::PartialCommand Class Reference 3002
6.604.1 Constructor & Destructor Documentation 3003
6.604.1.1 PartialCommand 3003
6.604.1.2 ∼PartialCommand 3003
6.604.2 Member Function Documentation 3003
6.604.2.1 cloneDataStructure 3003
6.604.2.2 copyDataStructure 3003
6.604.2.3 equals 3004
6.604.2.4 getCommandId 3004
6.604.2.5 getData 3004
6.604.2.6 getData 3004
6.604.2.7 getDataStructureType 3004
6.604.2.8 setCommandId 3005
6.604.2.9 setData 3005
6.604.2.10 toString 3005
6.604.3 Field Documentation 3005
6.604.3.1 commandId 3005
6.604.3.2 data 3005
6.604.3.3 ID_PARTIALCOMMAND 3005
6.605 activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller Class Reference 3005
6.605.1 Detailed Description 3006
6.605.2 Constructor & Destructor Documentation 3007
6.605.2.1 PartialCommandMarshaller 3007
6.605.2.2 ∼PartialCommandMarshaller 3007
6.605.3 Member Function Documentation 3007
6.605.3.1 createObject 3007
6.605.3.2 getDataStructureType 3007
6.605.3.3 looseMarshal 3007
6.605.3.4 looseUnmarshal 3008
6.605.3.5 tightMarshal1 3008
6.605.3.6 tightMarshal2 3009
6.605.3.7 tightUnmarshal 3009

6.606 activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller Class Reference . . . 3010
6.606.1 Detailed Description . . . 3011
6.606.2 Constructor & Destructor Documentation . . . 3011
6.606.2.1 PartialCommandMarshaller . . . 3011
6.606.2.2 ∼PartialCommandMarshaller . . . 3011
6.606.3 Member Function Documentation . . . 3011
6.606.3.1 createObject . . . 3011
6.606.3.2 getDataStructureType . . . 3011
6.606.3.3 looseMarshal . . . 3012
6.606.3.4 looseUnmarshal . . . 3012
6.606.3.5 tightMarshal1 . . . 3013
6.606.3.6 tightMarshal2 . . . 3013
6.606.3.7 tightUnmarshal . . . 3014
6.607 activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller Class Reference . . . 3014
6.607.1 Detailed Description . . . 3015
6.607.2 Constructor & Destructor Documentation . . . 3016
6.607.2.1 PartialCommandMarshaller . . . 3016
6.607.2.2 ∼PartialCommandMarshaller . . . 3016
6.607.3 Member Function Documentation . . . 3016
6.607.3.1 createObject . . . 3016
6.607.3.2 getDataStructureType . . . 3016
6.607.3.3 looseMarshal . . . 3016
6.607.3.4 looseUnmarshal . . . 3017
6.607.3.5 tightMarshal1 . . . 3017
6.607.3.6 tightMarshal2 . . . 3018
6.607.3.7 tightUnmarshal . . . 3018
6.608 activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller Class Reference . . . 3019
6.608.1 Detailed Description . . . 3020
6.608.2 Constructor & Destructor Documentation . . . 3020
6.608.2.1 PartialCommandMarshaller . . . 3020
6.608.2.2 ∼PartialCommandMarshaller . . . 3020
6.608.3 Member Function Documentation . . . 3020
6.608.3.1 createObject . . . 3020
6.608.3.2 getDataStructureType . . . 3020
6.608.3.3 looseMarshal . . . 3021
6.608.3.4 looseUnmarshal . . . 3021
6.608.3.5 tightMarshal1 . . . 3022
6.608.3.6 tightMarshal2 . . . 3022
6.608.3.7 tightUnmarshal . . . 3023
6.609 activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller Class Reference . . . 3023
6.609.1 Detailed Description . . . 3024
6.609.2 Constructor & Destructor Documentation . . . 3025
6.609.2.1 PartialCommandMarshaller . . . 3025
6.609.2.2 ∼PartialCommandMarshaller . . . 3025
6.609.3 Member Function Documentation . . . 3025
6.609.3.1 createObject . . . 3025

6.609.3.2 getDataStructureType 3025
6.609.3.3 looseMarshal 3025
6.609.3.4 looseUnmarshal 3026
6.609.3.5 tightMarshal1 3026
6.609.3.6 tightMarshal2 3027
6.609.3.7 tightUnmarshal 3027
6.610 activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller Class Reference 3028
6.610.1 Detailed Description 3029
6.610.2 Constructor & Destructor Documentation 3029
6.610.2.1 PartialCommandMarshaller 3029
6.610.2.2 ∼PartialCommandMarshaller 3029
6.610.3 Member Function Documentation 3029
6.610.3.1 createObject 3029
6.610.3.2 getDataStructureType 3029
6.610.3.3 looseMarshal 3030
6.610.3.4 looseUnmarshal 3030
6.610.3.5 tightMarshal1 3031
6.610.3.6 tightMarshal2 3031
6.610.3.7 tightUnmarshal 3032
6.611 decaf::lang::Pointer< T, REFCOUNTER > Class Template Reference 3032
6.611.1 Detailed Description 3034
6.611.2 Member Typedef Documentation 3035
6.611.2.1 CounterType 3035
6.611.2.2 PointerType 3035
6.611.2.3 ReferenceType 3035
6.611.3 Constructor & Destructor Documentation 3035
6.611.3.1 Pointer 3035
6.611.3.2 Pointer 3035
6.611.3.3 Pointer 3035
6.611.3.4 Pointer 3036
6.611.3.5 Pointer 3036
6.611.3.6 Pointer 3036
6.611.3.7 ∼Pointer 3037
6.611.4 Member Function Documentation 3037
6.611.4.1 dynamicCast 3037
6.611.4.2 get 3037
6.611.4.3 operator! 3037
6.611.4.4 operator!= 3037
6.611.4.5 operator∗ 3037
6.611.4.6 operator∗ 3037
6.611.4.7 operator-> 3038
6.611.4.8 operator-> 3038
6.611.4.9 operator= 3038
6.611.4.10 operator= 3039
6.611.4.11 operator== 3039
6.611.4.12 release 3039
6.611.4.13 reset 3039
6.611.4.14 staticCast 3040
6.611.4.15 swap 3040

6.611.5 Friends And Related Function Documentation 3040
6.611.5.1 operator!= 3040
6.611.5.2 operator!= 3040
6.611.5.3 operator== 3040
6.611.5.4 operator== 3040
6.612 decaf::lang::PointerComparator< T, R > Class Template Reference . 3040
6.612.1 Detailed Description 3041
6.612.2 Member Function Documentation 3041
6.612.2.1 compare 3041
6.612.2.2 operator() 3041
6.613 activemq::cmsutil::PooledSession Class Reference 3041
6.613.1 Detailed Description 3044
6.613.2 Constructor & Destructor Documentation 3045
6.613.2.1 PooledSession 3045
6.613.2.2 PooledSession 3045
6.613.2.3 ~PooledSession 3045
6.613.3 Member Function Documentation 3045
6.613.3.1 close 3045
6.613.3.2 commit 3045
6.613.3.3 createBrowser 3045
6.613.3.4 createBrowser 3046
6.613.3.5 createBytesMessage 3046
6.613.3.6 createBytesMessage 3047
6.613.3.7 createCachedConsumer 3047
6.613.3.8 createCachedProducer 3047
6.613.3.9 createConsumer 3048
6.613.3.10 createConsumer 3048
6.613.3.11 createConsumer 3049
6.613.3.12 createDurableConsumer 3049
6.613.3.13 createMapMessage 3050
6.613.3.14 createMessage 3050
6.613.3.15 createProducer 3051
6.613.3.16 createQueue 3051
6.613.3.17 createStreamMessage 3052
6.613.3.18 createTemporaryQueue 3052
6.613.3.19 createTemporaryTopic 3052
6.613.3.20 createTextMessage 3052
6.613.3.21 createTextMessage 3053
6.613.3.22 createTopic 3053
6.613.3.23 getAcknowledgeMode 3053
6.613.3.24 getSession 3054
6.613.3.25 getSession 3054
6.613.3.26 isTransacted 3054
6.613.3.27 operator= 3054
6.613.3.28 recover 3054
6.613.3.29 rollback 3055
6.613.3.30 unsubscribe 3055
6.614 decaf::util::concurrent::PooledThread Class Reference 3056
6.614.1 Constructor & Destructor Documentation 3057
6.614.1.1 PooledThread 3057

6.614.1.2 ∼PooledThread 3057
6.614.2 Member Function Documentation 3057
6.614.2.1 getPooledThreadListener 3057
6.614.2.2 isBusy 3057
6.614.2.3 run 3057
6.614.2.4 setPooledThreadListener 3057
6.614.2.5 stop 3058
6.615 decaf::util::concurrent::PooledThreadListener Class Reference 3058
6.615.1 Detailed Description 3059
6.615.2 Constructor & Destructor Documentation 3059
6.615.2.1 ∼PooledThreadListener 3059
6.615.3 Member Function Documentation 3059
6.615.3.1 onTaskCompleted 3059
6.615.3.2 onTaskException 3059
6.615.3.3 onTaskStarted 3059
6.616 decaf::net::PortUnreachableException Class Reference 3060
6.616.1 Constructor & Destructor Documentation 3061
6.616.1.1 PortUnreachableException 3061
6.616.1.2 PortUnreachableException 3061
6.616.1.3 PortUnreachableException 3061
6.616.1.4 PortUnreachableException 3061
6.616.1.5 PortUnreachableException 3061
6.616.1.6 PortUnreachableException 3062
6.616.1.7 ∼PortUnreachableException 3062
6.616.2 Member Function Documentation 3062
6.616.2.1 clone 3062
6.617 activemq::core::PrefetchPolicy Class Reference 3062
6.617.1 Detailed Description 3064
6.617.2 Constructor & Destructor Documentation 3064
6.617.2.1 PrefetchPolicy 3064
6.617.2.2 ∼PrefetchPolicy 3064
6.617.3 Member Function Documentation 3064
6.617.3.1 clone 3064
6.617.3.2 configure 3064
6.617.3.3 getDurableTopicPrefetch 3065
6.617.3.4 getMaxPrefetchLimit 3065
6.617.3.5 getQueueBrowserPrefetch 3065
6.617.3.6 getQueuePrefetch 3065
6.617.3.7 getTopicPrefetch 3066
6.617.3.8 setDurableTopicPrefetch 3066
6.617.3.9 setQueueBrowserPrefetch 3066
6.617.3.10 setQueuePrefetch 3066
6.617.3.11 setTopicPrefetch 3067
6.618 activemq::util::PrimitiveList Class Reference 3067
6.618.1 Detailed Description 3070
6.618.2 Constructor & Destructor Documentation 3070
6.618.2.1 PrimitiveList 3070
6.618.2.2 ∼PrimitiveList 3070
6.618.2.3 PrimitiveList 3070
6.618.2.4 PrimitiveList 3070

6.618.3 Member Function Documentation 3070
6.618.3.1 getBool 3070
6.618.3.2 getByte 3071
6.618.3.3 getByteArray 3071
6.618.3.4 getChar 3072
6.618.3.5 getDouble 3072
6.618.3.6 getFloat 3073
6.618.3.7 getInt 3073
6.618.3.8 getLong 3074
6.618.3.9 getShort 3074
6.618.3.10 getString 3075
6.618.3.11 setBool 3075
6.618.3.12 setByte 3075
6.618.3.13 setByteArray 3076
6.618.3.14 setChar 3076
6.618.3.15 setDouble 3077
6.618.3.16 setFloat 3077
6.618.3.17 setInt 3077
6.618.3.18 setLong 3078
6.618.3.19 setShort 3078
6.618.3.20 setString 3078
6.618.3.21 toString 3079
6.619 activemq::util::PrimitiveMap Class Reference 3079
6.619.1 Detailed Description 3081
6.619.2 Constructor & Destructor Documentation 3082
6.619.2.1 PrimitiveMap 3082
6.619.2.2 ~PrimitiveMap 3082
6.619.2.3 PrimitiveMap 3082
6.619.2.4 PrimitiveMap 3082
6.619.3 Member Function Documentation 3082
6.619.3.1 getBool 3082
6.619.3.2 getByte 3083
6.619.3.3 getByteArray 3083
6.619.3.4 getChar 3084
6.619.3.5 getDouble 3084
6.619.3.6 getFloat 3085
6.619.3.7 getInt 3085
6.619.3.8 getLong 3086
6.619.3.9 getShort 3086
6.619.3.10 getString 3087
6.619.3.11 setBool 3087
6.619.3.12 setByte 3087
6.619.3.13 setByteArray 3088
6.619.3.14 setChar 3088
6.619.3.15 setDouble 3088
6.619.3.16 setFloat 3088
6.619.3.17 setInt 3089
6.619.3.18 setLong 3089
6.619.3.19 setShort 3089
6.619.3.20 setString 3089

6.619.3.2 toString . . . 3090
6.620 activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller Class Reference . . . 3090
6.620.1 Detailed Description . . . 3092
6.620.2 Constructor & Destructor Documentation . . . 3092
6.620.2.1 PrimitiveTypesMarshaller . . . 3092
6.620.2.2 ~PrimitiveTypesMarshaller . . . 3092
6.620.3 Member Function Documentation . . . 3092
6.620.3.1 marshal . . . 3092
6.620.3.2 marshal . . . 3092
6.620.3.3 marshalList . . . 3093
6.620.3.4 marshalMap . . . 3093
6.620.3.5 marshalPrimitive . . . 3093
6.620.3.6 marshalPrimitiveList . . . 3094
6.620.3.7 marshalPrimitiveMap . . . 3094
6.620.3.8 unmarshal . . . 3094
6.620.3.9 unmarshal . . . 3095
6.620.3.10 unmarshalList . . . 3095
6.620.3.11 unmarshalMap . . . 3095
6.620.3.12 unmarshalPrimitive . . . 3096
6.620.3.13 unmarshalPrimitiveList . . . 3096
6.620.3.14 unmarshalPrimitiveMap . . . 3096
6.621 activemq::util::PrimitiveValueNode::PrimitiveValue Union Reference 3097
6.621.1 Detailed Description . . . 3097
6.621.2 Field Documentation . . . 3098
6.621.2.1 boolValue . . . 3098
6.621.2.2 byteArrayValue . . . 3098
6.621.2.3 byteValue . . . 3098
6.621.2.4 charValue . . . 3098
6.621.2.5 doubleValue . . . 3098
6.621.2.6 floatValue . . . 3098
6.621.2.7 intValue . . . 3098
6.621.2.8 listValue . . . 3098
6.621.2.9 longValue . . . 3098
6.621.2.10 mapValue . . . 3098
6.621.2.11 shortValue . . . 3098
6.621.2.12 stringValue . . . 3098
6.622 activemq::util::PrimitiveValueConverter Class Reference . . . 3098
6.622.1 Detailed Description . . . 3099
6.622.2 Constructor & Destructor Documentation . . . 3099
6.622.2.1 PrimitiveValueConverter . . . 3099
6.622.2.2 ~PrimitiveValueConverter . . . 3099
6.622.3 Member Function Documentation . . . 3099
6.622.3.1 convert . . . 3099
6.623 activemq::util::PrimitiveValueNode Class Reference . . . 3099
6.623.1 Detailed Description . . . 3103
6.623.2 Member Enumeration Documentation . . . 3104
6.623.2.1 PrimitiveType . . . 3104
6.623.3 Constructor & Destructor Documentation . . . 3104
6.623.3.1 PrimitiveValueNode . . . 3104

6.623.3.2 PrimitiveValueNode 3104
6.623.3.3 PrimitiveValueNode 3105
6.623.3.4 PrimitiveValueNode 3105
6.623.3.5 PrimitiveValueNode 3105
6.623.3.6 PrimitiveValueNode 3105
6.623.3.7 PrimitiveValueNode 3105
6.623.3.8 PrimitiveValueNode 3105
6.623.3.9 PrimitiveValueNode 3106
6.623.3.10 PrimitiveValueNode 3106
6.623.3.11 PrimitiveValueNode 3106
6.623.3.12 PrimitiveValueNode 3106
6.623.3.13 PrimitiveValueNode 3106
6.623.3.14 PrimitiveValueNode 3107
6.623.3.15 PrimitiveValueNode 3107
6.623.3.16 ~PrimitiveValueNode 3107
6.623.4 Member Function Documentation 3107
6.623.4.1 clear 3107
6.623.4.2 getBool 3107
6.623.4.3 getByte 3107
6.623.4.4 getByteArray 3108
6.623.4.5 getChar 3108
6.623.4.6 getDouble 3108
6.623.4.7 getFloat 3109
6.623.4.8 getInt 3109
6.623.4.9 getList 3109
6.623.4.10 getLong 3110
6.623.4.11 getMap 3110
6.623.4.12 getShort 3110
6.623.4.13 getString 3110
6.623.4.14 getType 3111
6.623.4.15 getValue 3111
6.623.4.16 operator= 3111
6.623.4.17 operator== 3111
6.623.4.18 setBool 3112
6.623.4.19 setByte 3112
6.623.4.20 setByteArray 3112
6.623.4.21 setChar 3112
6.623.4.22 setDouble 3112
6.623.4.23 setFloat 3113
6.623.4.24 setInt 3113
6.623.4.25 setList 3113
6.623.4.26 setLong 3113
6.623.4.27 setMap 3113
6.623.4.28 setShort 3114
6.623.4.29 setString 3114
6.623.4.30 setValue 3114
6.623.4.31 toString 3114
6.624 decaf::security::Principal Class Reference 3114
6.624.1 Detailed Description 3115
6.624.2 Constructor & Destructor Documentation 3115

6.624.2.1 ∼Principal 3115
6.624.3 Member Function Documentation 3115
6.624.3.1 equals 3115
6.624.3.2 getName 3115
6.625 decaf::util::PriorityQueue< E > Class Template Reference 3116
6.625.1 Detailed Description 3118
6.625.2 Constructor & Destructor Documentation 3118
6.625.2.1 PriorityQueue 3118
6.625.2.2 PriorityQueue 3118
6.625.2.3 PriorityQueue 3119
6.625.2.4 PriorityQueue 3119
6.625.2.5 PriorityQueue 3119
6.625.2.6 ∼PriorityQueue 3120
6.625.3 Member Function Documentation 3120
6.625.3.1 add 3120
6.625.3.2 clear 3120
6.625.3.3 comparator 3120
6.625.3.4 iterator 3121
6.625.3.5 iterator 3121
6.625.3.6 offer 3121
6.625.3.7 operator= 3122
6.625.3.8 operator= 3122
6.625.3.9 peek 3122
6.625.3.10 poll 3122
6.625.3.11 remove 3123
6.625.3.12 remove 3123
6.625.3.13 size 3124
6.625.4 Friends And Related Function Documentation 3124
6.625.4.1 PriorityQueueIterator 3124
6.626 activemq::commands::ProducerAck Class Reference 3124
6.626.1 Constructor & Destructor Documentation 3126
6.626.1.1 ProducerAck 3126
6.626.1.2 ∼ProducerAck 3126
6.626.2 Member Function Documentation 3126
6.626.2.1 cloneDataStructure 3126
6.626.2.2 copyDataStructure 3126
6.626.2.3 equals 3126
6.626.2.4 getDataStructureType 3127
6.626.2.5 getProducerId 3127
6.626.2.6 getProducerId 3127
6.626.2.7 getSize 3127
6.626.2.8 isProducerAck 3127
6.626.2.9 setProducerId 3127
6.626.2.10 setSize 3127
6.626.2.11 toString 3127
6.626.2.12 visit 3128
6.626.3 Field Documentation 3128
6.626.3.1 ID_PRODUCERACK 3128
6.626.3.2 producerId 3128
6.626.3.3 size 3128

6.627 activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller Class Reference . . . 3128
6.627.1 Detailed Description . . . 3129
6.627.2 Constructor & Destructor Documentation . . . 3130
6.627.2.1 ProducerAckMarshaller . . . 3130
6.627.2.2 ~ProducerAckMarshaller . . . 3130
6.627.3 Member Function Documentation . . . 3130
6.627.3.1 createObject . . . 3130
6.627.3.2 getDataStructureType . . . 3130
6.627.3.3 looseMarshal . . . 3130
6.627.3.4 looseUnmarshal . . . 3131
6.627.3.5 tightMarshal1 . . . 3131
6.627.3.6 tightMarshal2 . . . 3132
6.627.3.7 tightUnmarshal . . . 3132
6.628 activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller Class Reference . . . 3133
6.628.1 Detailed Description . . . 3134
6.628.2 Constructor & Destructor Documentation . . . 3134
6.628.2.1 ProducerAckMarshaller . . . 3134
6.628.2.2 ~ProducerAckMarshaller . . . 3134
6.628.3 Member Function Documentation . . . 3134
6.628.3.1 createObject . . . 3134
6.628.3.2 getDataStructureType . . . 3134
6.628.3.3 looseMarshal . . . 3134
6.628.3.4 looseUnmarshal . . . 3135
6.628.3.5 tightMarshal1 . . . 3135
6.628.3.6 tightMarshal2 . . . 3136
6.628.3.7 tightUnmarshal . . . 3136
6.629 activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller Class Reference . . . 3137
6.629.1 Detailed Description . . . 3138
6.629.2 Constructor & Destructor Documentation . . . 3138
6.629.2.1 ProducerAckMarshaller . . . 3138
6.629.2.2 ~ProducerAckMarshaller . . . 3138
6.629.3 Member Function Documentation . . . 3138
6.629.3.1 createObject . . . 3138
6.629.3.2 getDataStructureType . . . 3138
6.629.3.3 looseMarshal . . . 3139
6.629.3.4 looseUnmarshal . . . 3139
6.629.3.5 tightMarshal1 . . . 3140
6.629.3.6 tightMarshal2 . . . 3140
6.629.3.7 tightUnmarshal . . . 3141
6.630 activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller Class Reference . . . 3141
6.630.1 Detailed Description . . . 3142
6.630.2 Constructor & Destructor Documentation . . . 3142
6.630.2.1 ProducerAckMarshaller . . . 3142
6.630.2.2 ~ProducerAckMarshaller . . . 3142
6.630.3 Member Function Documentation . . . 3142
6.630.3.1 createObject . . . 3142

6.630.3.2 getDataStructureType 3143
6.630.3.3 looseMarshal 3143
6.630.3.4 looseUnmarshal 3143
6.630.3.5 tightMarshal1 3144
6.630.3.6 tightMarshal2 3144
6.630.3.7 tightUnmarshal 3145
6.631 activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller Class Reference 3145
6.631.1 Detailed Description 3146
6.631.2 Constructor & Destructor Documentation 3147
6.631.2.1 ProducerAckMarshaller 3147
6.631.2.2 ∼ProducerAckMarshaller 3147
6.631.3 Member Function Documentation 3147
6.631.3.1 createObject 3147
6.631.3.2 getDataStructureType 3147
6.631.3.3 looseMarshal 3147
6.631.3.4 looseUnmarshal 3148
6.631.3.5 tightMarshal1 3148
6.631.3.6 tightMarshal2 3149
6.631.3.7 tightUnmarshal 3149
6.632 activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller Class Reference 3150
6.632.1 Detailed Description 3151
6.632.2 Constructor & Destructor Documentation 3151
6.632.2.1 ProducerAckMarshaller 3151
6.632.2.2 ∼ProducerAckMarshaller 3151
6.632.3 Member Function Documentation 3151
6.632.3.1 createObject 3151
6.632.3.2 getDataStructureType 3151
6.632.3.3 looseMarshal 3151
6.632.3.4 looseUnmarshal 3152
6.632.3.5 tightMarshal1 3152
6.632.3.6 tightMarshal2 3153
6.632.3.7 tightUnmarshal 3153
6.633 activemq::cmsutil::ProducerCallback Class Reference 3154
6.633.1 Detailed Description 3154
6.633.2 Constructor & Destructor Documentation 3154
6.633.2.1 ∼ProducerCallback 3154
6.633.3 Member Function Documentation 3154
6.633.3.1 doInCms 3154
6.634 activemq::cmsutil::CmsTemplate::ProducerExecutor Class Reference 3155
6.634.1 Constructor & Destructor Documentation 3156
6.634.1.1 ProducerExecutor 3156
6.634.1.2 ProducerExecutor 3156
6.634.1.3 ∼ProducerExecutor 3156
6.634.2 Member Function Documentation 3156
6.634.2.1 doInCms 3156
6.634.2.2 getDestination 3156
6.634.2.3 operator= 3156
6.634.3 Field Documentation 3156

6.634.3.1 action 3156
6.634.3.2 destination 3156
6.634.3.3 parent 3156
6.635 activemq::commands::ProducerId Class Reference 3157
6.635.1 Member Typedef Documentation 3158
6.635.1.1 COMPARATOR 3158
6.635.2 Constructor & Destructor Documentation 3158
6.635.2.1 ProducerId 3158
6.635.2.2 ProducerId 3158
6.635.2.3 ProducerId 3158
6.635.2.4 ProducerId 3158
6.635.2.5 ~ProducerId 3158
6.635.3 Member Function Documentation 3158
6.635.3.1 cloneDataStructure 3158
6.635.3.2 compareTo 3159
6.635.3.3 copyDataStructure 3159
6.635.3.4 equals 3159
6.635.3.5 equals 3159
6.635.3.6 getConnectionId 3159
6.635.3.7 getConnectionId 3159
6.635.3.8 getDataStructureType 3159
6.635.3.9 getParentId 3160
6.635.3.10 getSessionId 3160
6.635.3.11 getValue 3160
6.635.3.12 operator< 3160
6.635.3.13 operator= 3160
6.635.3.14 operator== 3160
6.635.3.15 setConnectionId 3160
6.635.3.16 setProducerSessionKey 3160
6.635.3.17 setSessionId 3160
6.635.3.18 setValue 3160
6.635.3.19 toString 3160
6.635.4 Field Documentation 3161
6.635.4.1 connectionId 3161
6.635.4.2 ID_PRODUCERID 3161
6.635.4.3 sessionId 3161
6.635.4.4 value 3161
6.636 activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller Class Reference 3161
6.636.1 Detailed Description 3162
6.636.2 Constructor & Destructor Documentation 3162
6.636.2.1 ProducerIdMarshaller 3162
6.636.2.2 ~ProducerIdMarshaller 3162
6.636.3 Member Function Documentation 3162
6.636.3.1 createObject 3162
6.636.3.2 getDataStructureType 3163
6.636.3.3 looseMarshal 3163
6.636.3.4 looseUnmarshal 3163
6.636.3.5 tightMarshal1 3164
6.636.3.6 tightMarshal2 3164

6.636.3.7 tightUnmarshal 3165
6.637 activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller Class Reference 3165
6.637.1 Detailed Description 3166
6.637.2 Constructor & Destructor Documentation 3166
6.637.2.1 ProducerIdMarshaller 3166
6.637.2.2 ∼ProducerIdMarshaller 3166
6.637.3 Member Function Documentation 3166
6.637.3.1 createObject 3166
6.637.3.2 getDataStructureType 3167
6.637.3.3 looseMarshal 3167
6.637.3.4 looseUnmarshal 3167
6.637.3.5 tightMarshal1 3168
6.637.3.6 tightMarshal2 3168
6.637.3.7 tightUnmarshal 3169
6.638 activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller Class Reference 3169
6.638.1 Detailed Description 3170
6.638.2 Constructor & Destructor Documentation 3170
6.638.2.1 ProducerIdMarshaller 3170
6.638.2.2 ∼ProducerIdMarshaller 3170
6.638.3 Member Function Documentation 3170
6.638.3.1 createObject 3170
6.638.3.2 getDataStructureType 3171
6.638.3.3 looseMarshal 3171
6.638.3.4 looseUnmarshal 3171
6.638.3.5 tightMarshal1 3172
6.638.3.6 tightMarshal2 3172
6.638.3.7 tightUnmarshal 3173
6.639 activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller Class Reference 3173
6.639.1 Detailed Description 3174
6.639.2 Constructor & Destructor Documentation 3174
6.639.2.1 ProducerIdMarshaller 3174
6.639.2.2 ∼ProducerIdMarshaller 3174
6.639.3 Member Function Documentation 3174
6.639.3.1 createObject 3174
6.639.3.2 getDataStructureType 3175
6.639.3.3 looseMarshal 3175
6.639.3.4 looseUnmarshal 3175
6.639.3.5 tightMarshal1 3176
6.639.3.6 tightMarshal2 3176
6.639.3.7 tightUnmarshal 3177
6.640 activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller Class Reference 3177
6.640.1 Detailed Description 3178
6.640.2 Constructor & Destructor Documentation 3178
6.640.2.1 ProducerIdMarshaller 3178
6.640.2.2 ∼ProducerIdMarshaller 3178
6.640.3 Member Function Documentation 3178

6.640.3.1 createObject 3178
6.640.3.2 getDataStructureType 3179
6.640.3.3 looseMarshal 3179
6.640.3.4 looseUnmarshal 3179
6.640.3.5 tightMarshal1 3180
6.640.3.6 tightMarshal2 3180
6.640.3.7 tightUnmarshal 3181
6.641 activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller Class Reference 3181
6.641.1 Detailed Description 3182
6.641.2 Constructor & Destructor Documentation 3182
6.641.2.1 ProducerIdMarshaller 3182
6.641.2.2 ~ProducerIdMarshaller 3182
6.641.3 Member Function Documentation 3182
6.641.3.1 createObject 3182
6.641.3.2 getDataStructureType 3183
6.641.3.3 looseMarshal 3183
6.641.3.4 looseUnmarshal 3183
6.641.3.5 tightMarshal1 3184
6.641.3.6 tightMarshal2 3184
6.641.3.7 tightUnmarshal 3185
6.642 activemq::commands::ProducerInfo Class Reference 3185
6.642.1 Constructor & Destructor Documentation 3187
6.642.1.1 ProducerInfo 3187
6.642.1.2 ~ProducerInfo 3187
6.642.2 Member Function Documentation 3187
6.642.2.1 cloneDataStructure 3187
6.642.2.2 copyDataStructure 3187
6.642.2.3 createRemoveCommand 3187
6.642.2.4 equals 3187
6.642.2.5 getBrokerPath 3188
6.642.2.6 getBrokerPath 3188
6.642.2.7 getDataStructureType 3188
6.642.2.8 getDestination 3188
6.642.2.9 getDestination 3188
6.642.2.10 getProducerId 3188
6.642.2.11 getProducerId 3188
6.642.2.12 getWindowSize 3188
6.642.2.13 isDispatchAsync 3188
6.642.2.14 isProducerInfo 3188
6.642.2.15 setBrokerPath 3189
6.642.2.16 setDestination 3189
6.642.2.17 setDispatchAsync 3189
6.642.2.18 setProducerId 3189
6.642.2.19 setWindowSize 3189
6.642.2.20 toString 3189
6.642.2.21 visit 3189
6.642.3 Field Documentation 3190
6.642.3.1 brokerPath 3190
6.642.3.2 destination 3190

6.642.3.3 dispatchAsync 3190
6.642.3.4 ID_PRODUCERINFO 3190
6.642.3.5 producerId 3190
6.642.3.6 windowSize 3190
6.643 activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller Class Reference 3190
6.643.1 Detailed Description 3191
6.643.2 Constructor & Destructor Documentation 3191
6.643.2.1 ProducerInfoMarshaller 3191
6.643.2.2 ∼ProducerInfoMarshaller 3191
6.643.3 Member Function Documentation 3191
6.643.3.1 createObject 3191
6.643.3.2 getDataStructureType 3192
6.643.3.3 looseMarshal 3192
6.643.3.4 looseUnmarshal 3192
6.643.3.5 tightMarshal1 3193
6.643.3.6 tightMarshal2 3193
6.643.3.7 tightUnmarshal 3194
6.644 activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller Class Reference 3194
6.644.1 Detailed Description 3195
6.644.2 Constructor & Destructor Documentation 3196
6.644.2.1 ProducerInfoMarshaller 3196
6.644.2.2 ∼ProducerInfoMarshaller 3196
6.644.3 Member Function Documentation 3196
6.644.3.1 createObject 3196
6.644.3.2 getDataStructureType 3196
6.644.3.3 looseMarshal 3196
6.644.3.4 looseUnmarshal 3197
6.644.3.5 tightMarshal1 3197
6.644.3.6 tightMarshal2 3198
6.644.3.7 tightUnmarshal 3198
6.645 activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller Class Reference 3199
6.645.1 Detailed Description 3200
6.645.2 Constructor & Destructor Documentation 3200
6.645.2.1 ProducerInfoMarshaller 3200
6.645.2.2 ∼ProducerInfoMarshaller 3200
6.645.3 Member Function Documentation 3200
6.645.3.1 createObject 3200
6.645.3.2 getDataStructureType 3200
6.645.3.3 looseMarshal 3200
6.645.3.4 looseUnmarshal 3201
6.645.3.5 tightMarshal1 3201
6.645.3.6 tightMarshal2 3202
6.645.3.7 tightUnmarshal 3202
6.646 activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller Class Reference 3203
6.646.1 Detailed Description 3204
6.646.2 Constructor & Destructor Documentation 3204

6.646.2.1 ProducerInfoMarshaller 3204
6.646.2.2 ∼ProducerInfoMarshaller 3204
6.646.3 Member Function Documentation 3204
6.646.3.1 createObject 3204
6.646.3.2 getDataStructureType 3204
6.646.3.3 looseMarshal 3205
6.646.3.4 looseUnmarshal 3205
6.646.3.5 tightMarshal1 3206
6.646.3.6 tightMarshal2 3206
6.646.3.7 tightUnmarshal 3207
6.647 activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller Class Reference 3207
6.647.1 Detailed Description 3208
6.647.2 Constructor & Destructor Documentation 3208
6.647.2.1 ProducerInfoMarshaller 3208
6.647.2.2 ∼ProducerInfoMarshaller 3208
6.647.3 Member Function Documentation 3208
6.647.3.1 createObject 3208
6.647.3.2 getDataStructureType 3209
6.647.3.3 looseMarshal 3209
6.647.3.4 looseUnmarshal 3209
6.647.3.5 tightMarshal1 3210
6.647.3.6 tightMarshal2 3210
6.647.3.7 tightUnmarshal 3211
6.648 activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller Class Reference 3211
6.648.1 Detailed Description 3212
6.648.2 Constructor & Destructor Documentation 3213
6.648.2.1 ProducerInfoMarshaller 3213
6.648.2.2 ∼ProducerInfoMarshaller 3213
6.648.3 Member Function Documentation 3213
6.648.3.1 createObject 3213
6.648.3.2 getDataStructureType 3213
6.648.3.3 looseMarshal 3213
6.648.3.4 looseUnmarshal 3214
6.648.3.5 tightMarshal1 3214
6.648.3.6 tightMarshal2 3215
6.648.3.7 tightUnmarshal 3215
6.649 activemq::state::ProducerState Class Reference 3216
6.649.1 Constructor & Destructor Documentation 3216
6.649.1.1 ProducerState 3216
6.649.1.2 ∼ProducerState 3216
6.649.2 Member Function Documentation 3216
6.649.2.1 getInfo 3216
6.649.2.2 getTransactionState 3216
6.649.2.3 setTransactionState 3216
6.649.2.4 toString 3216
6.650 decaf::util::Properties Class Reference 3216
6.650.1 Detailed Description 3218
6.650.2 Constructor & Destructor Documentation 3219

6.650.2.1 Properties 3219
6.650.2.2 Properties 3219
6.650.2.3 ~Properties 3219
6.650.3 Member Function Documentation 3219
6.650.3.1 clear 3219
6.650.3.2 clone 3219
6.650.3.3 copy 3219
6.650.3.4 equals 3219
6.650.3.5 getProperty 3220
6.650.3.6 getProperty 3220
6.650.3.7 hasProperty 3220
6.650.3.8 isEmpty 3220
6.650.3.9 load 3221
6.650.3.10 load 3221
6.650.3.11 operator= 3223
6.650.3.12 propertyNames 3223
6.650.3.13 remove 3224
6.650.3.14 setProperty 3224
6.650.3.15 size 3224
6.650.3.16 store 3224
6.650.3.17 store 3225
6.650.3.18 toArray 3226
6.650.3.19 toString 3226
6.650.4 Field Documentation 3226
6.650.4.1 defaults 3226
6.651 decaf::util::logging::PropertiesChangeListener Class Reference 3227
6.651.1 Detailed Description 3227
6.651.2 Constructor & Destructor Documentation 3227
6.651.2.1 ~PropertiesChangeListener 3227
6.651.3 Member Function Documentation 3227
6.651.3.1 onPropertiesReset 3227
6.651.3.2 onPropertyChanged 3228
6.652 decaf::net::ProtocolException Class Reference 3228
6.652.1 Constructor & Destructor Documentation 3229
6.652.1.1 ProtocolException 3229
6.652.1.2 ProtocolException 3229
6.652.1.3 ProtocolException 3229
6.652.1.4 ProtocolException 3229
6.652.1.5 ProtocolException 3230
6.652.1.6 ProtocolException 3230
6.652.1.7 ~ProtocolException 3230
6.652.2 Member Function Documentation 3230
6.652.2.1 clone 3230
6.653 decaf::security::PublicKey Class Reference 3231
6.653.1 Detailed Description 3231
6.653.2 Constructor & Destructor Documentation 3231
6.653.2.1 ~PublicKey 3231
6.654 decaf::io::PushbackInputStream Class Reference 3231
6.654.1 Detailed Description 3233
6.654.2 Constructor & Destructor Documentation 3233

6.654.2.1 PushbackInputStream 3233
6.654.2.2 PushbackInputStream 3234
6.654.2.3 ∼PushbackInputStream 3234
6.654.3 Member Function Documentation 3234
6.654.3.1 available 3234
6.654.3.2 doReadArrayBounded 3235
6.654.3.3 doReadByte 3235
6.654.3.4 mark 3235
6.654.3.5 markSupported 3235
6.654.3.6 reset 3236
6.654.3.7 skip 3236
6.654.3.8 unread 3237
6.654.3.9 unread 3237
6.654.3.10 unread 3238
6.655 cms::Queue Class Reference 3238
6.655.1 Detailed Description 3239
6.655.2 Constructor & Destructor Documentation 3239
6.655.2.1 ∼Queue 3239
6.655.3 Member Function Documentation 3239
6.655.3.1 getQueueName 3239
6.656 decaf::util::Queue< E > Class Template Reference 3239
6.656.1 Detailed Description 3240
6.656.2 Constructor & Destructor Documentation 3241
6.656.2.1 ∼Queue 3241
6.656.3 Member Function Documentation 3241
6.656.3.1 element 3241
6.656.3.2 offer 3241
6.656.3.3 peek 3242
6.656.3.4 poll 3242
6.656.3.5 remove 3243
6.657 cms::QueueBrowser Class Reference 3243
6.657.1 Detailed Description 3244
6.657.2 Constructor & Destructor Documentation 3244
6.657.2.1 ∼QueueBrowser 3244
6.657.3 Member Function Documentation 3244
6.657.3.1 getEnumeration 3244
6.657.3.2 getMessageSelector 3245
6.657.3.3 getQueue 3245
6.658 decaf::util::Random Class Reference 3245
6.658.1 Detailed Description 3247
6.658.2 Constructor & Destructor Documentation 3247
6.658.2.1 Random 3247
6.658.2.2 Random 3247
6.658.3 Member Function Documentation 3247
6.658.3.1 next 3247
6.658.3.2 nextBoolean 3248
6.658.3.3 nextBytes 3248
6.658.3.4 nextBytes 3249
6.658.3.5 nextDouble 3249
6.658.3.6 nextFloat 3249

6.658.3.7 nextGaussian 3249
6.658.3.8 nextInt 3250
6.658.3.9 nextInt 3250
6.658.3.10 nextLong 3250
6.658.3.11 setSeed 3251
6.659 decaf::lang::Readable Class Reference 3251
6.659.1 Detailed Description 3252
6.659.2 Constructor & Destructor Documentation 3252
6.659.2.1 ∼Readable 3252
6.659.3 Member Function Documentation 3252
6.659.3.1 read 3252
6.660 activemq::transport::inactivity::ReadChecker Class Reference 3253
6.660.1 Detailed Description 3253
6.660.2 Constructor & Destructor Documentation 3253
6.660.2.1 ReadChecker 3253
6.660.2.2 ∼ReadChecker 3253
6.660.3 Member Function Documentation 3253
6.660.3.1 run 3253
6.661 decaf::io::Reader Class Reference 3254
6.661.1 Constructor & Destructor Documentation 3255
6.661.1.1 Reader 3255
6.661.1.2 ∼Reader 3255
6.661.2 Member Function Documentation 3255
6.661.2.1 doReadArray 3255
6.661.2.2 doReadArrayBounded 3256
6.661.2.3 doReadChar 3256
6.661.2.4 doReadCharBuffer 3256
6.661.2.5 doReadVector 3256
6.661.2.6 mark 3256
6.661.2.7 markSupported 3257
6.661.2.8 read 3257
6.661.2.9 read 3257
6.661.2.10 read 3258
6.661.2.11 read 3258
6.661.2.12 read 3259
6.661.2.13 ready 3259
6.661.2.14 reset 3260
6.661.2.15 skip 3260
6.662 decaf::nio::ReadOnlyBufferException Class Reference 3260
6.662.1 Constructor & Destructor Documentation 3261
6.662.1.1 ReadOnlyBufferException 3261
6.662.1.2 ReadOnlyBufferException 3261
6.662.1.3 ReadOnlyBufferException 3262
6.662.1.4 ReadOnlyBufferException 3262
6.662.1.5 ReadOnlyBufferException 3262
6.662.1.6 ReadOnlyBufferException 3262
6.662.1.7 ∼ReadOnlyBufferException 3263
6.662.2 Member Function Documentation 3263
6.662.2.1 clone 3263
6.663 decaf::util::concurrent::locks::ReadWriteLock Class Reference 3263

6.663.1 Detailed Description 3263
6.663.2 Constructor & Destructor Documentation 3265
6.663.2.1 ~ReadWriteLock 3265
6.663.3 Member Function Documentation 3265
6.663.3.1 readLock 3265
6.663.3.2 writeLock 3265
6.664 activemq::cmsutil::CmsTemplate::ReceiveExecutor Class Reference . 3265
6.664.1 Constructor & Destructor Documentation 3266
6.664.1.1 ReceiveExecutor 3266
6.664.1.2 ReceiveExecutor 3266
6.664.1.3 ~ReceiveExecutor 3266
6.664.2 Member Function Documentation 3266
6.664.2.1 doInCms 3266
6.664.2.2 getDestination 3267
6.664.2.3 getMessage 3267
6.664.2.4 operator= 3267
6.664.3 Field Documentation 3267
6.664.3.1 destination 3267
6.664.3.2 message 3267
6.664.3.3 noLocal 3267
6.664.3.4 parent 3267
6.664.3.5 selector 3267
6.665 activemq::core::RedeliveryPolicy Class Reference 3267
6.665.1 Detailed Description 3268
6.665.2 Constructor & Destructor Documentation 3269
6.665.2.1 RedeliveryPolicy 3269
6.665.2.2 ~RedeliveryPolicy 3269
6.665.3 Member Function Documentation 3269
6.665.3.1 clone 3269
6.665.3.2 configure 3269
6.665.3.3 getBackOffMultiplier 3270
6.665.3.4 getCollisionAvoidancePercent 3270
6.665.3.5 getInitialRedeliveryDelay 3270
6.665.3.6 getMaximumRedeliveries 3270
6.665.3.7 getRedeliveryDelay 3270
6.665.3.8 isUseCollisionAvoidance 3271
6.665.3.9 isUseExponentialBackOff 3271
6.665.3.10 setBackOffMultiplier 3271
6.665.3.11 setCollisionAvoidancePercent 3271
6.665.3.12 setInitialRedeliveryDelay 3272
6.665.3.13 setMaximumRedeliveries 3272
6.665.3.14 setUseCollisionAvoidance 3272
6.665.3.15 setUseExponentialBackOff 3272
6.665.4 Field Documentation 3272
6.665.4.1 NO_MAXIMUM_REDELIVERIES 3272
6.666 decaf::util::concurrent::locks::ReentrantLock Class Reference 3273
6.666.1 Detailed Description 3274
6.666.2 Constructor & Destructor Documentation 3275
6.666.2.1 ReentrantLock 3275
6.666.2.2 ~ReentrantLock 3275

6.666.3 Member Function Documentation 3275
6.666.3.1 getHoldCount 3275
6.666.3.2 isFair 3275
6.666.3.3 isHeldByCurrentThread 3275
6.666.3.4 isLocked 3276
6.666.3.5 lock 3276
6.666.3.6 lockInterruptibly 3276
6.666.3.7 newCondition 3277
6.666.3.8 toString 3278
6.666.3.9 tryLock 3278
6.666.3.10 tryLock 3279
6.666.3.11 unlock 3280
6.667 decaf::util::concurrent::RejectedExecutionException Class Reference 3280
6.667.1 Constructor & Destructor Documentation 3281
6.667.1.1 RejectedExecutionException 3281
6.667.1.2 RejectedExecutionException 3281
6.667.1.3 RejectedExecutionException 3281
6.667.1.4 RejectedExecutionException 3281
6.667.1.5 RejectedExecutionException 3282
6.667.1.6 RejectedExecutionException 3282
6.667.1.7 ~RejectedExecutionException 3282
6.667.2 Member Function Documentation 3282
6.667.2.1 clone 3282
6.668 decaf::util::concurrent::RejectedExecutionHandler Class Reference . . 3283
6.668.1 Detailed Description 3283
6.668.2 Constructor & Destructor Documentation 3283
6.668.2.1 ~RejectedExecutionHandler 3283
6.668.3 Member Function Documentation 3283
6.668.3.1 rejectedExecution 3283
6.669 activemq::commands::RemoveInfo Class Reference 3284
6.669.1 Constructor & Destructor Documentation 3285
6.669.1.1 RemoveInfo 3285
6.669.1.2 ~RemoveInfo 3285
6.669.2 Member Function Documentation 3285
6.669.2.1 cloneDataStructure 3285
6.669.2.2 copyDataStructure 3285
6.669.2.3 equals 3286
6.669.2.4 getDataStructureType 3286
6.669.2.5 getLastDeliveredSequenceId 3286
6.669.2.6 getObjectId 3286
6.669.2.7 getObjectId 3286
6.669.2.8 isRemoveInfo 3286
6.669.2.9 setLastDeliveredSequenceId 3287
6.669.2.10 setObjectId 3287
6.669.2.11 toString 3287
6.669.2.12 visit 3287
6.669.3 Field Documentation 3287
6.669.3.1 ID_REMOVEINFO 3287
6.669.3.2 lastDeliveredSequenceId 3287
6.669.3.3 objectId 3287

6.670 activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller Class Reference . . . 3288
6.670.1 Detailed Description . . . 3289
6.670.2 Constructor & Destructor Documentation . . . 3289
6.670.2.1 RemoveInfoMarshaller . . . 3289
6.670.2.2 ~RemoveInfoMarshaller . . . 3289
6.670.3 Member Function Documentation . . . 3289
6.670.3.1 createObject . . . 3289
6.670.3.2 getDataStructureType . . . 3289
6.670.3.3 looseMarshal . . . 3289
6.670.3.4 looseUnmarshal . . . 3290
6.670.3.5 tightMarshal1 . . . 3290
6.670.3.6 tightMarshal2 . . . 3291
6.670.3.7 tightUnmarshal . . . 3291
6.671 activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller Class Reference . . . 3292
6.671.1 Detailed Description . . . 3293
6.671.2 Constructor & Destructor Documentation . . . 3293
6.671.2.1 RemoveInfoMarshaller . . . 3293
6.671.2.2 ~RemoveInfoMarshaller . . . 3293
6.671.3 Member Function Documentation . . . 3293
6.671.3.1 createObject . . . 3293
6.671.3.2 getDataStructureType . . . 3293
6.671.3.3 looseMarshal . . . 3294
6.671.3.4 looseUnmarshal . . . 3294
6.671.3.5 tightMarshal1 . . . 3295
6.671.3.6 tightMarshal2 . . . 3295
6.671.3.7 tightUnmarshal . . . 3296
6.672 activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller Class Reference . . . 3296
6.672.1 Detailed Description . . . 3297
6.672.2 Constructor & Destructor Documentation . . . 3297
6.672.2.1 RemoveInfoMarshaller . . . 3297
6.672.2.2 ~RemoveInfoMarshaller . . . 3297
6.672.3 Member Function Documentation . . . 3297
6.672.3.1 createObject . . . 3297
6.672.3.2 getDataStructureType . . . 3298
6.672.3.3 looseMarshal . . . 3298
6.672.3.4 looseUnmarshal . . . 3298
6.672.3.5 tightMarshal1 . . . 3299
6.672.3.6 tightMarshal2 . . . 3299
6.672.3.7 tightUnmarshal . . . 3300
6.673 activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller Class Reference . . . 3300
6.673.1 Detailed Description . . . 3301
6.673.2 Constructor & Destructor Documentation . . . 3302
6.673.2.1 RemoveInfoMarshaller . . . 3302
6.673.2.2 ~RemoveInfoMarshaller . . . 3302
6.673.3 Member Function Documentation . . . 3302
6.673.3.1 createObject . . . 3302

6.673.3.2 getDataStructureType 3302
6.673.3.3 looseMarshal 3302
6.673.3.4 looseUnmarshal 3303
6.673.3.5 tightMarshal1 3303
6.673.3.6 tightMarshal2 3304
6.673.3.7 tightUnmarshal 3304
6.674 activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller Class Reference 3305
6.674.1 Detailed Description 3306
6.674.2 Constructor & Destructor Documentation 3306
6.674.2.1 RemoveInfoMarshaller 3306
6.674.2.2 ∼RemoveInfoMarshaller 3306
6.674.3 Member Function Documentation 3306
6.674.3.1 createObject 3306
6.674.3.2 getDataStructureType 3306
6.674.3.3 looseMarshal 3306
6.674.3.4 looseUnmarshal 3307
6.674.3.5 tightMarshal1 3307
6.674.3.6 tightMarshal2 3308
6.674.3.7 tightUnmarshal 3308
6.675 activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller Class Reference 3309
6.675.1 Detailed Description 3310
6.675.2 Constructor & Destructor Documentation 3310
6.675.2.1 RemoveInfoMarshaller 3310
6.675.2.2 ∼RemoveInfoMarshaller 3310
6.675.3 Member Function Documentation 3310
6.675.3.1 createObject 3310
6.675.3.2 getDataStructureType 3310
6.675.3.3 looseMarshal 3311
6.675.3.4 looseUnmarshal 3311
6.675.3.5 tightMarshal1 3312
6.675.3.6 tightMarshal2 3312
6.675.3.7 tightUnmarshal 3313
6.676 activemq::commands::RemoveSubscriptionInfo Class Reference . . . 3313
6.676.1 Constructor & Destructor Documentation 3315
6.676.1.1 RemoveSubscriptionInfo 3315
6.676.1.2 ∼RemoveSubscriptionInfo 3315
6.676.2 Member Function Documentation 3315
6.676.2.1 cloneDataStructure 3315
6.676.2.2 copyDataStructure 3315
6.676.2.3 equals 3315
6.676.2.4 getClientId 3316
6.676.2.5 getClientId 3316
6.676.2.6 getConnectionId 3316
6.676.2.7 getConnectionId 3316
6.676.2.8 getDataStructureType 3316
6.676.2.9 getSubcriptionName 3316
6.676.2.10 getSubcriptionName 3316
6.676.2.1 lisRemoveSubscriptionInfo 3316

6.676.2.12 setClientId 3317
6.676.2.13 setConnectionId 3317
6.676.2.14 setSubcriptionName 3317
6.676.2.15 toString 3317
6.676.2.16 visit 3317
6.676.3 Field Documentation 3318
6.676.3.1 clientId 3318
6.676.3.2 connectionId 3318
6.676.3.3 ID_REMOVESUBSCRIPTIONINFO 3318
6.676.3.4 subcriptionName 3318
6.677 activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller Class Reference 3318
6.677.1 Detailed Description 3319
6.677.2 Constructor & Destructor Documentation 3319
6.677.2.1 RemoveSubscriptionInfoMarshaller 3319
6.677.2.2 ~RemoveSubscriptionInfoMarshaller 3319
6.677.3 Member Function Documentation 3319
6.677.3.1 createObject 3319
6.677.3.2 getDataStructureType 3320
6.677.3.3 looseMarshal 3320
6.677.3.4 looseUnmarshal 3320
6.677.3.5 tightMarshal1 3321
6.677.3.6 tightMarshal2 3321
6.677.3.7 tightUnmarshal 3322
6.678 activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller Class Reference 3322
6.678.1 Detailed Description 3323
6.678.2 Constructor & Destructor Documentation 3323
6.678.2.1 RemoveSubscriptionInfoMarshaller 3323
6.678.2.2 ~RemoveSubscriptionInfoMarshaller 3323
6.678.3 Member Function Documentation 3323
6.678.3.1 createObject 3323
6.678.3.2 getDataStructureType 3324
6.678.3.3 looseMarshal 3324
6.678.3.4 looseUnmarshal 3324
6.678.3.5 tightMarshal1 3325
6.678.3.6 tightMarshal2 3325
6.678.3.7 tightUnmarshal 3326
6.679 activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller Class Reference 3326
6.679.1 Detailed Description 3327
6.679.2 Constructor & Destructor Documentation 3328
6.679.2.1 RemoveSubscriptionInfoMarshaller 3328
6.679.2.2 ~RemoveSubscriptionInfoMarshaller 3328
6.679.3 Member Function Documentation 3328
6.679.3.1 createObject 3328
6.679.3.2 getDataStructureType 3328
6.679.3.3 looseMarshal 3328
6.679.3.4 looseUnmarshal 3329
6.679.3.5 tightMarshal1 3329

6.679.3.6 tightMarshal2 3330
6.679.3.7 tightUnmarshal 3330
6.680 activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller Class Reference 3331
6.680.1 Detailed Description 3332
6.680.2 Constructor & Destructor Documentation 3332
6.680.2.1 RemoveSubscriptionInfoMarshaller 3332
6.680.2.2 ∼RemoveSubscriptionInfoMarshaller 3332
6.680.3 Member Function Documentation 3332
6.680.3.1 createObject 3332
6.680.3.2 getDataStructureType 3332
6.680.3.3 looseMarshal 3332
6.680.3.4 looseUnmarshal 3333
6.680.3.5 tightMarshal1 3333
6.680.3.6 tightMarshal2 3334
6.680.3.7 tightUnmarshal 3334
6.681 activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller Class Reference 3335
6.681.1 Detailed Description 3336
6.681.2 Constructor & Destructor Documentation 3336
6.681.2.1 RemoveSubscriptionInfoMarshaller 3336
6.681.2.2 ∼RemoveSubscriptionInfoMarshaller 3336
6.681.3 Member Function Documentation 3336
6.681.3.1 createObject 3336
6.681.3.2 getDataStructureType 3336
6.681.3.3 looseMarshal 3337
6.681.3.4 looseUnmarshal 3337
6.681.3.5 tightMarshal1 3338
6.681.3.6 tightMarshal2 3338
6.681.3.7 tightUnmarshal 3339
6.682 activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller Class Reference 3339
6.682.1 Detailed Description 3340
6.682.2 Constructor & Destructor Documentation 3340
6.682.2.1 RemoveSubscriptionInfoMarshaller 3340
6.682.2.2 ∼RemoveSubscriptionInfoMarshaller 3340
6.682.3 Member Function Documentation 3340
6.682.3.1 createObject 3340
6.682.3.2 getDataStructureType 3341
6.682.3.3 looseMarshal 3341
6.682.3.4 looseUnmarshal 3341
6.682.3.5 tightMarshal1 3342
6.682.3.6 tightMarshal2 3342
6.682.3.7 tightUnmarshal 3343
6.683 activemq::commands::ReplayCommand Class Reference 3343
6.683.1 Constructor & Destructor Documentation 3345
6.683.1.1 ReplayCommand 3345
6.683.1.2 ∼ReplayCommand 3345
6.683.2 Member Function Documentation 3345
6.683.2.1 cloneDataStructure 3345

6.683.2.2 copyDataStructure 3345
6.683.2.3 equals 3345
6.683.2.4 getDataStructureType 3346
6.683.2.5 getFirstNakNumber 3346
6.683.2.6 getLastNakNumber 3346
6.683.2.7 setFirstNakNumber 3346
6.683.2.8 setLastNakNumber 3346
6.683.2.9 toString 3346
6.683.2.10 visit 3346
6.683.3 Field Documentation 3347
6.683.3.1 firstNakNumber 3347
6.683.3.2 ID_REPLAYCOMMAND 3347
6.683.3.3 lastNakNumber 3347
6.684 activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller Class Reference 3347
6.684.1 Detailed Description 3348
6.684.2 Constructor & Destructor Documentation 3348
6.684.2.1 ReplayCommandMarshaller 3348
6.684.2.2 ∼ReplayCommandMarshaller 3348
6.684.3 Member Function Documentation 3348
6.684.3.1 createObject 3348
6.684.3.2 getDataStructureType 3348
6.684.3.3 looseMarshal 3349
6.684.3.4 looseUnmarshal 3349
6.684.3.5 tightMarshal1 3350
6.684.3.6 tightMarshal2 3350
6.684.3.7 tightUnmarshal 3351
6.685 activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller Class Reference 3351
6.685.1 Detailed Description 3352
6.685.2 Constructor & Destructor Documentation 3352
6.685.2.1 ReplayCommandMarshaller 3352
6.685.2.2 ∼ReplayCommandMarshaller 3352
6.685.3 Member Function Documentation 3352
6.685.3.1 createObject 3352
6.685.3.2 getDataStructureType 3353
6.685.3.3 looseMarshal 3353
6.685.3.4 looseUnmarshal 3353
6.685.3.5 tightMarshal1 3354
6.685.3.6 tightMarshal2 3354
6.685.3.7 tightUnmarshal 3355
6.686 activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller Class Reference 3355
6.686.1 Detailed Description 3356
6.686.2 Constructor & Destructor Documentation 3357
6.686.2.1 ReplayCommandMarshaller 3357
6.686.2.2 ∼ReplayCommandMarshaller 3357
6.686.3 Member Function Documentation 3357
6.686.3.1 createObject 3357
6.686.3.2 getDataStructureType 3357

6.686.3.3 looseMarshal 3357
6.686.3.4 looseUnmarshal 3358
6.686.3.5 tightMarshal1 3358
6.686.3.6 tightMarshal2 3359
6.686.3.7 tightUnmarshal 3359
6.687 activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller Class Reference 3360
6.687.1 Detailed Description 3361
6.687.2 Constructor & Destructor Documentation 3361
6.687.2.1 ReplayCommandMarshaller 3361
6.687.2.2 ∼ReplayCommandMarshaller 3361
6.687.3 Member Function Documentation 3361
6.687.3.1 createObject 3361
6.687.3.2 getDataStructureType 3361
6.687.3.3 looseMarshal 3361
6.687.3.4 looseUnmarshal 3362
6.687.3.5 tightMarshal1 3362
6.687.3.6 tightMarshal2 3363
6.687.3.7 tightUnmarshal 3363
6.688 activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller Class Reference 3364
6.688.1 Detailed Description 3365
6.688.2 Constructor & Destructor Documentation 3365
6.688.2.1 ReplayCommandMarshaller 3365
6.688.2.2 ∼ReplayCommandMarshaller 3365
6.688.3 Member Function Documentation 3365
6.688.3.1 createObject 3365
6.688.3.2 getDataStructureType 3365
6.688.3.3 looseMarshal 3366
6.688.3.4 looseUnmarshal 3366
6.688.3.5 tightMarshal1 3367
6.688.3.6 tightMarshal2 3367
6.688.3.7 tightUnmarshal 3368
6.689 activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller Class Reference 3368
6.689.1 Detailed Description 3369
6.689.2 Constructor & Destructor Documentation 3369
6.689.2.1 ReplayCommandMarshaller 3369
6.689.2.2 ∼ReplayCommandMarshaller 3369
6.689.3 Member Function Documentation 3369
6.689.3.1 createObject 3369
6.689.3.2 getDataStructureType 3370
6.689.3.3 looseMarshal 3370
6.689.3.4 looseUnmarshal 3370
6.689.3.5 tightMarshal1 3371
6.689.3.6 tightMarshal2 3371
6.689.3.7 tightUnmarshal 3372
6.690 activemq::cmsutil::CmsTemplate::ResolveProducerExecutor Class Reference 3372
6.690.1 Constructor & Destructor Documentation 3373

6.690.1.1 ResolveProducerExecutor 3373
6.690.1.2 ~ResolveProducerExecutor 3373
6.690.2 Member Function Documentation 3373
6.690.2.1 getDestination 3373
6.690.2.2 operator= 3373
6.691 activemq::cmsutil::CmsTemplate::ResolveReceiveExecutor Class Reference 3373
6.691.1 Constructor & Destructor Documentation 3374
6.691.1.1 ResolveReceiveExecutor 3374
6.691.1.2 ~ResolveReceiveExecutor 3374
6.691.2 Member Function Documentation 3374
6.691.2.1 getDestination 3374
6.691.2.2 operator= 3374
6.692 decaf::internal::util::Resource Class Reference 3374
6.692.1 Detailed Description 3375
6.692.2 Constructor & Destructor Documentation 3375
6.692.2.1 ~Resource 3375
6.693 decaf::internal::util::ResourceLifecycleManager Class Reference . . . 3375
6.693.1 Detailed Description 3375
6.693.2 Constructor & Destructor Documentation 3376
6.693.2.1 ResourceLifecycleManager 3376
6.693.2.2 ~ResourceLifecycleManager 3376
6.693.3 Member Function Documentation 3376
6.693.3.1 addResource 3376
6.693.3.2 destroyResources 3376
6.694 activemq::cmsutil::ResourceLifecycleManager Class Reference 3376
6.694.1 Detailed Description 3377
6.694.2 Constructor & Destructor Documentation 3377
6.694.2.1 ResourceLifecycleManager 3377
6.694.2.2 ResourceLifecycleManager 3377
6.694.2.3 ~ResourceLifecycleManager 3377
6.694.3 Member Function Documentation 3377
6.694.3.1 addConnection 3377
6.694.3.2 addDestination 3378
6.694.3.3 addMessageConsumer 3378
6.694.3.4 addMessageProducer 3378
6.694.3.5 addSession 3378
6.694.3.6 destroy 3378
6.694.3.7 operator= 3379
6.694.3.8 releaseAll 3379
6.695 activemq::commands::Response Class Reference 3379
6.695.1 Constructor & Destructor Documentation 3380
6.695.1.1 Response 3380
6.695.1.2 ~Response 3380
6.695.2 Member Function Documentation 3380
6.695.2.1 cloneDataStructure 3380
6.695.2.2 copyDataStructure 3380
6.695.2.3 equals 3381
6.695.2.4 getCorrelationId 3381
6.695.2.5 getDataStructureType 3381

6.695.2.6 isResponse 3381
6.695.2.7 setCorrelationId 3382
6.695.2.8 toString 3382
6.695.2.9 visit 3382
6.695.3 Field Documentation 3382
6.695.3.1 correlationId 3382
6.695.3.2 ID_RESPONSE 3382
6.696 activemq::transport::mock::ResponseBuilder Class Reference 3382
6.696.1 Detailed Description 3383
6.696.2 Constructor & Destructor Documentation 3383
6.696.2.1 ∼ResponseBuilder 3383
6.696.3 Member Function Documentation 3383
6.696.3.1 buildIncomingCommands 3383
6.696.3.2 buildResponse 3384
6.697 activemq::transport::correlator::ResponseCorrelator Class Reference . 3384
6.697.1 Detailed Description 3385
6.697.2 Constructor & Destructor Documentation 3385
6.697.2.1 ResponseCorrelator 3385
6.697.2.2 ∼ResponseCorrelator 3386
6.697.3 Member Function Documentation 3386
6.697.3.1 close 3386
6.697.3.2 onCommand 3386
6.697.3.3 oneway 3386
6.697.3.4 onTransportException 3387
6.697.3.5 request 3387
6.697.3.6 request 3387
6.697.3.7 start 3388
6.698 activemq::wireformat::openwire::marshal::v4::ResponseMarshaller Class Reference 3388
6.698.1 Detailed Description 3389
6.698.2 Constructor & Destructor Documentation 3390
6.698.2.1 ResponseMarshaller 3390
6.698.2.2 ∼ResponseMarshaller 3390
6.698.3 Member Function Documentation 3390
6.698.3.1 createObject 3390
6.698.3.2 getDataStructureType 3390
6.698.3.3 looseMarshal 3390
6.698.3.4 looseUnmarshal 3391
6.698.3.5 tightMarshal1 3392
6.698.3.6 tightMarshal2 3392
6.698.3.7 tightUnmarshal 3393
6.699 activemq::wireformat::openwire::marshal::v2::ResponseMarshaller Class Reference 3393
6.699.1 Detailed Description 3394
6.699.2 Constructor & Destructor Documentation 3395
6.699.2.1 ResponseMarshaller 3395
6.699.2.2 ∼ResponseMarshaller 3395
6.699.3 Member Function Documentation 3395
6.699.3.1 createObject 3395
6.699.3.2 getDataStructureType 3395

6.699.3.3 looseMarshal 3395
6.699.3.4 looseUnmarshal 3396
6.699.3.5 tightMarshal1 3397
6.699.3.6 tightMarshal2 3397
6.699.3.7 tightUnmarshal 3398
6.700 activemq::wireformat::openwire::marshal::v5::ResponseMarshaller Class Reference 3398
6.700.1 Detailed Description 3399
6.700.2 Constructor & Destructor Documentation 3400
6.700.2.1 ResponseMarshaller 3400
6.700.2.2 ∼ResponseMarshaller 3400
6.700.3 Member Function Documentation 3400
6.700.3.1 createObject 3400
6.700.3.2 getDataStructureType 3400
6.700.3.3 looseMarshal 3400
6.700.3.4 looseUnmarshal 3401
6.700.3.5 tightMarshal1 3402
6.700.3.6 tightMarshal2 3402
6.700.3.7 tightUnmarshal 3403
6.701 activemq::wireformat::openwire::marshal::v3::ResponseMarshaller Class Reference 3403
6.701.1 Detailed Description 3404
6.701.2 Constructor & Destructor Documentation 3405
6.701.2.1 ResponseMarshaller 3405
6.701.2.2 ∼ResponseMarshaller 3405
6.701.3 Member Function Documentation 3405
6.701.3.1 createObject 3405
6.701.3.2 getDataStructureType 3405
6.701.3.3 looseMarshal 3405
6.701.3.4 looseUnmarshal 3406
6.701.3.5 tightMarshal1 3407
6.701.3.6 tightMarshal2 3407
6.701.3.7 tightUnmarshal 3408
6.702 activemq::wireformat::openwire::marshal::v1::ResponseMarshaller Class Reference 3408
6.702.1 Detailed Description 3409
6.702.2 Constructor & Destructor Documentation 3410
6.702.2.1 ResponseMarshaller 3410
6.702.2.2 ∼ResponseMarshaller 3410
6.702.3 Member Function Documentation 3410
6.702.3.1 createObject 3410
6.702.3.2 getDataStructureType 3410
6.702.3.3 looseMarshal 3410
6.702.3.4 looseUnmarshal 3411
6.702.3.5 tightMarshal1 3412
6.702.3.6 tightMarshal2 3412
6.702.3.7 tightUnmarshal 3413
6.703 activemq::wireformat::openwire::marshal::v6::ResponseMarshaller Class Reference 3413
6.703.1 Detailed Description 3414

6.703.2 Constructor & Destructor Documentation 3415
6.703.2.1 ResponseMarshaller 3415
6.703.2.2 ∼ResponseMarshaller 3415
6.703.3 Member Function Documentation 3415
6.703.3.1 createObject 3415
6.703.3.2 getDataStructureType 3415
6.703.3.3 looseMarshal 3415
6.703.3.4 looseUnmarshal 3416
6.703.3.5 tightMarshal1 3417
6.703.3.6 tightMarshal2 3417
6.703.3.7 tightUnmarshal 3418
6.704 decaf::lang::Runnable Class Reference 3418
6.704.1 Detailed Description 3419
6.704.2 Constructor & Destructor Documentation 3419
6.704.2.1 ∼Runnable 3419
6.704.3 Member Function Documentation 3419
6.704.3.1 run 3419
6.705 decaf::lang::Runtime Class Reference 3419
6.705.1 Constructor & Destructor Documentation 3420
6.705.1.1 ∼Runtime 3420
6.705.2 Member Function Documentation 3420
6.705.2.1 getRuntime 3420
6.705.2.2 initializeRuntime 3420
6.705.2.3 initializeRuntime 3420
6.705.2.4 shutdownRuntime 3421
6.706 decaf::lang::exceptions::RuntimeException Class Reference 3421
6.706.1 Constructor & Destructor Documentation 3422
6.706.1.1 RuntimeException 3422
6.706.1.2 RuntimeException 3422
6.706.1.3 RuntimeException 3422
6.706.1.4 RuntimeException 3422
6.706.1.5 RuntimeException 3423
6.706.1.6 RuntimeException 3423
6.706.1.7 ∼RuntimeException 3423
6.706.2 Member Function Documentation 3423
6.706.2.1 clone 3423
6.707 decaf::security::SecureRandom Class Reference 3424
6.707.1 Detailed Description 3426
6.707.2 Constructor & Destructor Documentation 3426
6.707.2.1 SecureRandom 3426
6.707.2.2 SecureRandom 3426
6.707.2.3 SecureRandom 3426
6.707.2.4 ∼SecureRandom 3427
6.707.3 Member Function Documentation 3427
6.707.3.1 next 3427
6.707.3.2 nextBytes 3427
6.707.3.3 nextBytes 3428
6.707.3.4 setSeed 3428
6.707.3.5 setSeed 3428
6.707.3.6 setSeed 3429

6.708 decaf::internal::security::SecureRandomImpl Class Reference 3429
6.708.1 Detailed Description 3430
6.708.2 Constructor & Destructor Documentation 3430
6.708.2.1 SecureRandomImpl 3430
6.708.2.2 ∼SecureRandomImpl 3430
6.708.2.3 SecureRandomImpl 3430
6.708.2.4 ∼SecureRandomImpl 3430
6.708.3 Member Function Documentation 3430
6.708.3.1 providerGenerateSeed 3430
6.708.3.2 providerGenerateSeed 3431
6.708.3.3 providerNextBytes 3431
6.708.3.4 providerNextBytes 3431
6.708.3.5 providerSetSeed 3432
6.708.3.6 providerSetSeed 3432
6.709 decaf::security::SecureRandomSpi Class Reference 3432
6.709.1 Detailed Description 3433
6.709.2 Constructor & Destructor Documentation 3433
6.709.2.1 SecureRandomSpi 3433
6.709.2.2 ∼SecureRandomSpi 3433
6.709.3 Member Function Documentation 3433
6.709.3.1 providerGenerateSeed 3433
6.709.3.2 providerNextBytes 3434
6.709.3.3 providerSetSeed 3434
6.710 decaf::util::concurrent::Semaphore Class Reference 3434
6.710.1 Detailed Description 3436
6.710.2 Constructor & Destructor Documentation 3437
6.710.2.1 Semaphore 3437
6.710.2.2 Semaphore 3438
6.710.2.3 ∼Semaphore 3438
6.710.3 Member Function Documentation 3438
6.710.3.1 acquire 3438
6.710.3.2 acquire 3439
6.710.3.3 acquireUninterruptibly 3439
6.710.3.4 acquireUninterruptibly 3440
6.710.3.5 availablePermits 3440
6.710.3.6 drainPermits 3441
6.710.3.7 isFair 3441
6.710.3.8 release 3441
6.710.3.9 release 3441
6.710.3.10 toString 3442
6.710.3.11 tryAcquire 3442
6.710.3.12 tryAcquire 3443
6.710.3.13 tryAcquire 3444
6.710.3.14 tryAcquire 3445
6.711 activemq::cmsutil::CmsTemplate::SendExecutor Class Reference . . . 3445
6.711.1 Constructor & Destructor Documentation 3446
6.711.1.1 SendExecutor 3446
6.711.1.2 SendExecutor 3446
6.711.1.3 ∼SendExecutor 3446
6.711.2 Member Function Documentation 3446

6.711.2.1 doInCms 3446
6.711.2.2 operator= 3447
6.712 decaf::net::ServerSocket Class Reference 3447
6.712.1 Detailed Description 3449
6.712.2 Constructor & Destructor Documentation 3449
6.712.2.1 ServerSocket 3449
6.712.2.2 ServerSocket 3449
6.712.2.3 ServerSocket 3450
6.712.2.4 ServerSocket 3450
6.712.2.5 ~ServerSocket 3451
6.712.2.6 ServerSocket 3451
6.712.3 Member Function Documentation 3451
6.712.3.1 accept 3451
6.712.3.2 bind 3452
6.712.3.3 bind 3452
6.712.3.4 checkClosed 3453
6.712.3.5 close 3453
6.712.3.6 ensureCreated 3453
6.712.3.7 getDefaultBacklog 3453
6.712.3.8 getLocalPort 3453
6.712.3.9 getReceiveBufferSize 3453
6.712.3.10 getReuseAddress 3454
6.712.3.11 getSoTimeout 3454
6.712.3.12 implAccept 3454
6.712.3.13 isBound 3455
6.712.3.14 isClosed 3455
6.712.3.15 setReceiveBufferSize 3455
6.712.3.16 setReuseAddress 3455
6.712.3.17 setSocketImplFactory 3456
6.712.3.18 setSoTimeout 3456
6.712.3.19 setupSocketImpl 3456
6.712.3.20 toString 3456
6.713 decaf::net::ServerSocketFactory Class Reference 3457
6.713.1 Detailed Description 3457
6.713.2 Constructor & Destructor Documentation 3458
6.713.2.1 ServerSocketFactory 3458
6.713.2.2 ~ServerSocketFactory 3458
6.713.3 Member Function Documentation 3458
6.713.3.1 createServerSocket 3458
6.713.3.2 createServerSocket 3458
6.713.3.3 createServerSocket 3459
6.713.3.4 createServerSocket 3459
6.713.3.5 getDefault 3460
6.714 cms::Session Class Reference 3460
6.714.1 Detailed Description 3463
6.714.2 Member Enumeration Documentation 3464
6.714.2.1 AcknowledgeMode 3464
6.714.3 Constructor & Destructor Documentation 3464
6.714.3.1 ~Session 3464
6.714.4 Member Function Documentation 3464

6.714.4.1 close 3464
6.714.4.2 commit 3465
6.714.4.3 createBrowser 3465
6.714.4.4 createBrowser 3466
6.714.4.5 createBytesMessage 3466
6.714.4.6 createBytesMessage 3466
6.714.4.7 createConsumer 3467
6.714.4.8 createConsumer 3467
6.714.4.9 createConsumer 3468
6.714.4.10 createDurableConsumer 3469
6.714.4.11 createMapMessage 3469
6.714.4.12 createMessage 3470
6.714.4.13 createProducer 3470
6.714.4.14 createQueue 3470
6.714.4.15 createStreamMessage 3471
6.714.4.16 createTemporaryQueue 3471
6.714.4.17 createTemporaryTopic 3471
6.714.4.18 createTextMessage 3472
6.714.4.19 createTextMessage 3472
6.714.4.20 createTopic 3472
6.714.4.21 getAcknowledgeMode 3473
6.714.4.22 isTransacted 3473
6.714.4.23 recover 3474
6.714.4.24 rollback 3474
6.714.4.25 unsubscribe 3475
6.715 activemq::cmsutil::SessionCallback Class Reference 3475
6.715.1 Detailed Description 3475
6.715.2 Constructor & Destructor Documentation 3476
6.715.2.1 ~SessionCallback 3476
6.715.3 Member Function Documentation 3476
6.715.3.1 doInCms 3476
6.716 activemq::commands::SessionId Class Reference 3476
6.716.1 Member Typedef Documentation 3478
6.716.1.1 COMPARATOR 3478
6.716.2 Constructor & Destructor Documentation 3478
6.716.2.1 SessionId 3478
6.716.2.2 SessionId 3478
6.716.2.3 SessionId 3478
6.716.2.4 SessionId 3478
6.716.2.5 SessionId 3478
6.716.2.6 ~SessionId 3478
6.716.3 Member Function Documentation 3478
6.716.3.1 cloneDataStructure 3478
6.716.3.2 compareTo 3478
6.716.3.3 copyDataStructure 3478
6.716.3.4 equals 3479
6.716.3.5 equals 3479
6.716.3.6 getConnectionId 3479
6.716.3.7 getConnectionId 3479
6.716.3.8 getDataStructureType 3479

6.716.3.9 getParentId 3480
6.716.3.10 getValue 3480
6.716.3.11 operator< 3480
6.716.3.12 operator= 3480
6.716.3.13 operator== 3480
6.716.3.14 setConnectionId 3480
6.716.3.15 setValue 3480
6.716.3.16 toString 3480
6.716.4 Field Documentation 3480
6.716.4.1 connectionId 3480
6.716.4.2 ID_SESSIONID 3480
6.716.4.3 value 3480
6.717 activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller Class Reference 3481
6.717.1 Detailed Description 3482
6.717.2 Constructor & Destructor Documentation 3482
6.717.2.1 SessionIdMarshaller 3482
6.717.2.2 ~SessionIdMarshaller 3482
6.717.3 Member Function Documentation 3482
6.717.3.1 createObject 3482
6.717.3.2 getDataStructureType 3482
6.717.3.3 looseMarshal 3482
6.717.3.4 looseUnmarshal 3483
6.717.3.5 tightMarshal1 3483
6.717.3.6 tightMarshal2 3484
6.717.3.7 tightUnmarshal 3484
6.718 activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller Class Reference 3485
6.718.1 Detailed Description 3486
6.718.2 Constructor & Destructor Documentation 3486
6.718.2.1 SessionIdMarshaller 3486
6.718.2.2 ~SessionIdMarshaller 3486
6.718.3 Member Function Documentation 3486
6.718.3.1 createObject 3486
6.718.3.2 getDataStructureType 3486
6.718.3.3 looseMarshal 3486
6.718.3.4 looseUnmarshal 3487
6.718.3.5 tightMarshal1 3487
6.718.3.6 tightMarshal2 3488
6.718.3.7 tightUnmarshal 3488
6.719 activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller Class Reference 3489
6.719.1 Detailed Description 3490
6.719.2 Constructor & Destructor Documentation 3490
6.719.2.1 SessionIdMarshaller 3490
6.719.2.2 ~SessionIdMarshaller 3490
6.719.3 Member Function Documentation 3490
6.719.3.1 createObject 3490
6.719.3.2 getDataStructureType 3490
6.719.3.3 looseMarshal 3490

6.719.3.4 looseUnmarshal 3491
6.719.3.5 tightMarshal1 3491
6.719.3.6 tightMarshal2 3492
6.719.3.7 tightUnmarshal 3492
6.720 activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller Class Reference 3493
6.720.1 Detailed Description 3494
6.720.2 Constructor & Destructor Documentation 3494
6.720.2.1 SessionIdMarshaller 3494
6.720.2.2 ∼SessionIdMarshaller 3494
6.720.3 Member Function Documentation 3494
6.720.3.1 createObject 3494
6.720.3.2 getDataStructureType 3494
6.720.3.3 looseMarshal 3494
6.720.3.4 looseUnmarshal 3495
6.720.3.5 tightMarshal1 3495
6.720.3.6 tightMarshal2 3496
6.720.3.7 tightUnmarshal 3496
6.721 activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller Class Reference 3497
6.721.1 Detailed Description 3498
6.721.2 Constructor & Destructor Documentation 3498
6.721.2.1 SessionIdMarshaller 3498
6.721.2.2 ∼SessionIdMarshaller 3498
6.721.3 Member Function Documentation 3498
6.721.3.1 createObject 3498
6.721.3.2 getDataStructureType 3498
6.721.3.3 looseMarshal 3498
6.721.3.4 looseUnmarshal 3499
6.721.3.5 tightMarshal1 3499
6.721.3.6 tightMarshal2 3500
6.721.3.7 tightUnmarshal 3500
6.722 activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller Class Reference 3501
6.722.1 Detailed Description 3502
6.722.2 Constructor & Destructor Documentation 3502
6.722.2.1 SessionIdMarshaller 3502
6.722.2.2 ∼SessionIdMarshaller 3502
6.722.3 Member Function Documentation 3502
6.722.3.1 createObject 3502
6.722.3.2 getDataStructureType 3502
6.722.3.3 looseMarshal 3502
6.722.3.4 looseUnmarshal 3503
6.722.3.5 tightMarshal1 3503
6.722.3.6 tightMarshal2 3504
6.722.3.7 tightUnmarshal 3504
6.723 activemq::commands::SessionInfo Class Reference 3505
6.723.1 Constructor & Destructor Documentation 3506
6.723.1.1 SessionInfo 3506
6.723.1.2 ∼SessionInfo 3506

6.723.2 Member Function Documentation 3506
6.723.2.1 cloneDataStructure 3506
6.723.2.2 copyDataStructure 3506
6.723.2.3 createRemoveCommand 3507
6.723.2.4 equals 3507
6.723.2.5 getAckMode 3507
6.723.2.6 getDataStructureType 3507
6.723.2.7 getSessionId 3507
6.723.2.8 getSessionId 3507
6.723.2.9 setAckMode 3507
6.723.2.10 setSessionId 3507
6.723.2.11 toString 3507
6.723.2.12 visit 3508
6.723.3 Field Documentation 3508
6.723.3.1 ID_SESSIONINFO 3508
6.723.3.2 sessionId 3508
6.724 activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller Class Reference 3508
6.724.1 Detailed Description 3509
6.724.2 Constructor & Destructor Documentation 3510
6.724.2.1 SessionInfoMarshaller 3510
6.724.2.2 ∼SessionInfoMarshaller 3510
6.724.3 Member Function Documentation 3510
6.724.3.1 createObject 3510
6.724.3.2 getDataStructureType 3510
6.724.3.3 looseMarshal 3510
6.724.3.4 looseUnmarshal 3511
6.724.3.5 tightMarshal1 3511
6.724.3.6 tightMarshal2 3512
6.724.3.7 tightUnmarshal 3512
6.725 activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller Class Reference 3513
6.725.1 Detailed Description 3514
6.725.2 Constructor & Destructor Documentation 3514
6.725.2.1 SessionInfoMarshaller 3514
6.725.2.2 ∼SessionInfoMarshaller 3514
6.725.3 Member Function Documentation 3514
6.725.3.1 createObject 3514
6.725.3.2 getDataStructureType 3514
6.725.3.3 looseMarshal 3514
6.725.3.4 looseUnmarshal 3515
6.725.3.5 tightMarshal1 3515
6.725.3.6 tightMarshal2 3516
6.725.3.7 tightUnmarshal 3516
6.726 activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller Class Reference 3517
6.726.1 Detailed Description 3518
6.726.2 Constructor & Destructor Documentation 3518
6.726.2.1 SessionInfoMarshaller 3518
6.726.2.2 ∼SessionInfoMarshaller 3518

6.726.3 Member Function Documentation 3518
6.726.3.1 createObject 3518
6.726.3.2 getDataStructureType 3518
6.726.3.3 looseMarshal 3519
6.726.3.4 looseUnmarshal 3519
6.726.3.5 tightMarshal1 3520
6.726.3.6 tightMarshal2 3520
6.726.3.7 tightUnmarshal 3521
6.727 activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller Class Reference 3521
6.727.1 Detailed Description 3522
6.727.2 Constructor & Destructor Documentation 3522
6.727.2.1 SessionInfoMarshaller 3522
6.727.2.2 ∼SessionInfoMarshaller 3522
6.727.3 Member Function Documentation 3522
6.727.3.1 createObject 3522
6.727.3.2 getDataStructureType 3523
6.727.3.3 looseMarshal 3523
6.727.3.4 looseUnmarshal 3523
6.727.3.5 tightMarshal1 3524
6.727.3.6 tightMarshal2 3524
6.727.3.7 tightUnmarshal 3525
6.728 activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller Class Reference 3525
6.728.1 Detailed Description 3526
6.728.2 Constructor & Destructor Documentation 3527
6.728.2.1 SessionInfoMarshaller 3527
6.728.2.2 ∼SessionInfoMarshaller 3527
6.728.3 Member Function Documentation 3527
6.728.3.1 createObject 3527
6.728.3.2 getDataStructureType 3527
6.728.3.3 looseMarshal 3527
6.728.3.4 looseUnmarshal 3528
6.728.3.5 tightMarshal1 3528
6.728.3.6 tightMarshal2 3529
6.728.3.7 tightUnmarshal 3529
6.729 activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller Class Reference 3530
6.729.1 Detailed Description 3531
6.729.2 Constructor & Destructor Documentation 3531
6.729.2.1 SessionInfoMarshaller 3531
6.729.2.2 ∼SessionInfoMarshaller 3531
6.729.3 Member Function Documentation 3531
6.729.3.1 createObject 3531
6.729.3.2 getDataStructureType 3531
6.729.3.3 looseMarshal 3531
6.729.3.4 looseUnmarshal 3532
6.729.3.5 tightMarshal1 3532
6.729.3.6 tightMarshal2 3533
6.729.3.7 tightUnmarshal 3533

6.730 activemq::cmsutil::SessionPool Class Reference 3534
6.730.1 Detailed Description 3534
6.730.2 Constructor & Destructor Documentation 3535
6.730.2.1 SessionPool 3535
6.730.2.2 SessionPool 3535
6.730.2.3 ∼SessionPool 3535
6.730.3 Member Function Documentation 3535
6.730.3.1 getResourceLifecycleManager 3535
6.730.3.2 operator= 3535
6.730.3.3 returnSession 3535
6.730.3.4 takeSession 3536
6.731 activemq::state::SessionState Class Reference 3536
6.731.1 Constructor & Destructor Documentation 3537
6.731.1.1 SessionState 3537
6.731.1.2 ∼SessionState 3537
6.731.2 Member Function Documentation 3537
6.731.2.1 addConsumer 3537
6.731.2.2 addProducer 3537
6.731.2.3 checkShutdown 3537
6.731.2.4 getConsumerState 3537
6.731.2.5 getConsumerStates 3537
6.731.2.6 getInfo 3537
6.731.2.7 getProducerState 3537
6.731.2.8 getProducerStates 3537
6.731.2.9 removeConsumer 3537
6.731.2.10 removeProducer 3537
6.731.2.11 shutdown 3537
6.731.2.12 toString 3537
6.732 decaf::util::Set< E > Class Template Reference 3538
6.732.1 Detailed Description 3538
6.732.2 Constructor & Destructor Documentation 3538
6.732.2.1 ∼Set 3538
6.733 decaf::lang::Short Class Reference 3538
6.733.1 Constructor & Destructor Documentation 3541
6.733.1.1 Short 3541
6.733.1.2 Short 3541
6.733.1.3 ∼Short 3541
6.733.2 Member Function Documentation 3541
6.733.2.1 byteValue 3541
6.733.2.2 compareTo 3541
6.733.2.3 compareTo 3542
6.733.2.4 decode 3542
6.733.2.5 doubleValue 3542
6.733.2.6 equals 3543
6.733.2.7 equals 3543
6.733.2.8 floatValue 3543
6.733.2.9 intValue 3543
6.733.2.10 longValue 3543
6.733.2.11 operator< 3544
6.733.2.12 operator< 3544

6.733.2.13 operator== 3544
6.733.2.14 operator== 3545
6.733.2.15 parseShort 3545
6.733.2.16 parseShort 3546
6.733.2.17 reverseBytes 3546
6.733.2.18 shortValue 3546
6.733.2.19 toString 3546
6.733.2.20 toString 3547
6.733.2.21 valueOf 3547
6.733.2.22 valueOf 3547
6.733.2.23 valueOf 3547
6.733.3 Field Documentation 3548
6.733.3.1 MAX_VALUE 3548
6.733.3.2 MIN_VALUE 3548
6.733.3.3 SIZE 3548
6.734 decaf::internal::nio::ShortArrayBuffer Class Reference 3548
6.734.1 Constructor & Destructor Documentation 3553
6.734.1.1 ShortArrayBuffer 3553
6.734.1.2 ShortArrayBuffer 3553
6.734.1.3 ShortArrayBuffer 3554
6.734.1.4 ShortArrayBuffer 3554
6.734.1.5 ~ShortArrayBuffer 3554
6.734.2 Member Function Documentation 3554
6.734.2.1 array 3554
6.734.2.2 arrayOffset 3555
6.734.2.3 asReadOnlyBuffer 3555
6.734.2.4 compact 3556
6.734.2.5 duplicate 3556
6.734.2.6 get 3557
6.734.2.7 get 3557
6.734.2.8 hasArray 3558
6.734.2.9 isReadOnly 3558
6.734.2.10 put 3558
6.734.2.11 put 3559
6.734.2.12 setReadOnly 3559
6.734.2.13 slice 3559
6.735 decaf::nio::ShortBuffer Class Reference 3560
6.735.1 Detailed Description 3562
6.735.2 Constructor & Destructor Documentation 3563
6.735.2.1 ShortBuffer 3563
6.735.2.2 ~ShortBuffer 3563
6.735.3 Member Function Documentation 3563
6.735.3.1 allocate 3563
6.735.3.2 array 3563
6.735.3.3 arrayOffset 3564
6.735.3.4 asReadOnlyBuffer 3564
6.735.3.5 compact 3565
6.735.3.6 compareTo 3565
6.735.3.7 duplicate 3565
6.735.3.8 equals 3566

6.735.3.9 get 3566
6.735.3.10 get 3566
6.735.3.11 get 3567
6.735.3.12 get 3567
6.735.3.13 hasArray 3568
6.735.3.14 operator< 3568
6.735.3.15 operator== 3568
6.735.3.16 put 3568
6.735.3.17 put 3569
6.735.3.18 put 3569
6.735.3.19 put 3570
6.735.3.20 put 3570
6.735.3.21 slice 3571
6.735.3.22 toString 3571
6.735.3.23 wrap 3572
6.735.3.24 wrap 3572
6.736 activemq::commands::ShutdownInfo Class Reference 3573
6.736.1 Constructor & Destructor Documentation 3574
6.736.1.1 ShutdownInfo 3574
6.736.1.2 ∼ShutdownInfo 3574
6.736.2 Member Function Documentation 3574
6.736.2.1 cloneDataStructure 3574
6.736.2.2 copyDataStructure 3574
6.736.2.3 equals 3574
6.736.2.4 getDataStructureType 3575
6.736.2.5 isShutdownInfo 3575
6.736.2.6 toString 3575
6.736.2.7 visit 3575
6.736.3 Field Documentation 3576
6.736.3.1 ID_SHUTDOWNINFO 3576
6.737 activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller Class Reference 3576
6.737.1 Detailed Description 3577
6.737.2 Constructor & Destructor Documentation 3577
6.737.2.1 ShutdownInfoMarshaller 3577
6.737.2.2 ∼ShutdownInfoMarshaller 3577
6.737.3 Member Function Documentation 3577
6.737.3.1 createObject 3577
6.737.3.2 getDataStructureType 3577
6.737.3.3 looseMarshal 3578
6.737.3.4 looseUnmarshal 3578
6.737.3.5 tightMarshal1 3579
6.737.3.6 tightMarshal2 3579
6.737.3.7 tightUnmarshal 3580
6.738 activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller Class Reference 3580
6.738.1 Detailed Description 3581
6.738.2 Constructor & Destructor Documentation 3581
6.738.2.1 ShutdownInfoMarshaller 3581
6.738.2.2 ∼ShutdownInfoMarshaller 3581

6.738.3 Member Function Documentation 3581
6.738.3.1 createObject 3581
6.738.3.2 getDataStructureType 3582
6.738.3.3 looseMarshal 3582
6.738.3.4 looseUnmarshal 3582
6.738.3.5 tightMarshal1 3583
6.738.3.6 tightMarshal2 3583
6.738.3.7 tightUnmarshal 3584
6.739 activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller Class Reference 3584
6.739.1 Detailed Description 3585
6.739.2 Constructor & Destructor Documentation 3586
6.739.2.1 ShutdownInfoMarshaller 3586
6.739.2.2 ∼ShutdownInfoMarshaller 3586
6.739.3 Member Function Documentation 3586
6.739.3.1 createObject 3586
6.739.3.2 getDataStructureType 3586
6.739.3.3 looseMarshal 3586
6.739.3.4 looseUnmarshal 3587
6.739.3.5 tightMarshal1 3587
6.739.3.6 tightMarshal2 3588
6.739.3.7 tightUnmarshal 3588
6.740 activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller Class Reference 3589
6.740.1 Detailed Description 3590
6.740.2 Constructor & Destructor Documentation 3590
6.740.2.1 ShutdownInfoMarshaller 3590
6.740.2.2 ∼ShutdownInfoMarshaller 3590
6.740.3 Member Function Documentation 3590
6.740.3.1 createObject 3590
6.740.3.2 getDataStructureType 3590
6.740.3.3 looseMarshal 3590
6.740.3.4 looseUnmarshal 3591
6.740.3.5 tightMarshal1 3591
6.740.3.6 tightMarshal2 3592
6.740.3.7 tightUnmarshal 3592
6.741 activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller Class Reference 3593
6.741.1 Detailed Description 3594
6.741.2 Constructor & Destructor Documentation 3594
6.741.2.1 ShutdownInfoMarshaller 3594
6.741.2.2 ∼ShutdownInfoMarshaller 3594
6.741.3 Member Function Documentation 3594
6.741.3.1 createObject 3594
6.741.3.2 getDataStructureType 3594
6.741.3.3 looseMarshal 3595
6.741.3.4 looseUnmarshal 3595
6.741.3.5 tightMarshal1 3596
6.741.3.6 tightMarshal2 3596
6.741.3.7 tightUnmarshal 3597

6.742 activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller Class Reference . . . 3597
6.742.1 Detailed Description . . . 3598
6.742.2 Constructor & Destructor Documentation . . . 3598
6.742.2.1 ShutdownInfoMarshaller . . . 3598
6.742.2.2 ∼ShutdownInfoMarshaller . . . 3598
6.742.3 Member Function Documentation . . . 3598
6.742.3.1 createObject . . . 3598
6.742.3.2 getDataStructureType . . . 3599
6.742.3.3 looseMarshal . . . 3599
6.742.3.4 looseUnmarshal . . . 3599
6.742.3.5 tightMarshal1 . . . 3600
6.742.3.6 tightMarshal2 . . . 3600
6.742.3.7 tightUnmarshal . . . 3601
6.743 decaf::security::SignatureException Class Reference . . . 3601
6.743.1 Constructor & Destructor Documentation . . . 3602
6.743.1.1 SignatureException . . . 3602
6.743.1.2 SignatureException . . . 3602
6.743.1.3 SignatureException . . . 3602
6.743.1.4 SignatureException . . . 3603
6.743.1.5 SignatureException . . . 3603
6.743.1.6 SignatureException . . . 3603
6.743.1.7 ∼SignatureException . . . 3604
6.743.2 Member Function Documentation . . . 3604
6.743.2.1 clone . . . 3604
6.744 decaf::util::logging::SimpleFormatter Class Reference . . . 3604
6.744.1 Detailed Description . . . 3604
6.744.2 Constructor & Destructor Documentation . . . 3605
6.744.2.1 SimpleFormatter . . . 3605
6.744.2.2 ∼SimpleFormatter . . . 3605
6.744.3 Member Function Documentation . . . 3605
6.744.3.1 format . . . 3605
6.745 decaf::util::logging::SimpleLogger Class Reference . . . 3605
6.745.1 Constructor & Destructor Documentation . . . 3606
6.745.1.1 SimpleLogger . . . 3606
6.745.1.2 ∼SimpleLogger . . . 3606
6.745.2 Member Function Documentation . . . 3606
6.745.2.1 debug . . . 3606
6.745.2.2 error . . . 3606
6.745.2.3 fatal . . . 3606
6.745.2.4 info . . . 3607
6.745.2.5 log . . . 3607
6.745.2.6 mark . . . 3607
6.745.2.7 warn . . . 3607
6.746 decaf::net::Socket Class Reference . . . 3607
6.746.1 Detailed Description . . . 3611
6.746.2 Constructor & Destructor Documentation . . . 3611
6.746.2.1 Socket . . . 3611
6.746.2.2 Socket . . . 3611
6.746.2.3 Socket . . . 3612

6.746.2.4 Socket 3612
6.746.2.5 Socket 3613
6.746.2.6 Socket 3613
6.746.2.7 ~Socket 3614
6.746.3 Member Function Documentation 3614
6.746.3.1 accepted 3614
6.746.3.2 bind 3614
6.746.3.3 checkClosed 3614
6.746.3.4 close 3614
6.746.3.5 connect 3615
6.746.3.6 connect 3615
6.746.3.7 ensureCreated 3616
6.746.3.8 getInetAddress 3616
6.746.3.9 getInputStream 3616
6.746.3.10 getKeepAlive 3616
6.746.3.11 getLocalAddress 3617
6.746.3.12 getLocalPort 3617
6.746.3.13 getOOBInline 3617
6.746.3.14 getOutputStream 3617
6.746.3.15 getPort 3618
6.746.3.16 getReceiveBufferSize 3618
6.746.3.17 getReuseAddress 3618
6.746.3.18 getSendBufferSize 3618
6.746.3.19 getSoLinger 3619
6.746.3.20 getSoTimeout 3619
6.746.3.21 getTcpNoDelay 3619
6.746.3.22 getTrafficClass 3620
6.746.3.23 initSocketImpl 3620
6.746.3.24 isBound 3620
6.746.3.25 isClosed 3620
6.746.3.26 isConnected 3620
6.746.3.27 isInputShutdown 3621
6.746.3.28 isOutputShutdown 3621
6.746.3.29 sendUrgentData 3621
6.746.3.30 setKeepAlive 3621
6.746.3.31 setOOBInline 3621
6.746.3.32 setReceiveBufferSize 3622
6.746.3.33 setReuseAddress 3622
6.746.3.34 setSendBufferSize 3622
6.746.3.35 setSocketImplFactory 3623
6.746.3.36 setSoLinger 3623
6.746.3.37 setSoTimeout 3624
6.746.3.38 setTcpNoDelay 3624
6.746.3.39 setTrafficClass 3624
6.746.3.40 shutdownInput 3625
6.746.3.41 shutdownOutput 3625
6.746.3.42 toString 3625
6.746.4 Friends And Related Function Documentation 3625
6.746.4.1 ServerSocket 3625
6.746.5 Field Documentation 3625

6.746.5.1 impl 3625
6.747 decaf::net::SocketAddress Class Reference 3626
6.747.1 Detailed Description 3626
6.747.2 Constructor & Destructor Documentation 3626
6.747.2.1 ∼SocketAddress 3626
6.748 decaf::net::SocketError Class Reference 3626
6.748.1 Detailed Description 3627
6.748.2 Member Function Documentation 3627
6.748.2.1 getErrorCode 3627
6.748.2.2 getErrorString 3627
6.749 decaf::net::SocketException Class Reference 3627
6.749.1 Detailed Description 3628
6.749.2 Constructor & Destructor Documentation 3628
6.749.2.1 SocketException 3628
6.749.2.2 SocketException 3628
6.749.2.3 SocketException 3628
6.749.2.4 SocketException 3628
6.749.2.5 SocketException 3628
6.749.2.6 SocketException 3629
6.749.2.7 ∼SocketException 3629
6.749.3 Member Function Documentation 3629
6.749.3.1 clone 3629
6.750 decaf::net::SocketFactory Class Reference 3629
6.750.1 Detailed Description 3630
6.750.2 Constructor & Destructor Documentation 3631
6.750.2.1 SocketFactory 3631
6.750.2.2 ∼SocketFactory 3631
6.750.3 Member Function Documentation 3631
6.750.3.1 createSocket 3631
6.750.3.2 createSocket 3631
6.750.3.3 createSocket 3632
6.750.3.4 createSocket 3632
6.750.3.5 createSocket 3633
6.750.3.6 getDefault 3633
6.751 decaf::internal::net::SocketFileDescriptor Class Reference 3634
6.751.1 Detailed Description 3634
6.751.2 Constructor & Destructor Documentation 3635
6.751.2.1 SocketFileDescriptor 3635
6.751.2.2 ∼SocketFileDescriptor 3635
6.751.3 Member Function Documentation 3635
6.751.3.1 getValue 3635
6.752 decaf::net::SocketImpl Class Reference 3635
6.752.1 Detailed Description 3637
6.752.2 Constructor & Destructor Documentation 3638
6.752.2.1 SocketImpl 3638
6.752.2.2 ∼SocketImpl 3638
6.752.3 Member Function Documentation 3638
6.752.3.1 accept 3638
6.752.3.2 available 3638
6.752.3.3 bind 3638

6.752.3.4 close 3639
6.752.3.5 connect 3639
6.752.3.6 create 3640
6.752.3.7 getFileDescriptor 3640
6.752.3.8 getInetAddress 3640
6.752.3.9 getInputStream 3640
6.752.3.10 getLocalAddress 3641
6.752.3.11 getLocalPort 3641
6.752.3.12 getOption 3641
6.752.3.13 getOutputStream 3641
6.752.3.14 getPort 3642
6.752.3.15 listen 3642
6.752.3.16 sendUrgentData 3642
6.752.3.17 setOption 3643
6.752.3.18 shutdownInput 3643
6.752.3.19 shutdownOutput 3643
6.752.3.20 supportsUrgentData 3644
6.752.3.21 toString 3644
6.752.4 Field Documentation 3644
6.752.4.1 address 3644
6.752.4.2 fd 3644
6.752.4.3 localPort 3644
6.752.4.4 port 3644
6.753 decaf::net::SocketImplFactory Class Reference 3644
6.753.1 Detailed Description 3645
6.753.2 Constructor & Destructor Documentation 3645
6.753.2.1 ~SocketImplFactory 3645
6.753.3 Member Function Documentation 3645
6.753.3.1 createSocketImpl 3645
6.754 decaf::net::SocketOptions Class Reference 3645
6.754.1 Detailed Description 3647
6.754.2 Constructor & Destructor Documentation 3647
6.754.2.1 ~SocketOptions 3647
6.754.3 Field Documentation 3647
6.754.3.1 SOCKET_OPTION_BINDADDR 3647
6.754.3.2 SOCKET_OPTION_BROADCAST 3647
6.754.3.3 SOCKET_OPTION_IP_MULTICAST_IF 3648
6.754.3.4 SOCKET_OPTION_IP_MULTICAST_IF2 3648
6.754.3.5 SOCKET_OPTION_IP_MULTICAST_LOOP . . . 3648
6.754.3.6 SOCKET_OPTION_IP_TOS 3648
6.754.3.7 SOCKET_OPTION_KEEPALIVE 3648
6.754.3.8 SOCKET_OPTION_LINGER 3649
6.754.3.9 SOCKET_OPTION_OOBINLINE 3649
6.754.3.10 SOCKET_OPTION_RCVBUF 3649
6.754.3.11 SOCKET_OPTION_REUSEADDR 3649
6.754.3.12 SOCKET_OPTION_SNDBUF 3649
6.754.3.13 SOCKET_OPTION_TCP_NODELAY 3650
6.754.3.14 SOCKET_OPTION_TIMEOUT 3650
6.755 decaf::net::SocketTimeoutException Class Reference 3650
6.755.1 Constructor & Destructor Documentation 3651

6.755.1.1 SocketTimeoutException 3651
6.755.1.2 SocketTimeoutException 3651
6.755.1.3 SocketTimeoutException 3651
6.755.1.4 SocketTimeoutException 3651
6.755.1.5 SocketTimeoutException 3652
6.755.1.6 SocketTimeoutException 3652
6.755.1.7 ∼SocketTimeoutException 3652
6.755.2 Member Function Documentation 3652
6.755.2.1 clone 3652
6.756 decaf::net::ssl::SSLContext Class Reference 3653
6.756.1 Detailed Description 3653
6.756.2 Constructor & Destructor Documentation 3654
6.756.2.1 SSLContext 3654
6.756.2.2 ∼SSLContext 3654
6.756.3 Member Function Documentation 3654
6.756.3.1 getDefault 3654
6.756.3.2 getDefaultSSLParameters 3654
6.756.3.3 getServerSocketFactory 3654
6.756.3.4 getSocketFactory 3655
6.756.3.5 getSupportedSSLParameters 3655
6.756.3.6 setDefault 3655
6.757 decaf::net::ssl::SSLContextSpi Class Reference 3655
6.757.1 Detailed Description 3656
6.757.2 Constructor & Destructor Documentation 3656
6.757.2.1 ∼SSLContextSpi 3656
6.757.3 Member Function Documentation 3656
6.757.3.1 providerGetDefaultSSLParameters 3656
6.757.3.2 providerGetServerSocketFactory 3657
6.757.3.3 providerGetSocketFactory 3657
6.757.3.4 providerGetSupportedSSLParameters 3658
6.757.3.5 providerInit 3658
6.758 decaf::net::ssl::SSLParameters Class Reference 3658
6.758.1 Constructor & Destructor Documentation 3659
6.758.1.1 SSLParameters 3659
6.758.1.2 SSLParameters 3659
6.758.1.3 SSLParameters 3660
6.758.1.4 ∼SSLParameters 3660
6.758.2 Member Function Documentation 3660
6.758.2.1 getCipherSuites 3660
6.758.2.2 getNeedClientAuth 3660
6.758.2.3 getProtocols 3660
6.758.2.4 getWantClientAuth 3660
6.758.2.5 setCipherSuites 3661
6.758.2.6 setNeedClientAuth 3661
6.758.2.7 setProtocols 3661
6.758.2.8 setWantClientAuth 3661
6.759 decaf::net::ssl::SSLServerSocket Class Reference 3662
6.759.1 Detailed Description 3663
6.759.2 Constructor & Destructor Documentation 3663
6.759.2.1 SSLServerSocket 3663

6.759.2.2 SSLServerSocket 3663
6.759.2.3 SSLServerSocket 3664
6.759.2.4 SSLServerSocket 3664
6.759.2.5 ∼SSLServerSocket 3665
6.759.3 Member Function Documentation 3665
6.759.3.1 getEnabledCipherSuites 3665
6.759.3.2 getEnabledProtocols 3665
6.759.3.3 getNeedClientAuth 3665
6.759.3.4 getSupportedCipherSuites 3666
6.759.3.5 getSupportedProtocols 3666
6.759.3.6 getWantClientAuth 3666
6.759.3.7 setEnabledCipherSuites 3666
6.759.3.8 setEnabledProtocols 3667
6.759.3.9 setNeedClientAuth 3667
6.759.3.10 setWantClientAuth 3667
6.760 decaf::net::ssl::SSLServerSocketFactory Class Reference 3668
6.760.1 Detailed Description 3668
6.760.2 Constructor & Destructor Documentation 3669
6.760.2.1 SSLServerSocketFactory 3669
6.760.2.2 ∼SSLServerSocketFactory 3669
6.760.3 Member Function Documentation 3669
6.760.3.1 getDefault 3669
6.760.3.2 getDefaultCipherSuites 3669
6.760.3.3 getSupportedCipherSuites 3670
6.761 decaf::net::ssl::SSLSocket Class Reference 3670
6.761.1 Detailed Description 3672
6.761.2 Constructor & Destructor Documentation 3672
6.761.2.1 SSLSocket 3672
6.761.2.2 SSLSocket 3672
6.761.2.3 SSLSocket 3673
6.761.2.4 SSLSocket 3673
6.761.2.5 SSLSocket 3674
6.761.2.6 ∼SSLSocket 3674
6.761.3 Member Function Documentation 3674
6.761.3.1 getEnabledCipherSuites 3674
6.761.3.2 getEnabledProtocols 3674
6.761.3.3 getNeedClientAuth 3675
6.761.3.4 getSSLParameters 3675
6.761.3.5 getSupportedCipherSuites 3675
6.761.3.6 getSupportedProtocols 3675
6.761.3.7 getUseClientMode 3676
6.761.3.8 getWantClientAuth 3676
6.761.3.9 setEnabledCipherSuites 3676
6.761.3.10 setEnabledProtocols 3677
6.761.3.11 setNeedClientAuth 3677
6.761.3.12 setSSLParameters 3677
6.761.3.13 setUseClientMode 3678
6.761.3.14 setWantClientAuth 3678
6.761.3.15 startHandshake 3679
6.762 decaf::net::ssl::SSLSocketFactory Class Reference 3679

6.762.1 Detailed Description 3680
6.762.2 Constructor & Destructor Documentation 3680
6.762.2.1 SSLSocketFactory 3680
6.762.2.2 ∼SSLSocketFactory 3680
6.762.3 Member Function Documentation 3680
6.762.3.1 createSocket 3680
6.762.3.2 getDefault 3681
6.762.3.3 getDefaultCipherSuites 3681
6.762.3.4 getSupportedCipherSuites 3682
6.763 activemq::transport::tcp::SslTransport Class Reference 3682
6.763.1 Detailed Description 3683
6.763.2 Constructor & Destructor Documentation 3683
6.763.2.1 SslTransport 3683
6.763.2.2 ∼SslTransport 3683
6.763.3 Member Function Documentation 3683
6.763.3.1 configureSocket 3683
6.763.3.2 createSocket 3683
6.764 activemq::transport::tcp::SslTransportFactory Class Reference 3684
6.764.1 Constructor & Destructor Documentation 3685
6.764.1.1 ∼SslTransportFactory 3685
6.764.2 Member Function Documentation 3685
6.764.2.1 doCreateComposite 3685
6.765 activemq::commands::BrokerError::StackTraceElement Struct Reference 3685
6.765.1 Field Documentation 3686
6.765.1.1 ClassName 3686
6.765.1.2 FileName 3686
6.765.1.3 LineNumber 3686
6.765.1.4 MethodName 3686
6.766 decaf::internal::io::StandardErrorOutputStream Class Reference . . . 3686
6.766.1 Detailed Description 3687
6.766.2 Constructor & Destructor Documentation 3687
6.766.2.1 StandardErrorOutputStream 3687
6.766.2.2 ∼StandardErrorOutputStream 3687
6.766.3 Member Function Documentation 3687
6.766.3.1 close 3687
6.766.3.2 doWriteArrayBounded 3687
6.766.3.3 doWriteByte 3688
6.766.3.4 flush 3688
6.767 decaf::internal::io::StandardInputStream Class Reference 3688
6.767.1 Constructor & Destructor Documentation 3689
6.767.1.1 StandardInputStream 3689
6.767.1.2 ∼StandardInputStream 3689
6.767.2 Member Function Documentation 3689
6.767.2.1 available 3689
6.767.2.2 doReadByte 3689
6.768 decaf::internal::io::StandardOutputStream Class Reference 3689
6.768.1 Constructor & Destructor Documentation 3690
6.768.1.1 StandardOutputStream 3690
6.768.1.2 ∼StandardOutputStream 3690
6.768.2 Member Function Documentation 3690

6.768.2.1 close 3690
6.768.2.2 doWriteArrayBounded 3691
6.768.2.3 doWriteByte 3691
6.768.2.4 flush 3691
6.769 cms::Startable Class Reference 3691
6.769.1 Detailed Description 3692
6.769.2 Constructor & Destructor Documentation 3692
6.769.2.1 ∼Startable 3692
6.769.3 Member Function Documentation 3692
6.769.3.1 start 3692
6.770 decaf::lang::STATIC_CAST_TOKEN Struct Reference 3692
6.771 activemq::core::ActiveMQConstants::StaticInitializer Class Reference 3693
6.771.1 Constructor & Destructor Documentation 3693
6.771.1.1 StaticInitializer 3693
6.771.1.2 ∼StaticInitializer 3693
6.771.2 Field Documentation 3693
6.771.2.1 destOptionMap 3693
6.771.2.2 destOptions 3693
6.771.2.3 uriParams 3693
6.771.2.4 uriParamsMap 3693
6.772 decaf::util::StlList< E > Class Template Reference 3694
6.772.1 Detailed Description 3699
6.772.2 Constructor & Destructor Documentation 3699
6.772.2.1 StlList 3699
6.772.2.2 StlList 3699
6.772.2.3 StlList 3700
6.772.2.4 ∼StlList 3700
6.772.3 Member Function Documentation 3700
6.772.3.1 add 3700
6.772.3.2 add 3701
6.772.3.3 addAll 3701
6.772.3.4 clear 3702
6.772.3.5 contains 3702
6.772.3.6 copy 3703
6.772.3.7 equals 3703
6.772.3.8 get 3703
6.772.3.9 indexOf 3703
6.772.3.10 isEmpty 3704
6.772.3.11 iterator 3704
6.772.3.12 iterator 3704
6.772.3.13 lastIndexOf 3704
6.772.3.14 listIterator 3705
6.772.3.15 listIterator 3705
6.772.3.16 listIterator 3706
6.772.3.17 listIterator 3706
6.772.3.18 remove 3706
6.772.3.19 remove 3706
6.772.3.20 set 3707
6.772.3.21 size 3708
6.773 decaf::util::StlMap< K, V, COMPARATOR > Class Template Reference 3708

6.773.1 Detailed Description 3712
6.773.2 Constructor & Destructor Documentation 3713
6.773.2.1 StlMap 3713
6.773.2.2 StlMap 3713
6.773.2.3 StlMap 3713
6.773.2.4 ∼StlMap 3713
6.773.3 Member Function Documentation 3713
6.773.3.1 clear 3713
6.773.3.2 containsKey 3714
6.773.3.3 containsValue 3714
6.773.3.4 copy 3714
6.773.3.5 copy 3714
6.773.3.6 equals 3715
6.773.3.7 equals 3715
6.773.3.8 get 3715
6.773.3.9 get 3716
6.773.3.10 isEmpty 3716
6.773.3.11 keySet 3716
6.773.3.12 lock 3717
6.773.3.13 notify 3717
6.773.3.14 notifyAll 3717
6.773.3.15 put 3718
6.773.3.16 putAll 3718
6.773.3.17 putAll 3718
6.773.3.18 remove 3719
6.773.3.19 size 3719
6.773.3.20 tryLock 3719
6.773.3.21 unlock 3720
6.773.3.22 values 3720
6.773.3.23 wait 3720
6.773.3.24 wait 3721
6.773.3.25 wait 3721
6.774 decaf::util::StlQueue< T > Class Template Reference 3722
6.774.1 Detailed Description 3724
6.774.2 Constructor & Destructor Documentation 3725
6.774.2.1 StlQueue 3725
6.774.2.2 ∼StlQueue 3725
6.774.3 Member Function Documentation 3725
6.774.3.1 back 3725
6.774.3.2 back 3725
6.774.3.3 clear 3725
6.774.3.4 empty 3725
6.774.3.5 enqueueFront 3725
6.774.3.6 front 3726
6.774.3.7 front 3726
6.774.3.8 getSafeValue 3726
6.774.3.9 iterator 3726
6.774.3.10 lock 3727
6.774.3.11 notify 3727
6.774.3.12 notifyAll 3727

6.774.3.13 pop . . . 3728
6.774.3.14 push . . . 3728
6.774.3.15 reverse . . . 3728
6.774.3.16 size . . . 3728
6.774.3.17 toArray . . . 3728
6.774.3.18 tryLock . . . 3729
6.774.3.19 unlock . . . 3729
6.774.3.20 wait . . . 3729
6.774.3.21 wait . . . 3730
6.774.3.22 wait . . . 3730
6.775 decaf::util::StlSet< E > Class Template Reference . . . 3731
6.775.1 Detailed Description . . . 3733
6.775.2 Constructor & Destructor Documentation . . . 3734
6.775.2.1 StlSet . . . 3734
6.775.2.2 StlSet . . . 3734
6.775.2.3 StlSet . . . 3734
6.775.2.4 ~StlSet . . . 3734
6.775.3 Member Function Documentation . . . 3734
6.775.3.1 add . . . 3734
6.775.3.2 clear . . . 3735
6.775.3.3 contains . . . 3736
6.775.3.4 copy . . . 3736
6.775.3.5 equals . . . 3736
6.775.3.6 isEmpty . . . 3736
6.775.3.7 iterator . . . 3736
6.775.3.8 iterator . . . 3736
6.775.3.9 remove . . . 3737
6.775.3.10 size . . . 3737
6.776 activemq::wireformat::stomp::StompCommandConstants Class Reference . . . 3738
6.776.1 Field Documentation . . . 3740
6.776.1.1 ABORT . . . 3740
6.776.1.2 ACK . . . 3740
6.776.1.3 ACK_AUTO . . . 3740
6.776.1.4 ACK_CLIENT . . . 3740
6.776.1.5 ACK_INDIVIDUAL . . . 3740
6.776.1.6 BEGIN . . . 3740
6.776.1.7 BYTES . . . 3740
6.776.1.8 COMMIT . . . 3740
6.776.1.9 CONNECT . . . 3740
6.776.1.10 CONNECTED . . . 3740
6.776.1.11 DISCONNECT . . . 3740
6.776.1.12 ERROR_CMD . . . 3740
6.776.1.13 HEADER_ACK . . . 3740
6.776.1.14 HEADER_CLIENT_ID . . . 3740
6.776.1.15 HEADER_CONSUMERPRIORITY . . . 3740
6.776.1.16 HEADER_CONTENTLENGTH . . . 3740
6.776.1.17 HEADER_CORRELATIONID . . . 3740
6.776.1.18 HEADER_DESTINATION . . . 3740
6.776.1.19 HEADER_DISPATCH_ASYNC . . . 3740

6.776.1.20 HEADER_EXCLUSIVE 3740
6.776.1.21 HEADER_EXPIRES 3740
6.776.1.22 HEADER_ID 3740
6.776.1.23 HEADER_JMSPRIORITY 3740
6.776.1.24 HEADER_LOGIN 3740
6.776.1.25 HEADER_MAXPENDINGMSGLIMIT 3740
6.776.1.26 HEADER_MESSAGE 3740
6.776.1.27 HEADER_MESSAGEID 3740
6.776.1.28 HEADER_NOLOCAL 3740
6.776.1.29 HEADER_OLDSUBSCRIPTIONNAME 3740
6.776.1.30 HEADER_PASSWORD 3740
6.776.1.31 HEADER_PERSISTENT 3740
6.776.1.32 HEADER_PREFETCHSIZE 3740
6.776.1.33 HEADER_RECEIPT_REQUIRED 3740
6.776.1.34 HEADER_RECEIPTID 3740
6.776.1.35 HEADER_REDELIVERED 3740
6.776.1.36 HEADER_REDELIVERYCOUNT 3740
6.776.1.37 HEADER_REPLYTO 3740
6.776.1.38 HEADER_REQUESTID 3740
6.776.1.39 HEADER_RESPONSEID 3740
6.776.1.40 HEADER_RETROACTIVE 3740
6.776.1.41 HEADER_SELECTOR 3740
6.776.1.42 HEADER_SESSIONID 3740
6.776.1.43 HEADER_SUBSCRIPTION 3740
6.776.1.44 HEADER_SUBSCRIPTIONNAME 3740
6.776.1.45 HEADER_TIMESTAMP 3740
6.776.1.46 HEADER_TRANSACTIONID 3740
6.776.1.47 HEADER_TRANSFORMATION 3740
6.776.1.48 HEADER_TRANSFORMATION_ERROR 3740
6.776.1.49 HEADER_TYPE 3740
6.776.1.50 MESSAGE 3740
6.776.1.51 QUEUE_PREFIX 3740
6.776.1.52 RECEIPT 3740
6.776.1.53 SEND 3740
6.776.1.54 SUBSCRIBE 3740
6.776.1.55 TEMPQUEUE_PREFIX 3740
6.776.1.56 TEMPTOPIC_PREFIX 3740
6.776.1.57 TEXT 3740
6.776.1.58 TOPIC_PREFIX 3740
6.776.1.59 UNSUBSCRIBE 3740
6.777 activemq::wireformat::stomp::StompFrame Class Reference 3741
6.777.1 Detailed Description 3742
6.777.2 Constructor & Destructor Documentation 3742
6.777.2.1 StompFrame 3742
6.777.2.2 ~StompFrame 3742
6.777.3 Member Function Documentation 3742
6.777.3.1 clone 3742
6.777.3.2 copy 3743
6.777.3.3 fromStream 3743
6.777.3.4 getBody 3743

6.777.3.5 getBody 3743
6.777.3.6 getBodyLength 3743
6.777.3.7 getCommand 3744
6.777.3.8 getProperties 3744
6.777.3.9 getProperties 3744
6.777.3.10 getProperty 3744
6.777.3.11 hasProperty 3744
6.777.3.12 removeProperty 3745
6.777.3.13 setBody 3745
6.777.3.14 setCommand 3745
6.777.3.15 setProperty 3745
6.777.3.16 toStream 3745
6.778 activemq::wireformat::stomp::StompHelper Class Reference 3746
6.778.1 Detailed Description 3747
6.778.2 Constructor & Destructor Documentation 3747
6.778.2.1 StompHelper 3747
6.778.2.2 ∼StompHelper 3747
6.778.3 Member Function Documentation 3747
6.778.3.1 convertConsumerId 3747
6.778.3.2 convertConsumerId 3748
6.778.3.3 convertDestination 3748
6.778.3.4 convertDestination 3748
6.778.3.5 convertMessageId 3748
6.778.3.6 convertMessageId 3749
6.778.3.7 convertProducerId 3749
6.778.3.8 convertProducerId 3749
6.778.3.9 convertProperties 3750
6.778.3.10 convertProperties 3750
6.778.3.11 convertTransactionId 3750
6.778.3.12 convertTransactionId 3750
6.779 activemq::wireformat::stomp::StompWireFormat Class Reference . . 3751
6.779.1 Constructor & Destructor Documentation 3752
6.779.1.1 StompWireFormat 3752
6.779.1.2 ∼StompWireFormat 3752
6.779.2 Member Function Documentation 3752
6.779.2.1 createNegotiator 3752
6.779.2.2 getVersion 3752
6.779.2.3 hasNegotiator 3753
6.779.2.4 inReceive 3753
6.779.2.5 marshal 3753
6.779.2.6 setVersion 3753
6.779.2.7 unmarshal 3754
6.780 activemq::wireformat::stomp::StompWireFormatFactory Class Reference 3754
6.780.1 Detailed Description 3755
6.780.2 Constructor & Destructor Documentation 3755
6.780.2.1 StompWireFormatFactory 3755
6.780.2.2 ∼StompWireFormatFactory 3755
6.780.3 Member Function Documentation 3755
6.780.3.1 createWireFormat 3755

6.781 cms::Stoppable Class Reference 3755
6.781.1 Detailed Description 3756
6.781.2 Constructor & Destructor Documentation 3756
6.781.2.1 ∼Stoppable 3756
6.781.3 Member Function Documentation 3756
6.781.3.1 stop 3756
6.782 decaf::util::logging::StreamHandler Class Reference 3756
6.782.1 Detailed Description 3757
6.782.2 Constructor & Destructor Documentation 3758
6.782.2.1 StreamHandler 3758
6.782.2.2 StreamHandler 3758
6.782.2.3 ∼StreamHandler 3758
6.782.3 Member Function Documentation 3758
6.782.3.1 close 3758
6.782.3.2 close 3758
6.782.3.3 flush 3759
6.782.3.4 isLoggable 3759
6.782.3.5 publish 3759
6.782.3.6 setOuputStream 3759
6.783 cms::StreamMessage Class Reference 3760
6.783.1 Detailed Description 3762
6.783.2 Constructor & Destructor Documentation 3763
6.783.2.1 ∼StreamMessage 3763
6.783.3 Member Function Documentation 3763
6.783.3.1 readBoolean 3763
6.783.3.2 readByte 3764
6.783.3.3 readBytes 3764
6.783.3.4 readBytes 3765
6.783.3.5 readChar 3766
6.783.3.6 readDouble 3766
6.783.3.7 readFloat 3767
6.783.3.8 readInt 3767
6.783.3.9 readLong 3768
6.783.3.10 readShort 3769
6.783.3.11 readString 3769
6.783.3.12 readUnsignedShort 3770
6.783.3.13 writeBoolean 3770
6.783.3.14 writeByte 3771
6.783.3.15 writeBytes 3771
6.783.3.16 writeBytes 3772
6.783.3.17 writeChar 3772
6.783.3.18 writeDouble 3772
6.783.3.19 writeFloat 3773
6.783.3.20 writeInt 3773
6.783.3.21 writeLong 3774
6.783.3.22 writeShort 3774
6.783.3.23 writeString 3774
6.783.3.24 writeUnsignedShort 3775
6.784 decaf::lang::String Class Reference 3775
6.784.1 Detailed Description 3777

6.784.2 Constructor & Destructor Documentation 3777
6.784.2.1 String 3777
6.784.2.2 String 3777
6.784.2.3 ∼String 3777
6.784.3 Member Function Documentation 3777
6.784.3.1 charAt 3777
6.784.3.2 isEmpty 3778
6.784.3.3 length 3778
6.784.3.4 subSequence 3778
6.784.3.5 toString 3778
6.785 decaf::util::StringTokenizer Class Reference 3779
6.785.1 Constructor & Destructor Documentation 3779
6.785.1.1 StringTokenizer 3779
6.785.1.2 ∼StringTokenizer 3780
6.785.2 Member Function Documentation 3780
6.785.2.1 countTokens 3780
6.785.2.2 hasMoreTokens 3780
6.785.2.3 nextToken 3780
6.785.2.4 nextToken 3781
6.785.2.5 reset 3781
6.785.2.6 toArray 3781
6.786 activemq::commands::SubscriptionInfo Class Reference 3782
6.786.1 Constructor & Destructor Documentation 3783
6.786.1.1 SubscriptionInfo 3783
6.786.1.2 ∼SubscriptionInfo 3783
6.786.2 Member Function Documentation 3783
6.786.2.1 cloneDataStructure 3783
6.786.2.2 copyDataStructure 3784
6.786.2.3 equals 3784
6.786.2.4 getClientId 3784
6.786.2.5 getClientId 3784
6.786.2.6 getDataStructureType 3784
6.786.2.7 getDestination 3785
6.786.2.8 getDestination 3785
6.786.2.9 getSelector 3785
6.786.2.10 getSelector 3785
6.786.2.11 getSubcriptionName 3785
6.786.2.12 getSubcriptionName 3785
6.786.2.13 getSubscribedDestination 3785
6.786.2.14 getSubscribedDestination 3785
6.786.2.15 setClientId 3785
6.786.2.16 setDestination 3785
6.786.2.17 setSelector 3785
6.786.2.18 setSubcriptionName 3785
6.786.2.19 setSubscribedDestination 3785
6.786.2.20 toString 3785
6.786.3 Field Documentation 3786
6.786.3.1 clientId 3786
6.786.3.2 destination 3786
6.786.3.3 ID_SUBSCRIPTIONINFO 3786

6.786.3.4 selector 3786
6.786.3.5 subcriptionName 3786
6.786.3.6 subscribedDestination 3786
6.787 activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller Class Reference 3786
6.787.1 Detailed Description 3787
6.787.2 Constructor & Destructor Documentation 3788
6.787.2.1 SubscriptionInfoMarshaller 3788
6.787.2.2 ∼SubscriptionInfoMarshaller 3788
6.787.3 Member Function Documentation 3788
6.787.3.1 createObject 3788
6.787.3.2 getDataStructureType 3788
6.787.3.3 looseMarshal 3788
6.787.3.4 looseUnmarshal 3789
6.787.3.5 tightMarshal1 3789
6.787.3.6 tightMarshal2 3790
6.787.3.7 tightUnmarshal 3790
6.788 activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller Class Reference 3791
6.788.1 Detailed Description 3792
6.788.2 Constructor & Destructor Documentation 3792
6.788.2.1 SubscriptionInfoMarshaller 3792
6.788.2.2 ∼SubscriptionInfoMarshaller 3792
6.788.3 Member Function Documentation 3792
6.788.3.1 createObject 3792
6.788.3.2 getDataStructureType 3792
6.788.3.3 looseMarshal 3792
6.788.3.4 looseUnmarshal 3793
6.788.3.5 tightMarshal1 3793
6.788.3.6 tightMarshal2 3794
6.788.3.7 tightUnmarshal 3794
6.789 activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller Class Reference 3795
6.789.1 Detailed Description 3796
6.789.2 Constructor & Destructor Documentation 3796
6.789.2.1 SubscriptionInfoMarshaller 3796
6.789.2.2 ∼SubscriptionInfoMarshaller 3796
6.789.3 Member Function Documentation 3796
6.789.3.1 createObject 3796
6.789.3.2 getDataStructureType 3796
6.789.3.3 looseMarshal 3796
6.789.3.4 looseUnmarshal 3797
6.789.3.5 tightMarshal1 3797
6.789.3.6 tightMarshal2 3798
6.789.3.7 tightUnmarshal 3798
6.790 activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller Class Reference 3799
6.790.1 Detailed Description 3800
6.790.2 Constructor & Destructor Documentation 3800
6.790.2.1 SubscriptionInfoMarshaller 3800

6.790.2.2 ∼SubscriptionInfoMarshaller 3800
6.790.3 Member Function Documentation 3800
6.790.3.1 createObject 3800
6.790.3.2 getDataStructureType 3800
6.790.3.3 looseMarshal 3800
6.790.3.4 looseUnmarshal 3801
6.790.3.5 tightMarshal1 3801
6.790.3.6 tightMarshal2 3802
6.790.3.7 tightUnmarshal 3802
6.791 activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller Class Reference 3803
6.791.1 Detailed Description 3804
6.791.2 Constructor & Destructor Documentation 3804
6.791.2.1 SubscriptionInfoMarshaller 3804
6.791.2.2 ∼SubscriptionInfoMarshaller 3804
6.791.3 Member Function Documentation 3804
6.791.3.1 createObject 3804
6.791.3.2 getDataStructureType 3804
6.791.3.3 looseMarshal 3804
6.791.3.4 looseUnmarshal 3805
6.791.3.5 tightMarshal1 3805
6.791.3.6 tightMarshal2 3806
6.791.3.7 tightUnmarshal 3806
6.792 activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller Class Reference 3807
6.792.1 Detailed Description 3808
6.792.2 Constructor & Destructor Documentation 3808
6.792.2.1 SubscriptionInfoMarshaller 3808
6.792.2.2 ∼SubscriptionInfoMarshaller 3808
6.792.3 Member Function Documentation 3808
6.792.3.1 createObject 3808
6.792.3.2 getDataStructureType 3808
6.792.3.3 looseMarshal 3808
6.792.3.4 looseUnmarshal 3809
6.792.3.5 tightMarshal1 3809
6.792.3.6 tightMarshal2 3810
6.792.3.7 tightUnmarshal 3810
6.793 decaf::util::concurrent::Synchronizable Class Reference 3811
6.793.1 Detailed Description 3812
6.793.2 Constructor & Destructor Documentation 3812
6.793.2.1 ∼Synchronizable 3812
6.793.3 Member Function Documentation 3812
6.793.3.1 lock 3812
6.793.3.2 notify 3813
6.793.3.3 notifyAll 3814
6.793.3.4 tryLock 3815
6.793.3.5 unlock 3816
6.793.3.6 wait 3818
6.793.3.7 wait 3819
6.793.3.8 wait 3820

6.794 decaf::internal::util::concurrent::SynchronizableImpl Class Reference 3822
6.794.1 Detailed Description . . . 3823
6.794.2 Constructor & Destructor Documentation . . . 3823
6.794.2.1 SynchronizableImpl . . . 3823
6.794.2.2 ∼SynchronizableImpl . . . 3823
6.794.3 Member Function Documentation . . . 3823
6.794.3.1 lock . . . 3823
6.794.3.2 notify . . . 3823
6.794.3.3 notifyAll . . . 3824
6.794.3.4 tryLock . . . 3824
6.794.3.5 unlock . . . 3824
6.794.3.6 wait . . . 3825
6.794.3.7 wait . . . 3825
6.794.3.8 wait . . . 3825
6.795 activemq::core::Synchronization Class Reference . . . 3826
6.795.1 Detailed Description . . . 3826
6.795.2 Constructor & Destructor Documentation . . . 3827
6.795.2.1 ∼Synchronization . . . 3827
6.795.3 Member Function Documentation . . . 3827
6.795.3.1 afterCommit . . . 3827
6.795.3.2 afterRollback . . . 3827
6.795.3.3 beforeEnd . . . 3827
6.796 decaf::util::concurrent::SynchronousQueue< E > Class Template Reference . . . 3827
6.796.1 Detailed Description . . . 3829
6.796.2 Constructor & Destructor Documentation . . . 3830
6.796.2.1 SynchronousQueue . . . 3830
6.796.2.2 ∼SynchronousQueue . . . 3830
6.796.3 Member Function Documentation . . . 3830
6.796.3.1 clear . . . 3830
6.796.3.2 contains . . . 3830
6.796.3.3 containsAll . . . 3830
6.796.3.4 drainTo . . . 3831
6.796.3.5 drainTo . . . 3832
6.796.3.6 equals . . . 3832
6.796.3.7 isEmpty . . . 3833
6.796.3.8 iterator . . . 3833
6.796.3.9 iterator . . . 3833
6.796.3.10 offer . . . 3833
6.796.3.11 offer . . . 3834
6.796.3.12 peek . . . 3834
6.796.3.13 poll . . . 3834
6.796.3.14 poll . . . 3835
6.796.3.15 put . . . 3835
6.796.3.16 remainingCapacity . . . 3836
6.796.3.17 remove . . . 3837
6.796.3.18 removeAll . . . 3837
6.796.3.19 retainAll . . . 3837
6.796.3.20 size . . . 3837
6.796.3.21 take . . . 3837

6.796.3.22 toArray 3838
6.797 decaf::lang::System Class Reference 3838
6.797.1 Detailed Description 3840
6.797.2 Constructor & Destructor Documentation 3840
6.797.2.1 System 3840
6.797.2.2 ~System 3840
6.797.3 Member Function Documentation 3840
6.797.3.1 arraycopy 3840
6.797.3.2 arraycopy 3841
6.797.3.3 arraycopy 3841
6.797.3.4 arraycopy 3842
6.797.3.5 availableProcessors 3842
6.797.3.6 clearProperty 3842
6.797.3.7 currentTimeMillis 3843
6.797.3.8 getenv 3843
6.797.3.9 getenv 3843
6.797.3.10 getProperties 3844
6.797.3.11 getProperty 3844
6.797.3.12 getProperty 3844
6.797.3.13 nanoTime 3845
6.797.3.14 setenv 3845
6.797.3.15 setProperty 3846
6.797.3.16 unsetenv 3846
6.797.4 Friends And Related Function Documentation 3846
6.797.4.1 decaf::lang::Runtime 3846
6.798 activemq::threads::Task Class Reference 3846
6.798.1 Detailed Description 3847
6.798.2 Constructor & Destructor Documentation 3847
6.798.2.1 ~Task 3847
6.798.3 Member Function Documentation 3847
6.798.3.1 iterate 3847
6.799 decaf::util::concurrent::TaskListener Class Reference 3847
6.799.1 Constructor & Destructor Documentation 3848
6.799.1.1 ~TaskListener 3848
6.799.2 Member Function Documentation 3848
6.799.2.1 onTaskComplete 3848
6.799.2.2 onTaskException 3848
6.800 activemq::threads::TaskRunner Class Reference 3849
6.800.1 Constructor & Destructor Documentation 3849
6.800.1.1 ~TaskRunner 3849
6.800.2 Member Function Documentation 3849
6.800.2.1 shutdown 3849
6.800.2.2 shutdown 3849
6.800.2.3 wakeup 3850
6.801 decaf::internal::net::tcp::TcpSocket Class Reference 3850
6.801.1 Detailed Description 3853
6.801.2 Constructor & Destructor Documentation 3854
6.801.2.1 TcpSocket 3854
6.801.2.2 ~TcpSocket 3854
6.801.3 Member Function Documentation 3854

6.801.3.1 accept . . . 3854
6.801.3.2 available . . . 3854
6.801.3.3 bind . . . 3854
6.801.3.4 checkResult . . . 3855
6.801.3.5 close . . . 3855
6.801.3.6 connect . . . 3855
6.801.3.7 create . . . 3855
6.801.3.8 getInputStream . . . 3856
6.801.3.9 getLocalAddress . . . 3856
6.801.3.10 getOption . . . 3856
6.801.3.11 getOutputStream . . . 3857
6.801.3.12 getSocketHandle . . . 3857
6.801.3.13 isClosed . . . 3857
6.801.3.14 isConnected . . . 3857
6.801.3.15 listen . . . 3857
6.801.3.16 read . . . 3858
6.801.3.17 setOption . . . 3858
6.801.3.18 shutdownInput . . . 3859
6.801.3.19 shutdownOutput . . . 3859
6.801.3.20 write . . . 3859
6.802 decaf::internal::net::tcp::TcpSocketInputStream Class Reference . . . 3860
6.802.1 Detailed Description . . . 3861
6.802.2 Constructor & Destructor Documentation . . . 3861
6.802.2.1 TcpSocketInputStream . . . 3861
6.802.2.2 ~TcpSocketInputStream . . . 3861
6.802.3 Member Function Documentation . . . 3861
6.802.3.1 available . . . 3861
6.802.3.2 close . . . 3862
6.802.3.3 doReadArrayBounded . . . 3862
6.802.3.4 doReadByte . . . 3862
6.802.3.5 skip . . . 3862
6.803 decaf::internal::net::tcp::TcpSocketOutputStream Class Reference . . . 3863
6.803.1 Detailed Description . . . 3864
6.803.2 Constructor & Destructor Documentation . . . 3864
6.803.2.1 TcpSocketOutputStream . . . 3864
6.803.2.2 ~TcpSocketOutputStream . . . 3864
6.803.3 Member Function Documentation . . . 3864
6.803.3.1 close . . . 3864
6.803.3.2 doWriteArrayBounded . . . 3865
6.803.3.3 doWriteByte . . . 3865
6.804 activemq::transport::tcp::TcpTransport Class Reference . . . 3865
6.804.1 Detailed Description . . . 3866
6.804.2 Constructor & Destructor Documentation . . . 3866
6.804.2.1 TcpTransport . . . 3866
6.804.2.2 ~TcpTransport . . . 3867
6.804.3 Member Function Documentation . . . 3867
6.804.3.1 close . . . 3867
6.804.3.2 configureSocket . . . 3867
6.804.3.3 connect . . . 3867
6.804.3.4 createSocket . . . 3868

6.804.3.5 isClosed 3868
6.804.3.6 isConnected 3868
6.804.3.7 isFaultTolerant 3868
6.805 activemq::transport::tcp::TcpTransportFactory Class Reference 3869
6.805.1 Detailed Description 3869
6.805.2 Constructor & Destructor Documentation 3870
6.805.2.1 ∼TcpTransportFactory 3870
6.805.3 Member Function Documentation 3870
6.805.3.1 create 3870
6.805.3.2 createComposite 3870
6.805.3.3 doCreateComposite 3871
6.806 cms::TemporaryQueue Class Reference 3871
6.806.1 Detailed Description 3872
6.806.2 Constructor & Destructor Documentation 3872
6.806.2.1 ∼TemporaryQueue 3872
6.806.3 Member Function Documentation 3872
6.806.3.1 destroy 3872
6.806.3.2 getQueueName 3872
6.807 cms::TemporaryTopic Class Reference 3873
6.807.1 Detailed Description 3873
6.807.2 Constructor & Destructor Documentation 3873
6.807.2.1 ∼TemporaryTopic 3873
6.807.3 Member Function Documentation 3873
6.807.3.1 destroy 3873
6.807.3.2 getTopicName 3874
6.808 cms::TextMessage Class Reference 3874
6.808.1 Detailed Description 3875
6.808.2 Constructor & Destructor Documentation 3875
6.808.2.1 ∼TextMessage 3875
6.808.3 Member Function Documentation 3875
6.808.3.1 getText 3875
6.808.3.2 setText 3875
6.808.3.3 setText 3876
6.809 decaf::lang::Thread Class Reference 3876
6.809.1 Detailed Description 3879
6.809.2 Member Enumeration Documentation 3880
6.809.2.1 State 3880
6.809.3 Constructor & Destructor Documentation 3880
6.809.3.1 Thread 3880
6.809.3.2 Thread 3880
6.809.3.3 Thread 3881
6.809.3.4 Thread 3881
6.809.3.5 ∼Thread 3881
6.809.4 Member Function Documentation 3881
6.809.4.1 currentThread 3881
6.809.4.2 getId 3882
6.809.4.3 getName 3882
6.809.4.4 getPriority 3882
6.809.4.5 getState 3882
6.809.4.6 getUncaughtExceptionHandler 3882

6.809.4.7 isAlive 3883
6.809.4.8 join 3883
6.809.4.9 join 3883
6.809.4.10 join 3883
6.809.4.11 run 3884
6.809.4.12 setName 3884
6.809.4.13 setPriority 3884
6.809.4.14 setUncaughtExceptionHandler 3884
6.809.4.15 sleep 3885
6.809.4.16 sleep 3885
6.809.4.17 start 3885
6.809.4.18 toString 3886
6.809.4.19 yield 3886
6.809.5 Friends And Related Function Documentation 3886
6.809.5.1 decaf::lang::Runtime 3886
6.809.5.2 decaf::util::concurrent::locks::LockSupport 3886
6.809.6 Field Documentation 3886
6.809.6.1 MAX_PRIORITY 3886
6.809.6.2 MIN_PRIORITY 3886
6.809.6.3 NORM_PRIORITY 3886
6.810 decaf::util::concurrent::ThreadFactory Class Reference 3887
6.810.1 Detailed Description 3887
6.810.2 Constructor & Destructor Documentation 3887
6.810.2.1 ~ThreadFactory 3887
6.810.3 Member Function Documentation 3887
6.810.3.1 newThread 3887
6.811 decaf::lang::ThreadGroup Class Reference 3888
6.811.1 Detailed Description 3888
6.811.2 Constructor & Destructor Documentation 3888
6.811.2.1 ThreadGroup 3888
6.811.2.2 ~ThreadGroup 3888
6.812 decaf::util::concurrent::ThreadPool Class Reference 3888
6.812.1 Detailed Description 3890
6.812.2 Member Typedef Documentation 3891
6.812.2.1 Task 3891
6.812.3 Constructor & Destructor Documentation 3891
6.812.3.1 ThreadPool 3891
6.812.3.2 ~ThreadPool 3891
6.812.4 Member Function Documentation 3891
6.812.4.1 deQueueTask 3891
6.812.4.2 getBacklog 3891
6.812.4.3 getBlockSize 3891
6.812.4.4 getFreeThreadCount 3892
6.812.4.5 getInstance 3892
6.812.4.6 getMaxThreads 3892
6.812.4.7 getPoolSize 3892
6.812.4.8 onTaskCompleted 3892
6.812.4.9 onTaskException 3893
6.812.4.10 onTaskStarted 3893
6.812.4.11 queueTask 3893

6.812.4.12 reserve 3894
6.812.4.13 setBlockSize 3894
6.812.4.14 setMaxThreads 3894
6.812.5 Field Documentation 3894
6.812.5.1 DEFAULT_MAX_BLOCK_SIZE 3894
6.812.5.2 DEFAULT_MAX_POOL_SIZE 3894
6.813 decaf::lang::Throwable Class Reference 3895
6.813.1 Detailed Description 3896
6.813.2 Constructor & Destructor Documentation 3896
6.813.2.1 Throwable 3896
6.813.2.2 ∼Throwable 3896
6.813.3 Member Function Documentation 3896
6.813.3.1 clone 3896
6.813.3.2 getCause 3897
6.813.3.3 getMessage 3897
6.813.3.4 getStackTrace 3897
6.813.3.5 getStackTraceString 3898
6.813.3.6 initCause 3898
6.813.3.7 printStackTrace 3898
6.813.3.8 printStackTrace 3898
6.813.3.9 setMark 3899
6.814 decaf::util::concurrent::TimeoutException Class Reference 3899
6.814.1 Constructor & Destructor Documentation 3900
6.814.1.1 TimeoutException 3900
6.814.1.2 TimeoutException 3900
6.814.1.3 TimeoutException 3900
6.814.1.4 TimeoutException 3900
6.814.1.5 TimeoutException 3900
6.814.1.6 TimeoutException 3901
6.814.1.7 ∼TimeoutException 3901
6.814.2 Member Function Documentation 3901
6.814.2.1 clone 3901
6.815 decaf::util::Timer Class Reference 3901
6.815.1 Detailed Description 3903
6.815.2 Constructor & Destructor Documentation 3904
6.815.2.1 Timer 3904
6.815.2.2 ∼Timer 3904
6.815.3 Member Function Documentation 3904
6.815.3.1 cancel 3904
6.815.3.2 purge 3904
6.815.3.3 schedule 3905
6.815.3.4 schedule 3905
6.815.3.5 schedule 3906
6.815.3.6 schedule 3907
6.815.3.7 schedule 3907
6.815.3.8 schedule 3908
6.815.3.9 schedule 3909
6.815.3.10 schedule 3910
6.815.3.11 scheduleAtFixedRate 3910
6.815.3.12 scheduleAtFixedRate 3911

6.815.3.13 scheduleAtFixedRate 3912
6.815.3.14 scheduleAtFixedRate 3913
6.816 decaf::util::TimerTask Class Reference 3914
6.816.1 Detailed Description 3915
6.816.2 Constructor & Destructor Documentation 3915
6.816.2.1 TimerTask 3915
6.816.2.2 ∼TimerTask 3915
6.816.3 Member Function Documentation 3915
6.816.3.1 cancel 3915
6.816.3.2 getWhen 3916
6.816.3.3 isScheduled 3916
6.816.3.4 scheduledExecutionTime 3916
6.816.3.5 setScheduledTime 3916
6.816.4 Friends And Related Function Documentation 3916
6.816.4.1 decaf::internal::util::TimerTaskHeap 3916
6.816.4.2 Timer 3916
6.816.4.3 TimerImpl 3916
6.817 decaf::internal::util::TimerTaskHeap Class Reference 3916
6.817.1 Detailed Description 3917
6.817.2 Constructor & Destructor Documentation 3918
6.817.2.1 TimerTaskHeap 3918
6.817.2.2 ∼TimerTaskHeap 3918
6.817.3 Member Function Documentation 3918
6.817.3.1 adjustMinimum 3918
6.817.3.2 deleteIfCancelled 3918
6.817.3.3 find 3918
6.817.3.4 insert 3918
6.817.3.5 isEmpty 3919
6.817.3.6 peek 3919
6.817.3.7 remove 3919
6.817.3.8 reset 3919
6.817.3.9 size 3919
6.818 decaf::util::concurrent::TimeUnit Class Reference 3919
6.818.1 Detailed Description 3922
6.818.2 Constructor & Destructor Documentation 3922
6.818.2.1 TimeUnit 3922
6.818.2.2 ∼TimeUnit 3922
6.818.3 Member Function Documentation 3922
6.818.3.1 compareTo 3922
6.818.3.2 convert 3923
6.818.3.3 equals 3924
6.818.3.4 operator< 3924
6.818.3.5 operator== 3924
6.818.3.6 sleep 3924
6.818.3.7 timedJoin 3925
6.818.3.8 timedWait 3925
6.818.3.9 toDays 3926
6.818.3.10 toHours 3926
6.818.3.11 toMicros 3927
6.818.3.12 toMillis 3927

6.818.3.13 toMinutes 3927
6.818.3.14 toNanos 3928
6.818.3.15 toSeconds 3928
6.818.3.16 toString 3928
6.818.3.17 valueOf 3929
6.818.4 Field Documentation 3929
6.818.4.1 DAYS 3929
6.818.4.2 HOURS 3929
6.818.4.3 MICROSECONDS 3929
6.818.4.4 MILLISECONDS 3929
6.818.4.5 MINUTES 3929
6.818.4.6 NANOSECONDS 3929
6.818.4.7 SECONDS 3930
6.818.4.8 values 3930
6.819 cms::Topic Class Reference 3930
6.819.1 Detailed Description 3930
6.819.2 Constructor & Destructor Documentation 3931
6.819.2.1 ∼Topic 3931
6.819.3 Member Function Documentation 3931
6.819.3.1 getTopicName 3931
6.820 activemq::state::Tracked Class Reference 3931
6.820.1 Constructor & Destructor Documentation 3932
6.820.1.1 Tracked 3932
6.820.1.2 Tracked 3932
6.820.1.3 ∼Tracked 3932
6.820.2 Member Function Documentation 3932
6.820.2.1 isWaitingForResponse 3932
6.820.2.2 onResponse 3932
6.821 activemq::commands::TransactionId Class Reference 3932
6.821.1 Member Typedef Documentation 3933
6.821.1.1 COMPARATOR 3933
6.821.2 Constructor & Destructor Documentation 3933
6.821.2.1 TransactionId 3933
6.821.2.2 TransactionId 3933
6.821.2.3 ∼TransactionId 3933
6.821.3 Member Function Documentation 3933
6.821.3.1 cloneDataStructure 3933
6.821.3.2 compareTo 3934
6.821.3.3 copyDataStructure 3934
6.821.3.4 equals 3934
6.821.3.5 equals 3934
6.821.3.6 getDataStructureType 3934
6.821.3.7 operator< 3935
6.821.3.8 operator= 3935
6.821.3.9 operator== 3935
6.821.3.10 toString 3935
6.821.4 Field Documentation 3935
6.821.4.1 ID_TRANSACTIONID 3935
6.822 activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller Class Reference 3935

6.822.1 Detailed Description 3936
6.822.2 Constructor & Destructor Documentation 3937
6.822.2.1 TransactionIdMarshaller 3937
6.822.2.2 ∼TransactionIdMarshaller 3937
6.822.3 Member Function Documentation 3937
6.822.3.1 looseMarshal 3937
6.822.3.2 looseUnmarshal 3937
6.822.3.3 tightMarshal1 3938
6.822.3.4 tightMarshal2 3938
6.822.3.5 tightUnmarshal 3939
6.823 activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller Class Reference 3939
6.823.1 Detailed Description 3940
6.823.2 Constructor & Destructor Documentation 3941
6.823.2.1 TransactionIdMarshaller 3941
6.823.2.2 ∼TransactionIdMarshaller 3941
6.823.3 Member Function Documentation 3941
6.823.3.1 looseMarshal 3941
6.823.3.2 looseUnmarshal 3941
6.823.3.3 tightMarshal1 3942
6.823.3.4 tightMarshal2 3942
6.823.3.5 tightUnmarshal 3943
6.824 activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller Class Reference 3943
6.824.1 Detailed Description 3944
6.824.2 Constructor & Destructor Documentation 3945
6.824.2.1 TransactionIdMarshaller 3945
6.824.2.2 ∼TransactionIdMarshaller 3945
6.824.3 Member Function Documentation 3945
6.824.3.1 looseMarshal 3945
6.824.3.2 looseUnmarshal 3945
6.824.3.3 tightMarshal1 3946
6.824.3.4 tightMarshal2 3946
6.824.3.5 tightUnmarshal 3947
6.825 activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller Class Reference 3947
6.825.1 Detailed Description 3948
6.825.2 Constructor & Destructor Documentation 3949
6.825.2.1 TransactionIdMarshaller 3949
6.825.2.2 ∼TransactionIdMarshaller 3949
6.825.3 Member Function Documentation 3949
6.825.3.1 looseMarshal 3949
6.825.3.2 looseUnmarshal 3949
6.825.3.3 tightMarshal1 3950
6.825.3.4 tightMarshal2 3950
6.825.3.5 tightUnmarshal 3951
6.826 activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller Class Reference 3951
6.826.1 Detailed Description 3952
6.826.2 Constructor & Destructor Documentation 3953

6.826.2.1 TransactionIdMarshaller 3953
6.826.2.2 ∼TransactionIdMarshaller 3953
6.826.3 Member Function Documentation 3953
6.826.3.1 looseMarshal 3953
6.826.3.2 looseUnmarshal 3953
6.826.3.3 tightMarshal1 3954
6.826.3.4 tightMarshal2 3954
6.826.3.5 tightUnmarshal 3955
6.827 activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller Class Reference 3955
6.827.1 Detailed Description 3956
6.827.2 Constructor & Destructor Documentation 3957
6.827.2.1 TransactionIdMarshaller 3957
6.827.2.2 ∼TransactionIdMarshaller 3957
6.827.3 Member Function Documentation 3957
6.827.3.1 looseMarshal 3957
6.827.3.2 looseUnmarshal 3957
6.827.3.3 tightMarshal1 3958
6.827.3.4 tightMarshal2 3958
6.827.3.5 tightUnmarshal 3959
6.828 activemq::commands::TransactionInfo Class Reference 3959
6.828.1 Constructor & Destructor Documentation 3961
6.828.1.1 TransactionInfo 3961
6.828.1.2 ∼TransactionInfo 3961
6.828.2 Member Function Documentation 3961
6.828.2.1 cloneDataStructure 3961
6.828.2.2 copyDataStructure 3961
6.828.2.3 equals 3961
6.828.2.4 getConnectionId 3962
6.828.2.5 getConnectionId 3962
6.828.2.6 getDataStructureType 3962
6.828.2.7 getTransactionId 3962
6.828.2.8 getTransactionId 3962
6.828.2.9 getType 3962
6.828.2.10 isTransactionInfo 3962
6.828.2.11 setConnectionId 3963
6.828.2.12 setTransactionId 3963
6.828.2.13 setType 3963
6.828.2.14 toString 3963
6.828.2.15 visit 3963
6.828.3 Field Documentation 3964
6.828.3.1 connectionId 3964
6.828.3.2 ID_TRANSACTIONINFO 3964
6.828.3.3 transactionId 3964
6.828.3.4 type 3964
6.829 activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller Class Reference 3964
6.829.1 Detailed Description 3965
6.829.2 Constructor & Destructor Documentation 3965
6.829.2.1 TransactionInfoMarshaller 3965

6.829.2.2 ∼TransactionInfoMarshaller 3965
6.829.3 Member Function Documentation 3965
6.829.3.1 createObject 3965
6.829.3.2 getDataStructureType 3966
6.829.3.3 looseMarshal 3966
6.829.3.4 looseUnmarshal 3966
6.829.3.5 tightMarshal1 3967
6.829.3.6 tightMarshal2 3967
6.829.3.7 tightUnmarshal 3968
6.830 activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller Class Reference 3968
6.830.1 Detailed Description 3969
6.830.2 Constructor & Destructor Documentation 3969
6.830.2.1 TransactionInfoMarshaller 3969
6.830.2.2 ∼TransactionInfoMarshaller 3969
6.830.3 Member Function Documentation 3969
6.830.3.1 createObject 3969
6.830.3.2 getDataStructureType 3970
6.830.3.3 looseMarshal 3970
6.830.3.4 looseUnmarshal 3970
6.830.3.5 tightMarshal1 3971
6.830.3.6 tightMarshal2 3971
6.830.3.7 tightUnmarshal 3972
6.831 activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller Class Reference 3972
6.831.1 Detailed Description 3973
6.831.2 Constructor & Destructor Documentation 3974
6.831.2.1 TransactionInfoMarshaller 3974
6.831.2.2 ∼TransactionInfoMarshaller 3974
6.831.3 Member Function Documentation 3974
6.831.3.1 createObject 3974
6.831.3.2 getDataStructureType 3974
6.831.3.3 looseMarshal 3974
6.831.3.4 looseUnmarshal 3975
6.831.3.5 tightMarshal1 3975
6.831.3.6 tightMarshal2 3976
6.831.3.7 tightUnmarshal 3976
6.832 activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller Class Reference 3977
6.832.1 Detailed Description 3978
6.832.2 Constructor & Destructor Documentation 3978
6.832.2.1 TransactionInfoMarshaller 3978
6.832.2.2 ∼TransactionInfoMarshaller 3978
6.832.3 Member Function Documentation 3978
6.832.3.1 createObject 3978
6.832.3.2 getDataStructureType 3978
6.832.3.3 looseMarshal 3978
6.832.3.4 looseUnmarshal 3979
6.832.3.5 tightMarshal1 3979
6.832.3.6 tightMarshal2 3980

6.832.3.7 tightUnmarshal 3980
6.833 activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller Class Reference 3981
6.833.1 Detailed Description 3982
6.833.2 Constructor & Destructor Documentation 3982
6.833.2.1 TransactionInfoMarshaller 3982
6.833.2.2 ~TransactionInfoMarshaller 3982
6.833.3 Member Function Documentation 3982
6.833.3.1 createObject 3982
6.833.3.2 getDataStructureType 3982
6.833.3.3 looseMarshal 3983
6.833.3.4 looseUnmarshal 3983
6.833.3.5 tightMarshal1 3984
6.833.3.6 tightMarshal2 3984
6.833.3.7 tightUnmarshal 3985
6.834 activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller Class Reference 3985
6.834.1 Detailed Description 3986
6.834.2 Constructor & Destructor Documentation 3986
6.834.2.1 TransactionInfoMarshaller 3986
6.834.2.2 ~TransactionInfoMarshaller 3986
6.834.3 Member Function Documentation 3986
6.834.3.1 createObject 3986
6.834.3.2 getDataStructureType 3987
6.834.3.3 looseMarshal 3987
6.834.3.4 looseUnmarshal 3987
6.834.3.5 tightMarshal1 3988
6.834.3.6 tightMarshal2 3988
6.834.3.7 tightUnmarshal 3989
6.835 activemq::state::TransactionState Class Reference 3989
6.835.1 Constructor & Destructor Documentation 3991
6.835.1.1 TransactionState 3991
6.835.1.2 ~TransactionState 3991
6.835.2 Member Function Documentation 3991
6.835.2.1 addCommand 3991
6.835.2.2 addProducerState 3991
6.835.2.3 checkShutdown 3991
6.835.2.4 getCommands 3991
6.835.2.5 getId 3991
6.835.2.6 getPreparedResult 3991
6.835.2.7 getProducerStates 3991
6.835.2.8 isPrepared 3991
6.835.2.9 setPrepared 3991
6.835.2.10 setPreparedResult 3991
6.835.2.11 shutdown 3991
6.835.2.12 toString 3991
6.836 decaf::internal::util::concurrent::Transferer< E > Class Template Reference 3991
6.836.1 Detailed Description 3992

6.837 decaf::internal::util::concurrent::TransferQueue< E > Class Template Reference . . . 3992
6.837.1 Detailed Description . . . 3993
6.837.2 Constructor & Destructor Documentation . . . 3993
6.837.2.1 TransferQueue . . . 3993
6.837.2.2 ~TransferQueue . . . 3993
6.837.3 Member Function Documentation . . . 3993
6.837.3.1 transfer . . . 3993
6.837.3.2 transfer . . . 3994
6.838 decaf::internal::util::concurrent::TransferStack< E > Class Template Reference . . . 3994
6.838.1 Constructor & Destructor Documentation . . . 3995
6.838.1.1 TransferStack . . . 3995
6.838.1.2 ~TransferStack . . . 3995
6.838.2 Member Function Documentation . . . 3995
6.838.2.1 transfer . . . 3995
6.838.2.2 transfer . . . 3995
6.839 activemq::transport::Transport Class Reference . . . 3996
6.839.1 Detailed Description . . . 3997
6.839.2 Constructor & Destructor Documentation . . . 3998
6.839.2.1 ~Transport . . . 3998
6.839.3 Member Function Documentation . . . 3998
6.839.3.1 getRemoteAddress . . . 3998
6.839.3.2 getTransportListener . . . 3998
6.839.3.3 isClosed . . . 3998
6.839.3.4 isConnected . . . 3998
6.839.3.5 isFaultTolerant . . . 3999
6.839.3.6 narrow . . . 3999
6.839.3.7 oneway . . . 3999
6.839.3.8 reconnect . . . 4000
6.839.3.9 request . . . 4000
6.839.3.10 request . . . 4001
6.839.3.11 setTransportListener . . . 4001
6.839.3.12 setWireFormat . . . 4002
6.839.3.13 start . . . 4002
6.839.3.14 stop . . . 4002
6.840 activemq::transport::TransportFactory Class Reference . . . 4003
6.840.1 Detailed Description . . . 4003
6.840.2 Constructor & Destructor Documentation . . . 4003
6.840.2.1 ~TransportFactory . . . 4003
6.840.3 Member Function Documentation . . . 4003
6.840.3.1 create . . . 4003
6.840.3.2 createComposite . . . 4004
6.841 activemq::transport::TransportFilter Class Reference . . . 4004
6.841.1 Detailed Description . . . 4006
6.841.2 Constructor & Destructor Documentation . . . 4007
6.841.2.1 TransportFilter . . . 4007
6.841.2.2 ~TransportFilter . . . 4007
6.841.3 Member Function Documentation . . . 4007
6.841.3.1 close . . . 4007

6.841.3.2 fire 4007
6.841.3.3 fire 4008
6.841.3.4 getRemoteAddress 4008
6.841.3.5 getTransportListener 4008
6.841.3.6 isClosed 4008
6.841.3.7 isConnected 4008
6.841.3.8 isFaultTolerant 4009
6.841.3.9 narrow 4009
6.841.3.10 onCommand 4009
6.841.3.11 oneway 4010
6.841.3.12 onException 4010
6.841.3.13 reconnect 4010
6.841.3.14 request 4011
6.841.3.15 request 4011
6.841.3.16 setTransportListener 4012
6.841.3.17 setWireFormat 4012
6.841.3.18 start 4012
6.841.3.19 stop 4012
6.841.3.20 transportInterrupted 4013
6.841.3.21 transportResumed 4013
6.841.4 Field Documentation 4013
6.841.4.1 listener 4013
6.841.4.2 next 4013
6.842 activemq::transport::TransportListener Class Reference 4013
6.842.1 Detailed Description 4014
6.842.2 Constructor & Destructor Documentation 4014
6.842.2.1 ~TransportListener 4014
6.842.3 Member Function Documentation 4014
6.842.3.1 onCommand 4014
6.842.3.2 onException 4015
6.842.3.3 transportInterrupted 4015
6.842.3.4 transportResumed 4015
6.843 activemq::transport::TransportRegistry Class Reference 4015
6.843.1 Detailed Description 4016
6.843.2 Constructor & Destructor Documentation 4016
6.843.2.1 ~TransportRegistry 4016
6.843.3 Member Function Documentation 4016
6.843.3.1 findFactory 4016
6.843.3.2 getInstance 4017
6.843.3.3 getTransportNames 4017
6.843.3.4 registerFactory 4017
6.843.3.5 unregisterFactory 4018
6.844 tree_desc_s Struct Reference 4018
6.844.1 Field Documentation 4018
6.844.1.1 dyn_tree 4018
6.844.1.2 max_code 4018
6.844.1.3 stat_desc 4018
6.845 decaf::lang::Thread::UncaughtExceptionHandler Class Reference . . 4018
6.845.1 Detailed Description 4019
6.845.2 Constructor & Destructor Documentation 4019

6.845.2.1 ∼UncaughtExceptionHandler 4019
6.845.3 Member Function Documentation 4019
6.845.3.1 uncaughtException 4019
6.846 decaf::net::UnknownHostException Class Reference 4019
6.846.1 Constructor & Destructor Documentation 4020
6.846.1.1 UnknownHostException 4020
6.846.1.2 UnknownHostException 4020
6.846.1.3 UnknownHostException 4021
6.846.1.4 UnknownHostException 4021
6.846.1.5 UnknownHostException 4021
6.846.1.6 UnknownHostException 4021
6.846.1.7 ∼UnknownHostException 4022
6.846.2 Member Function Documentation 4022
6.846.2.1 clone 4022
6.847 decaf::net::UnknownServiceException Class Reference 4022
6.847.1 Constructor & Destructor Documentation 4023
6.847.1.1 UnknownServiceException 4023
6.847.1.2 UnknownServiceException 4023
6.847.1.3 UnknownServiceException 4023
6.847.1.4 UnknownServiceException 4023
6.847.1.5 UnknownServiceException 4024
6.847.1.6 UnknownServiceException 4024
6.847.1.7 ∼UnknownServiceException 4024
6.847.2 Member Function Documentation 4024
6.847.2.1 clone 4024
6.848 decaf::io::UnsupportedEncodingException Class Reference 4025
6.848.1 Detailed Description 4026
6.848.2 Constructor & Destructor Documentation 4026
6.848.2.1 UnsupportedEncodingException 4026
6.848.2.2 UnsupportedEncodingException 4026
6.848.2.3 UnsupportedEncodingException 4026
6.848.2.4 UnsupportedEncodingException 4026
6.848.2.5 UnsupportedEncodingException 4027
6.848.2.6 UnsupportedEncodingException 4027
6.848.2.7 ∼UnsupportedEncodingException 4027
6.848.3 Member Function Documentation 4027
6.848.3.1 clone 4027
6.849 decaf::lang::exceptions::UnsupportedOperationException Class Reference 4028
6.849.1 Constructor & Destructor Documentation 4028
6.849.1.1 UnsupportedOperationException 4028
6.849.1.2 UnsupportedOperationException 4029
6.849.1.3 UnsupportedOperationException 4029
6.849.1.4 UnsupportedOperationException 4029
6.849.1.5 UnsupportedOperationException 4029
6.849.1.6 UnsupportedOperationException 4030
6.849.1.7 ∼UnsupportedOperationException 4030
6.849.2 Member Function Documentation 4030
6.849.2.1 clone 4030
6.850 cms::UnsupportedOperationException Class Reference 4030

6.850.1 Detailed Description 4031
6.850.2 Constructor & Destructor Documentation 4031
6.850.2.1 UnsupportedOperationException 4031
6.850.2.2 UnsupportedOperationException 4031
6.850.2.3 UnsupportedOperationException 4031
6.850.2.4 UnsupportedOperationException 4031
6.850.2.5 ~UnsupportedOperationException 4031
6.851 decaf::net::URI Class Reference 4031
6.851.1 Detailed Description 4034
6.851.2 Constructor & Destructor Documentation 4034
6.851.2.1 URI 4034
6.851.2.2 URI 4034
6.851.2.3 URI 4034
6.851.2.4 URI 4035
6.851.2.5 URI 4035
6.851.2.6 URI 4035
6.851.2.7 URI 4036
6.851.2.8 ~URI 4036
6.851.3 Member Function Documentation 4036
6.851.3.1 compareTo 4036
6.851.3.2 create 4036
6.851.3.3 equals 4037
6.851.3.4 getAuthority 4037
6.851.3.5 getFragment 4037
6.851.3.6 getHost 4037
6.851.3.7 getPath 4037
6.851.3.8 getPort 4037
6.851.3.9 getQuery 4037
6.851.3.10 getRawAuthority 4038
6.851.3.11 getRawFragment 4038
6.851.3.12 getRawPath 4038
6.851.3.13 getRawQuery 4038
6.851.3.14 getRawSchemeSpecificPart 4039
6.851.3.15 getRawUserInfo 4039
6.851.3.16 getScheme 4039
6.851.3.17 getSchemeSpecificPart 4039
6.851.3.18 getUserInfo 4039
6.851.3.19 isAbsolute 4040
6.851.3.20 isOpaque 4040
6.851.3.21 normalize 4040
6.851.3.22 operator< 4040
6.851.3.23 operator== 4041
6.851.3.24 parseServerAuthority 4041
6.851.3.25 relativize 4042
6.851.3.26 resolve 4042
6.851.3.27 resolve 4042
6.851.3.28 toString 4043
6.851.3.29 toURL 4043
6.852 decaf::internal::net::URIEncoderDecoder Class Reference 4044
6.852.1 Constructor & Destructor Documentation 4045

6.852.1.1 URIEncoderDecoder 4045
6.852.1.2 ∼URIEncoderDecoder 4045
6.852.2 Member Function Documentation 4045
6.852.2.1 decode 4045
6.852.2.2 encodeOthers 4045
6.852.2.3 quoteIllegal 4046
6.852.2.4 validate 4046
6.852.2.5 validateSimple 4046
6.853 decaf::internal::net::URIHelper Class Reference 4047
6.853.1 Detailed Description 4048
6.853.2 Constructor & Destructor Documentation 4048
6.853.2.1 URIHelper 4048
6.853.2.2 URIHelper 4049
6.853.2.3 ∼URIHelper 4049
6.853.3 Member Function Documentation 4049
6.853.3.1 isValidDomainName 4049
6.853.3.2 isValidHexChar 4049
6.853.3.3 isValidHost 4049
6.853.3.4 isValidIP4Word 4050
6.853.3.5 isValidIP6Address 4050
6.853.3.6 isValidIPv4Address 4050
6.853.3.7 parseAuthority 4051
6.853.3.8 parseURI 4051
6.853.3.9 validateAuthority 4052
6.853.3.10 validateFragment 4052
6.853.3.11 validatePath 4052
6.853.3.12 validateQuery 4053
6.853.3.13 validateScheme 4053
6.853.3.14 validateSsp 4053
6.853.3.15 validateUserinfo 4054
6.854 activemq::transport::failover::URIPool Class Reference 4054
6.854.1 Constructor & Destructor Documentation 4055
6.854.1.1 URIPool 4055
6.854.1.2 URIPool 4055
6.854.1.3 ∼URIPool 4055
6.854.2 Member Function Documentation 4055
6.854.2.1 addURI 4055
6.854.2.2 addURIs 4056
6.854.2.3 getURI 4056
6.854.2.4 isRandomize 4056
6.854.2.5 removeURI 4056
6.854.2.6 setRandomize 4057
6.855 activemq::util::URISupport Class Reference 4057
6.855.1 Member Function Documentation 4058
6.855.1.1 createQueryString 4058
6.855.1.2 parseComposite 4058
6.855.1.3 parseQuery 4058
6.855.1.4 parseQuery 4059
6.855.1.5 parseURL 4059
6.856 decaf::net::URISyntaxException Class Reference 4060

6.856.1 Constructor & Destructor Documentation 4061
6.856.1.1 URISyntaxException 4061
6.856.1.2 URISyntaxException 4061
6.856.1.3 URISyntaxException 4061
6.856.1.4 URISyntaxException 4061
6.856.1.5 URISyntaxException 4061
6.856.1.6 URISyntaxException 4062
6.856.1.7 URISyntaxException 4062
6.856.1.8 URISyntaxException 4062
6.856.1.9 ∼URISyntaxException 4063
6.856.2 Member Function Documentation 4063
6.856.2.1 clone 4063
6.856.2.2 getIndex 4063
6.856.2.3 getInput 4063
6.856.2.4 getReason 4063
6.857 decaf::internal::net::URIType Class Reference 4063
6.857.1 Detailed Description 4066
6.857.2 Constructor & Destructor Documentation 4066
6.857.2.1 URIType 4066
6.857.2.2 URIType 4066
6.857.2.3 ∼URIType 4066
6.857.3 Member Function Documentation 4066
6.857.3.1 getAuthority 4066
6.857.3.2 getFragment 4066
6.857.3.3 getHost 4066
6.857.3.4 getPath 4066
6.857.3.5 getPort 4067
6.857.3.6 getQuery 4067
6.857.3.7 getScheme 4067
6.857.3.8 getSchemeSpecificPart 4067
6.857.3.9 getSource 4067
6.857.3.10 getUserInfo 4068
6.857.3.11 isAbsolute 4068
6.857.3.12 isOpaque 4068
6.857.3.13 isServerAuthority 4068
6.857.3.14 isValid 4068
6.857.3.15 setAbsolute 4068
6.857.3.16 setAuthority 4069
6.857.3.17 setFragment 4069
6.857.3.18 setHost 4069
6.857.3.19 setOpaque 4069
6.857.3.20 setPath 4069
6.857.3.21 setPort 4070
6.857.3.22 setQuery 4070
6.857.3.23 setScheme 4070
6.857.3.24 setSchemeSpecificPart 4070
6.857.3.25 setServerAuthority 4071
6.857.3.26 setSource 4071
6.857.3.27 setUserInfo 4071
6.857.3.28 setValid 4071

6.858 decaf::net::URL Class Reference 4072
6.858.1 Detailed Description 4072
6.858.2 Constructor & Destructor Documentation 4073
6.858.2.1 URL 4073
6.858.2.2 URL 4073
6.858.2.3 ∼URL 4073
6.859 decaf::net::URLDecoder Class Reference 4074
6.859.1 Constructor & Destructor Documentation 4074
6.859.1.1 ∼URLDecoder 4074
6.859.2 Member Function Documentation 4074
6.859.2.1 decode 4074
6.860 decaf::net::URLEncoder Class Reference 4074
6.860.1 Constructor & Destructor Documentation 4075
6.860.1.1 ∼URLEncoder 4075
6.860.2 Member Function Documentation 4075
6.860.2.1 encode 4075
6.861 activemq::util::Usage Class Reference 4075
6.861.1 Constructor & Destructor Documentation 4076
6.861.1.1 ∼Usage 4076
6.861.2 Member Function Documentation 4076
6.861.2.1 decreaseUsage 4076
6.861.2.2 enqueueUsage 4076
6.861.2.3 increaseUsage 4077
6.861.2.4 isFull 4077
6.861.2.5 waitForSpace 4077
6.861.2.6 waitForSpace 4077
6.862 decaf::io::UTFDataFormatException Class Reference 4078
6.862.1 Detailed Description 4078
6.862.2 Constructor & Destructor Documentation 4079
6.862.2.1 UTFDataFormatException 4079
6.862.2.2 UTFDataFormatException 4079
6.862.2.3 UTFDataFormatException 4079
6.862.2.4 UTFDataFormatException 4079
6.862.2.5 UTFDataFormatException 4079
6.862.2.6 UTFDataFormatException 4080
6.862.2.7 ∼UTFDataFormatException 4080
6.862.3 Member Function Documentation 4080
6.862.3.1 clone 4080
6.863 decaf::util::UUID Class Reference 4080
6.863.1 Detailed Description 4082
6.863.2 Constructor & Destructor Documentation 4083
6.863.2.1 UUID 4083
6.863.2.2 ∼UUID 4083
6.863.3 Member Function Documentation 4083
6.863.3.1 clockSequence 4083
6.863.3.2 compareTo 4083
6.863.3.3 equals 4084
6.863.3.4 fromString 4084
6.863.3.5 getLeastSignificantBits 4084
6.863.3.6 getMostSignificantBits 4084

6.863.3.7 nameUUIDFromBytes 4084
6.863.3.8 nameUUIDFromBytes 4085
6.863.3.9 node 4085
6.863.3.10 operator< 4085
6.863.3.11 operator== 4086
6.863.3.12 randomUUID 4086
6.863.3.13 timestamp 4086
6.863.3.14 toString 4087
6.863.3.15 variant 4087
6.863.3.16 version 4087
6.864 activemq::wireformat::WireFormat Class Reference 4088
6.864.1 Detailed Description 4089
6.864.2 Constructor & Destructor Documentation 4089
6.864.2.1 ~WireFormat 4089
6.864.3 Member Function Documentation 4089
6.864.3.1 createNegotiator 4089
6.864.3.2 getVersion 4090
6.864.3.3 hasNegotiator 4090
6.864.3.4 inReceive 4090
6.864.3.5 marshal 4091
6.864.3.6 setVersion 4091
6.864.3.7 unmarshal 4091
6.865 activemq::wireformat::WireFormatFactory Class Reference 4092
6.865.1 Detailed Description 4092
6.865.2 Constructor & Destructor Documentation 4093
6.865.2.1 ~WireFormatFactory 4093
6.865.3 Member Function Documentation 4093
6.865.3.1 createWireFormat 4093
6.866 activemq::commands::WireFormatInfo Class Reference 4093
6.866.1 Constructor & Destructor Documentation 4096
6.866.1.1 WireFormatInfo 4096
6.866.1.2 ~WireFormatInfo 4096
6.866.2 Member Function Documentation 4096
6.866.2.1 afterUnmarshal 4096
6.866.2.2 beforeMarshal 4097
6.866.2.3 cloneDataStructure 4097
6.866.2.4 copyDataStructure 4097
6.866.2.5 equals 4097
6.866.2.6 getCacheSize 4098
6.866.2.7 getDataStructureType 4098
6.866.2.8 getMagic 4098
6.866.2.9 getMarshalledProperties 4098
6.866.2.10 getMaxInactivityDuration 4098
6.866.2.11 getMaxInactivityDurationInitalDelay 4099
6.866.2.12 getProperties 4099
6.866.2.13 getProperties 4099
6.866.2.14 getVersion 4099
6.866.2.15 isCacheEnabled 4099
6.866.2.16 isMarshalAware 4100
6.866.2.17 isSizePrefixDisabled 4100

6.866.2.18 isStackTraceEnabled 4100
6.866.2.19 isTcpNoDelayEnabled 4100
6.866.2.20 isTightEncodingEnabled 4100
6.866.2.21 isValid 4101
6.866.2.22 isWireFormatInfo 4101
6.866.2.23 setCacheEnabled 4101
6.866.2.24 setCacheSize 4101
6.866.2.25 setMagic 4101
6.866.2.26 setMarshalledProperties 4102
6.866.2.27 setMaxInactivityDuration 4102
6.866.2.28 setMaxInactivityDurationInitalDelay 4102
6.866.2.29 setProperties 4102
6.866.2.30 setSizePrefixDisabled 4102
6.866.2.31 setStackTraceEnabled 4103
6.866.2.32 setTcpNoDelayEnabled 4103
6.866.2.33 setTightEncodingEnabled 4103
6.866.2.34 setVersion 4103
6.866.2.35 toString 4104
6.866.2.36 visit 4104
6.866.3 Field Documentation 4104
6.866.3.1 ID_WIREFORMATINFO 4104
6.867 activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller Class Reference 4104
6.867.1 Detailed Description 4105
6.867.2 Constructor & Destructor Documentation 4106
6.867.2.1 WireFormatInfoMarshaller 4106
6.867.2.2 ~WireFormatInfoMarshaller 4106
6.867.3 Member Function Documentation 4106
6.867.3.1 createObject 4106
6.867.3.2 getDataStructureType 4106
6.867.3.3 looseMarshal 4106
6.867.3.4 looseUnmarshal 4107
6.867.3.5 tightMarshal1 4107
6.867.3.6 tightMarshal2 4108
6.867.3.7 tightUnmarshal 4108
6.868 activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller Class Reference 4109
6.868.1 Detailed Description 4110
6.868.2 Constructor & Destructor Documentation 4110
6.868.2.1 WireFormatInfoMarshaller 4110
6.868.2.2 ~WireFormatInfoMarshaller 4110
6.868.3 Member Function Documentation 4110
6.868.3.1 createObject 4110
6.868.3.2 getDataStructureType 4110
6.868.3.3 looseMarshal 4110
6.868.3.4 looseUnmarshal 4111
6.868.3.5 tightMarshal1 4111
6.868.3.6 tightMarshal2 4112
6.868.3.7 tightUnmarshal 4112

6.869 activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller Class Reference . . . 4113
6.869.1 Detailed Description . . . 4114
6.869.2 Constructor & Destructor Documentation . . . 4114
6.869.2.1 WireFormatInfoMarshaller . . . 4114
6.869.2.2 ~WireFormatInfoMarshaller . . . 4114
6.869.3 Member Function Documentation . . . 4114
6.869.3.1 createObject . . . 4114
6.869.3.2 getDataStructureType . . . 4114
6.869.3.3 looseMarshal . . . 4114
6.869.3.4 looseUnmarshal . . . 4115
6.869.3.5 tightMarshal1 . . . 4115
6.869.3.6 tightMarshal2 . . . 4116
6.869.3.7 tightUnmarshal . . . 4116
6.870 activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller Class Reference . . . 4117
6.870.1 Detailed Description . . . 4118
6.870.2 Constructor & Destructor Documentation . . . 4118
6.870.2.1 WireFormatInfoMarshaller . . . 4118
6.870.2.2 ~WireFormatInfoMarshaller . . . 4118
6.870.3 Member Function Documentation . . . 4118
6.870.3.1 createObject . . . 4118
6.870.3.2 getDataStructureType . . . 4118
6.870.3.3 looseMarshal . . . 4118
6.870.3.4 looseUnmarshal . . . 4119
6.870.3.5 tightMarshal1 . . . 4119
6.870.3.6 tightMarshal2 . . . 4120
6.870.3.7 tightUnmarshal . . . 4120
6.871 activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller Class Reference . . . 4121
6.871.1 Detailed Description . . . 4122
6.871.2 Constructor & Destructor Documentation . . . 4122
6.871.2.1 WireFormatInfoMarshaller . . . 4122
6.871.2.2 ~WireFormatInfoMarshaller . . . 4122
6.871.3 Member Function Documentation . . . 4122
6.871.3.1 createObject . . . 4122
6.871.3.2 getDataStructureType . . . 4122
6.871.3.3 looseMarshal . . . 4122
6.871.3.4 looseUnmarshal . . . 4123
6.871.3.5 tightMarshal1 . . . 4123
6.871.3.6 tightMarshal2 . . . 4124
6.871.3.7 tightUnmarshal . . . 4124
6.872 activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller Class Reference . . . 4125
6.872.1 Detailed Description . . . 4126
6.872.2 Constructor & Destructor Documentation . . . 4126
6.872.2.1 WireFormatInfoMarshaller . . . 4126
6.872.2.2 ~WireFormatInfoMarshaller . . . 4126
6.872.3 Member Function Documentation . . . 4126
6.872.3.1 createObject . . . 4126

6.872.3.2 getDataStructureType 4126
6.872.3.3 looseMarshal 4126
6.872.3.4 looseUnmarshal 4127
6.872.3.5 tightMarshal1 4127
6.872.3.6 tightMarshal2 4128
6.872.3.7 tightUnmarshal 4128
6.873 activemq::wireformat::WireFormatNegotiator Class Reference 4129
6.873.1 Detailed Description 4129
6.873.2 Constructor & Destructor Documentation 4129
6.873.2.1 WireFormatNegotiator 4129
6.873.2.2 ∼WireFormatNegotiator 4129
6.874 activemq::wireformat::WireFormatRegistry Class Reference 4129
6.874.1 Detailed Description 4130
6.874.2 Constructor & Destructor Documentation 4131
6.874.2.1 ∼WireFormatRegistry 4131
6.874.3 Member Function Documentation 4131
6.874.3.1 findFactory 4131
6.874.3.2 getInstance 4131
6.874.3.3 getWireFormatNames 4131
6.874.3.4 registerFactory 4132
6.874.3.5 unregisterFactory 4132
6.875 activemq::transport::inactivity::WriteChecker Class Reference 4132
6.875.1 Detailed Description 4133
6.875.2 Constructor & Destructor Documentation 4133
6.875.2.1 WriteChecker 4133
6.875.2.2 ∼WriteChecker 4133
6.875.3 Member Function Documentation 4133
6.875.3.1 run 4133
6.876 decaf::io::Writer Class Reference 4133
6.876.1 Constructor & Destructor Documentation 4135
6.876.1.1 Writer 4135
6.876.1.2 ∼Writer 4135
6.876.2 Member Function Documentation 4135
6.876.2.1 append 4135
6.876.2.2 append 4136
6.876.2.3 append 4136
6.876.2.4 doAppendChar 4137
6.876.2.5 doAppendCharSequence 4137
6.876.2.6 doAppendCharSequenceStartEnd 4137
6.876.2.7 doWriteArray 4137
6.876.2.8 doWriteArrayBounded 4137
6.876.2.9 doWriteChar 4137
6.876.2.10 doWriteString 4137
6.876.2.11 doWriteStringBounded 4137
6.876.2.12 doWriteVector 4137
6.876.2.13 write 4137
6.876.2.14 write 4138
6.876.2.15 write 4138
6.876.2.16 write 4138
6.876.2.17 write 4139

6.876.2.18 write 4139
6.877 decaf::security::auth::x500::X500Principal Class Reference 4140
6.877.1 Constructor & Destructor Documentation 4140
6.877.1.1 ∼X500Principal 4140
6.877.2 Member Function Documentation 4140
6.877.2.1 getEncoded 4140
6.877.2.2 getName 4140
6.877.2.3 hashCode 4140
6.878 decaf::security::cert::X509Certificate Class Reference 4141
6.878.1 Detailed Description 4141
6.878.2 Constructor & Destructor Documentation 4142
6.878.2.1 ∼X509Certificate 4142
6.878.3 Member Function Documentation 4142
6.878.3.1 checkValidity 4142
6.878.3.2 checkValidity 4142
6.878.3.3 getBasicConstraints 4142
6.878.3.4 getIssuerUniqueID 4142
6.878.3.5 getIssuerX500Principal 4142
6.878.3.6 getKeyUsage 4142
6.878.3.7 getNotAfter 4142
6.878.3.8 getNotBefore 4142
6.878.3.9 getSigAlgName 4142
6.878.3.10 getSigAlgOID 4142
6.878.3.11 getSigAlgParams 4142
6.878.3.12 getSignature 4142
6.878.3.13 getSubjectUniqueID 4142
6.878.3.14 getSubjectX500Principal 4142
6.878.3.15 getTBSCertificate 4142
6.878.3.16 getVersion 4142
6.879 activemq::commands::XATransactionId Class Reference 4143
6.879.1 Member Typedef Documentation 4144
6.879.1.1 COMPARATOR 4144
6.879.2 Constructor & Destructor Documentation 4144
6.879.2.1 XATransactionId 4144
6.879.2.2 XATransactionId 4144
6.879.2.3 ∼XATransactionId 4144
6.879.3 Member Function Documentation 4144
6.879.3.1 cloneDataStructure 4144
6.879.3.2 compareTo 4145
6.879.3.3 copyDataStructure 4145
6.879.3.4 equals 4145
6.879.3.5 equals 4145
6.879.3.6 getBranchQualifier 4145
6.879.3.7 getBranchQualifier 4145
6.879.3.8 getDataStructureType 4145
6.879.3.9 getFormatId 4146
6.879.3.10 getGlobalTransactionId 4146
6.879.3.11 getGlobalTransactionId 4146
6.879.3.12 operator< 4146
6.879.3.13 operator= 4146

6.879.3.14 operator== 4146
6.879.3.15 setBranchQualifier 4146
6.879.3.16 setFormatId 4146
6.879.3.17 setGlobalTransactionId 4146
6.879.3.18 toString 4146
6.879.4 Field Documentation 4147
6.879.4.1 branchQualifier 4147
6.879.4.2 formatId 4147
6.879.4.3 globalTransactionId 4147
6.879.4.4 ID_XATRANSACTIONID 4147
6.880 activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller Class Reference 4147
6.880.1 Detailed Description 4148
6.880.2 Constructor & Destructor Documentation 4148
6.880.2.1 XATransactionIdMarshaller 4148
6.880.2.2 ~XATransactionIdMarshaller 4148
6.880.3 Member Function Documentation 4148
6.880.3.1 createObject 4148
6.880.3.2 getDataStructureType 4149
6.880.3.3 looseMarshal 4149
6.880.3.4 looseUnmarshal 4149
6.880.3.5 tightMarshal1 4150
6.880.3.6 tightMarshal2 4150
6.880.3.7 tightUnmarshal 4151
6.881 activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller Class Reference 4151
6.881.1 Detailed Description 4152
6.881.2 Constructor & Destructor Documentation 4152
6.881.2.1 XATransactionIdMarshaller 4152
6.881.2.2 ~XATransactionIdMarshaller 4152
6.881.3 Member Function Documentation 4152
6.881.3.1 createObject 4152
6.881.3.2 getDataStructureType 4153
6.881.3.3 looseMarshal 4153
6.881.3.4 looseUnmarshal 4153
6.881.3.5 tightMarshal1 4154
6.881.3.6 tightMarshal2 4154
6.881.3.7 tightUnmarshal 4155
6.882 activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller Class Reference 4155
6.882.1 Detailed Description 4156
6.882.2 Constructor & Destructor Documentation 4157
6.882.2.1 XATransactionIdMarshaller 4157
6.882.2.2 ~XATransactionIdMarshaller 4157
6.882.3 Member Function Documentation 4157
6.882.3.1 createObject 4157
6.882.3.2 getDataStructureType 4157
6.882.3.3 looseMarshal 4157
6.882.3.4 looseUnmarshal 4158
6.882.3.5 tightMarshal1 4158

6.882.3.6 tightMarshal2 4159
6.882.3.7 tightUnmarshal 4159
6.883 activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller Class Reference 4160
6.883.1 Detailed Description 4161
6.883.2 Constructor & Destructor Documentation 4161
6.883.2.1 XATransactionIdMarshaller 4161
6.883.2.2 ∼XATransactionIdMarshaller 4161
6.883.3 Member Function Documentation 4161
6.883.3.1 createObject 4161
6.883.3.2 getDataStructureType 4161
6.883.3.3 looseMarshal 4161
6.883.3.4 looseUnmarshal 4162
6.883.3.5 tightMarshal1 4162
6.883.3.6 tightMarshal2 4163
6.883.3.7 tightUnmarshal 4163
6.884 activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller Class Reference 4164
6.884.1 Detailed Description 4165
6.884.2 Constructor & Destructor Documentation 4165
6.884.2.1 XATransactionIdMarshaller 4165
6.884.2.2 ∼XATransactionIdMarshaller 4165
6.884.3 Member Function Documentation 4165
6.884.3.1 createObject 4165
6.884.3.2 getDataStructureType 4165
6.884.3.3 looseMarshal 4166
6.884.3.4 looseUnmarshal 4166
6.884.3.5 tightMarshal1 4167
6.884.3.6 tightMarshal2 4167
6.884.3.7 tightUnmarshal 4168
6.885 activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller Class Reference 4168
6.885.1 Detailed Description 4169
6.885.2 Constructor & Destructor Documentation 4169
6.885.2.1 XATransactionIdMarshaller 4169
6.885.2.2 ∼XATransactionIdMarshaller 4169
6.885.3 Member Function Documentation 4169
6.885.3.1 createObject 4169
6.885.3.2 getDataStructureType 4170
6.885.3.3 looseMarshal 4170
6.885.3.4 looseUnmarshal 4170
6.885.3.5 tightMarshal1 4171
6.885.3.6 tightMarshal2 4171
6.885.3.7 tightUnmarshal 4172
6.886 decaf::util::logging::XMLFormatter Class Reference 4172
6.886.1 Detailed Description 4173
6.886.2 Constructor & Destructor Documentation 4173
6.886.2.1 XMLFormatter 4173
6.886.2.2 ∼XMLFormatter 4173
6.886.3 Member Function Documentation 4173

6.886.3.1 format 4173
6.886.3.2 getHead 4174
6.886.3.3 getTail 4174
6.887 z_stream_s Struct Reference 4174
6.887.1 Field Documentation 4175
6.887.1.1 adler 4175
6.887.1.2 avail_in 4175
6.887.1.3 avail_out 4175
6.887.1.4 data_type 4175
6.887.1.5 msg 4175
6.887.1.6 next_in 4175
6.887.1.7 next_out 4175
6.887.1.8 opaque 4175
6.887.1.9 reserved 4175
6.887.1.10 state 4175
6.887.1.11 total_in 4175
6.887.1.12 total_out 4175
6.887.1.13 zalloc 4175
6.887.1.14 zfree 4175
6.888 decaf::util::zip::ZipException Class Reference 4175
6.888.1 Constructor & Destructor Documentation 4176
6.888.1.1 ZipException 4176
6.888.1.2 ZipException 4176
6.888.1.3 ZipException 4177
6.888.1.4 ZipException 4177
6.888.1.5 ZipException 4177
6.888.1.6 ZipException 4177
6.888.1.7 ~ZipException 4178
6.888.2 Member Function Documentation 4178
6.888.2.1 clone 4178

7 File Documentation 4179
7.1 src/main/activemq/cmsutil/CachedConsumer.h File Reference 4179
7.2 src/main/activemq/cmsutil/CachedProducer.h File Reference 4179
7.3 src/main/activemq/cmsutil/CmsAccessor.h File Reference 4180
7.4 src/main/activemq/cmsutil/CmsDestinationAccessor.h File Reference 4180
7.5 src/main/activemq/cmsutil/CmsTemplate.h File Reference 4181
7.6 src/main/activemq/cmsutil/DestinationResolver.h File Reference . . . 4182
7.7 src/main/activemq/cmsutil/DynamicDestinationResolver.h File Reference 4182
7.8 src/main/activemq/cmsutil/MessageCreator.h File Reference 4183
7.9 src/main/activemq/cmsutil/PooledSession.h File Reference 4183
7.10 src/main/activemq/cmsutil/ProducerCallback.h File Reference 4184
7.11 src/main/activemq/cmsutil/ResourceLifecycleManager.h File Reference 4184
7.12 src/main/decaf/internal/util/ResourceLifecycleManager.h File Reference 4185
7.13 src/main/activemq/cmsutil/SessionCallback.h File Reference 4185
7.14 src/main/activemq/cmsutil/SessionPool.h File Reference 4186
7.15 src/main/activemq/commands/ActiveMQBlobMessage.h File Reference 4186
7.16 src/main/activemq/commands/ActiveMQBytesMessage.h File Reference 4187
7.17 src/main/activemq/commands/ActiveMQDestination.h File Reference 4188

7.18 src/main/activemq/commands/ActiveMQMapMessage.h File Reference 4188
7.19 src/main/activemq/commands/ActiveMQMessage.h File Reference . . 4189
7.20 src/main/activemq/commands/ActiveMQMessageTemplate.h File Reference 4189
7.21 src/main/activemq/commands/ActiveMQObjectMessage.h File Reference 4190
7.22 src/main/activemq/commands/ActiveMQQueue.h File Reference . . . 4191
7.23 src/main/activemq/commands/ActiveMQStreamMessage.h File Reference 4191
7.24 src/main/activemq/commands/ActiveMQTempDestination.h File Reference 4192
7.25 src/main/activemq/commands/ActiveMQTempQueue.h File Reference 4193
7.26 src/main/activemq/commands/ActiveMQTempTopic.h File Reference 4193
7.27 src/main/activemq/commands/ActiveMQTextMessage.h File Reference 4194
7.28 src/main/activemq/commands/ActiveMQTopic.h File Reference . . . 4194
7.29 src/main/activemq/commands/BaseCommand.h File Reference 4195
7.30 src/main/activemq/commands/BaseDataStructure.h File Reference . . 4195
7.31 src/main/activemq/commands/BooleanExpression.h File Reference . . 4196
7.32 src/main/activemq/commands/BrokerError.h File Reference 4196
7.33 src/main/activemq/commands/BrokerId.h File Reference 4197
7.34 src/main/activemq/commands/BrokerInfo.h File Reference 4197
7.35 src/main/activemq/commands/Command.h File Reference 4198
7.36 src/main/activemq/commands/ConnectionControl.h File Reference . . 4199
7.37 src/main/activemq/commands/ConnectionError.h File Reference . . . 4199
7.38 src/main/activemq/commands/ConnectionId.h File Reference 4200
7.39 src/main/activemq/commands/ConnectionInfo.h File Reference 4200
7.40 src/main/activemq/commands/ConsumerControl.h File Reference . . 4201
7.41 src/main/activemq/commands/ConsumerId.h File Reference 4201
7.42 src/main/activemq/commands/ConsumerInfo.h File Reference 4202
7.43 src/main/activemq/commands/ControlCommand.h File Reference . . 4203
7.44 src/main/activemq/commands/DataArrayResponse.h File Reference . 4203
7.45 src/main/activemq/commands/DataResponse.h File Reference 4204
7.46 src/main/activemq/commands/DataStructure.h File Reference 4204
7.47 src/main/activemq/commands/DestinationInfo.h File Reference 4205
7.48 src/main/activemq/commands/DiscoveryEvent.h File Reference . . . 4205
7.49 src/main/activemq/commands/ExceptionResponse.h File Reference . 4206
7.50 src/main/activemq/commands/FlushCommand.h File Reference . . . 4206
7.51 src/main/activemq/commands/IntegerResponse.h File Reference . . . 4207
7.52 src/main/activemq/commands/JournalQueueAck.h File Reference . . 4207
7.53 src/main/activemq/commands/JournalTopicAck.h File Reference . . . 4208
7.54 src/main/activemq/commands/JournalTrace.h File Reference 4209
7.55 src/main/activemq/commands/JournalTransaction.h File Reference . . 4209
7.56 src/main/activemq/commands/KeepAliveInfo.h File Reference 4210
7.57 src/main/activemq/commands/LastPartialCommand.h File Reference . 4210
7.58 src/main/activemq/commands/LocalTransactionId.h File Reference . . 4211
7.59 src/main/activemq/commands/Message.h File Reference 4211
7.60 src/main/cms/Message.h File Reference 4212
7.61 src/main/activemq/commands/MessageAck.h File Reference 4213
7.62 src/main/activemq/commands/MessageDispatch.h File Reference . . . 4213

7.63 src/main/activemq/commands/MessageDispatchNotification.h File Reference 4214
7.64 src/main/activemq/commands/MessageId.h File Reference 4215
7.65 src/main/activemq/commands/MessagePull.h File Reference 4215
7.66 src/main/activemq/commands/NetworkBridgeFilter.h File Reference . 4216
7.67 src/main/activemq/commands/PartialCommand.h File Reference . . . 4216
7.68 src/main/activemq/commands/ProducerAck.h File Reference 4217
7.69 src/main/activemq/commands/ProducerId.h File Reference 4217
7.70 src/main/activemq/commands/ProducerInfo.h File Reference 4218
7.71 src/main/activemq/commands/RemoveInfo.h File Reference 4219
7.72 src/main/activemq/commands/RemoveSubscriptionInfo.h File Reference 4219
7.73 src/main/activemq/commands/ReplayCommand.h File Reference . . . 4220
7.74 src/main/activemq/commands/Response.h File Reference 4220
7.75 src/main/activemq/commands/SessionId.h File Reference 4221
7.76 src/main/activemq/commands/SessionInfo.h File Reference 4221
7.77 src/main/activemq/commands/ShutdownInfo.h File Reference 4222
7.78 src/main/activemq/commands/SubscriptionInfo.h File Reference . . . 4222
7.79 src/main/activemq/commands/TransactionId.h File Reference 4223
7.80 src/main/activemq/commands/TransactionInfo.h File Reference 4223
7.81 src/main/activemq/commands/WireFormatInfo.h File Reference . . . 4224
7.82 src/main/activemq/commands/XATransactionId.h File Reference . . . 4224
7.83 src/main/activemq/core/ActiveMQAckHandler.h File Reference . . . 4225
7.84 src/main/activemq/core/ActiveMQConnection.h File Reference 4225
7.85 src/main/activemq/core/ActiveMQConnectionFactory.h File Reference 4226
7.86 src/main/activemq/core/ActiveMQConnectionMetaData.h File Reference 4227
7.87 src/main/activemq/core/ActiveMQConstants.h File Reference 4227
7.88 src/main/activemq/core/ActiveMQConsumer.h File Reference 4228
7.89 src/main/activemq/core/ActiveMQProducer.h File Reference 4229
7.90 src/main/activemq/core/ActiveMQQueueBrowser.h File Reference . . 4230
7.91 src/main/activemq/core/ActiveMQSession.h File Reference 4230
7.92 src/main/activemq/core/ActiveMQSessionExecutor.h File Reference . 4231
7.93 src/main/activemq/core/ActiveMQTransactionContext.h File Reference 4232
7.94 src/main/activemq/core/DispatchData.h File Reference 4233
7.95 src/main/activemq/core/Dispatcher.h File Reference 4233
7.96 src/main/activemq/core/MessageDispatchChannel.h File Reference . . 4234
7.97 src/main/activemq/core/policies/DefaultPrefetchPolicy.h File Reference 4234
7.98 src/main/activemq/core/policies/DefaultRedeliveryPolicy.h File Reference 4235
7.99 src/main/activemq/core/PrefetchPolicy.h File Reference 4235
7.100 src/main/activemq/core/RedeliveryPolicy.h File Reference 4236
7.101 src/main/activemq/core/Synchronization.h File Reference 4236
7.102 src/main/activemq/exceptions/ActiveMQException.h File Reference . 4237
7.103 src/main/activemq/exceptions/BrokerException.h File Reference . . . 4237
7.104 src/main/activemq/exceptions/ExceptionDefines.h File Reference . . . 4238
7.104.1 Define Documentation 4238
7.104.1.1 AMQ_CATCH_EXCEPTION_CONVERT 4238
7.104.1.2 AMQ_CATCH_NOTHROW 4239
7.104.1.3 AMQ_CATCH_RETHROW 4239
7.104.1.4 AMQ_CATCHALL_NOTHROW 4239
7.104.1.5 AMQ_CATCHALL_THROW 4240

7.105 src/main/decaf/lang/exceptions/ExceptionDefines.h File Reference . . 4240
7.105.1 Define Documentation 4241
7.105.1.1 DECAF_CATCH_EXCEPTION_CONVERT . . . 4241
7.105.1.2 DECAF_CATCH_NOTHROW 4241
7.105.1.3 DECAF_CATCH_RETHROW 4241
7.105.1.4 DECAF_CATCHALL_NOTHROW 4242
7.105.1.5 DECAF_CATCHALL_THROW 4242
7.106 src/main/activemq/io/LoggingInputStream.h File Reference 4242
7.107 src/main/activemq/io/LoggingOutputStream.h File Reference 4243
7.108 src/main/activemq/library/ActiveMQCPP.h File Reference 4243
7.109 src/main/activemq/state/CommandVisitor.h File Reference 4244
7.110 src/main/activemq/state/CommandVisitorAdapter.h File Reference . . 4244
7.111 src/main/activemq/state/ConnectionState.h File Reference 4245
7.112 src/main/activemq/state/ConnectionStateTracker.h File Reference . . 4246
7.113 src/main/activemq/state/ConsumerState.h File Reference 4247
7.114 src/main/activemq/state/ProducerState.h File Reference 4248
7.115 src/main/activemq/state/SessionState.h File Reference 4248
7.116 src/main/activemq/state/Tracked.h File Reference 4249
7.117 src/main/activemq/state/TransactionState.h File Reference 4249
7.118 src/main/activemq/threads/CompositeTask.h File Reference 4250
7.119 src/main/activemq/threads/CompositeTaskRunner.h File Reference . . 4250
7.120 src/main/activemq/threads/DedicatedTaskRunner.h File Reference . . 4251
7.121 src/main/activemq/threads/Task.h File Reference 4252
7.122 src/main/activemq/threads/TaskRunner.h File Reference 4252
7.123 src/main/activemq/transport/AbstractTransportFactory.h File Reference 4253
7.124 src/main/activemq/transport/CompositeTransport.h File Reference . . 4253
7.125 src/main/activemq/transport/correlator/FutureResponse.h File Reference 4254
7.126 src/main/activemq/transport/correlator/ResponseCorrelator.h File Reference 4254
7.127 src/main/activemq/transport/DefaultTransportListener.h File Reference 4255
7.128 src/main/activemq/transport/failover/BackupTransport.h File Reference 4256
7.129 src/main/activemq/transport/failover/BackupTransportPool.h File Reference 4256
7.130 src/main/activemq/transport/failover/CloseTransportsTask.h File Reference 4257
7.131 src/main/activemq/transport/failover/FailoverTransport.h File Reference 4257
7.132 src/main/activemq/transport/failover/FailoverTransportFactory.h File Reference 4258
7.133 src/main/activemq/transport/failover/FailoverTransportListener.h File Reference 4259
7.134 src/main/activemq/transport/failover/URIPool.h File Reference 4260
7.135 src/main/activemq/transport/inactivity/InactivityMonitor.h File Reference 4260
7.136 src/main/activemq/transport/inactivity/ReadChecker.h File Reference . 4261
7.137 src/main/activemq/transport/inactivity/WriteChecker.h File Reference 4261
7.138 src/main/activemq/transport/IOTransport.h File Reference 4262
7.139 src/main/activemq/transport/logging/LoggingTransport.h File Reference 4263
7.140 src/main/activemq/transport/mock/InternalCommandListener.h File Reference 4263
7.141 src/main/activemq/transport/mock/MockTransport.h File Reference . 4264

7.142 src/main/activemq/transport/mock/MockTransportFactory.h File Reference 4265
7.143 src/main/activemq/transport/mock/ResponseBuilder.h File Reference . 4265
7.144 src/main/activemq/transport/tcp/SslTransport.h File Reference 4266
7.145 src/main/activemq/transport/tcp/SslTransportFactory.h File Reference 4266
7.146 src/main/activemq/transport/tcp/TcpTransport.h File Reference 4267
7.147 src/main/activemq/transport/tcp/TcpTransportFactory.h File Reference 4268
7.148 src/main/activemq/transport/Transport.h File Reference 4268
7.149 src/main/activemq/transport/TransportFactory.h File Reference 4269
7.150 src/main/activemq/transport/TransportFilter.h File Reference 4270
7.151 src/main/activemq/transport/TransportListener.h File Reference 4270
7.152 src/main/activemq/transport/TransportRegistry.h File Reference . . . 4271
7.153 src/main/activemq/util/ActiveMQProperties.h File Reference 4271
7.154 src/main/activemq/util/CMSExceptionSupport.h File Reference 4272
7.154.1 Define Documentation 4273
7.154.1.1 AMQ_CATCH_ALL_THROW_CMSEXCEPTION 4273
7.155 src/main/activemq/util/CompositeData.h File Reference 4274
7.156 src/main/activemq/util/Config.h File Reference 4274
7.156.1 Define Documentation 4275
7.156.1.1 AMQCPP_API 4275
7.156.1.2 HAVE_PTHREAD_H 4275
7.156.1.3 HAVE_UUID_T 4275
7.156.1.4 HAVE_UUID_UUID_H 4275
7.157 src/main/cms/Config.h File Reference 4275
7.157.1 Define Documentation 4275
7.157.1.1 CMS_API 4275
7.158 src/main/decaf/util/Config.h File Reference 4275
7.158.1 Define Documentation 4275
7.158.1.1 DECAF_API 4275
7.158.1.2 DECAF_UNUSED 4275
7.158.1.3 HAVE_PTHREAD_H 4275
7.158.1.4 HAVE_UUID_T 4275
7.158.1.5 HAVE_UUID_UUID_H 4275
7.159 src/main/activemq/util/IdGenerator.h File Reference 4275
7.160 src/main/activemq/util/LongSequenceGenerator.h File Reference . . . 4276
7.161 src/main/activemq/util/MarshallingSupport.h File Reference 4276
7.162 src/main/activemq/util/MemoryUsage.h File Reference 4277
7.163 src/main/activemq/util/PrimitiveList.h File Reference 4277
7.164 src/main/activemq/util/PrimitiveMap.h File Reference 4278
7.165 src/main/activemq/util/PrimitiveValueConverter.h File Reference . . . 4279
7.166 src/main/activemq/util/PrimitiveValueNode.h File Reference 4279
7.167 src/main/activemq/util/URISupport.h File Reference 4280
7.168 src/main/activemq/util/Usage.h File Reference 4280
7.169 src/main/activemq/wireformat/MarshalAware.h File Reference 4281
7.170 src/main/activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h File Reference 4281
7.171 src/main/activemq/wireformat/openwire/marshal/DataStreamMarshaller.h File Reference 4282
7.172 src/main/activemq/wireformat/openwire/marshal/PrimitiveTypesMarshaller.h File Reference 4282

7.173 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQBlobMessageMarshaller.h File Reference 4283
7.174 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQBlobMessageMarshaller.h File Reference 4284
7.175 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQBlobMessageMarshaller.h File Reference 4285
7.176 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQBlobMessageMarshaller.h File Reference 4285
7.177 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQBlobMessageMarshaller.h File Reference 4286
7.178 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQBlobMessageMarshaller.h File Reference 4287
7.179 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQBytesMessageMarshaller.h File Reference 4288
7.180 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQBytesMessageMarshaller.h File Reference 4288
7.181 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQBytesMessageMarshaller.h File Reference 4289
7.182 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQBytesMessageMarshaller.h File Reference 4290
7.183 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQBytesMessageMarshaller.h File Reference 4291
7.184 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQBytesMessageMarshaller.h File Reference 4291
7.185 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQDestinationMarshaller.h File Reference 4292
7.186 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQDestinationMarshaller.h File Reference 4293
7.187 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQDestinationMarshaller.h File Reference 4294
7.188 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQDestinationMarshaller.h File Reference 4294
7.189 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQDestinationMarshaller.h File Reference 4295
7.190 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQDestinationMarshaller.h File Reference 4296
7.191 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQMapMessageMarshaller.h File Reference 4297
7.192 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQMapMessageMarshaller.h File Reference 4297
7.193 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQMapMessageMarshaller.h File Reference 4298
7.194 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQMapMessageMarshaller.h File Reference 4299
7.195 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQMapMessageMarshaller.h File Reference 4300
7.196 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQMapMessageMarshaller.h File Reference 4300
7.197 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQMessageMarshaller.h File Reference 4301

7.198 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQMessageMarshaller.h File Reference 4302
7.199 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQMessageMarshaller.h File Reference 4303
7.200 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQMessageMarshaller.h File Reference 4303
7.201 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQMessageMarshaller.h File Reference 4304
7.202 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQMessageMarshaller.h File Reference 4305
7.203 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQObjectMessageMarshaller.h File Reference 4306
7.204 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQObjectMessageMarshaller.h File Reference 4306
7.205 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQObjectMessageMarshaller.h File Reference 4307
7.206 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQObjectMessageMarshaller.h File Reference 4308
7.207 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQObjectMessageMarshaller.h File Reference 4309
7.208 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQObjectMessageMarshaller.h File Reference 4309
7.209 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQQueueMarshaller.h File Reference 4310
7.210 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQQueueMarshaller.h File Reference 4311
7.211 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQQueueMarshaller.h File Reference 4312
7.212 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQQueueMarshaller.h File Reference 4312
7.213 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQQueueMarshaller.h File Reference 4313
7.214 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQQueueMarshaller.h File Reference 4314
7.215 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQStreamMessageMarshaller.h File Reference 4315
7.216 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQStreamMessageMarshaller.h File Reference 4315
7.217 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQStreamMessageMarshaller.h File Reference 4316
7.218 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQStreamMessageMarshaller.h File Reference 4317
7.219 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQStreamMessageMarshaller.h File Reference 4318
7.220 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQStreamMessageMarshaller.h File Reference 4319
7.221 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTempDestinationMarshaller.h File Reference 4319
7.222 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTempDestinationMarshaller.h File Reference 4320

7.223 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTempDestinationMarshaller.h File Reference 4321
7.224 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTempDestinationMarshaller.h File Reference 4322
7.225 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTempDestinationMarshaller.h File Reference 4322
7.226 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTempDestinationMarshaller.h File Reference 4323
7.227 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTempQueueMarshaller.h File Reference 4324
7.228 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTempQueueMarshaller.h File Reference 4325
7.229 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTempQueueMarshaller.h File Reference 4326
7.230 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTempQueueMarshaller.h File Reference 4326
7.231 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTempQueueMarshaller.h File Reference 4327
7.232 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTempQueueMarshaller.h File Reference 4328
7.233 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTempTopicMarshaller.h File Reference 4329
7.234 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTempTopicMarshaller.h File Reference 4329
7.235 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTempTopicMarshaller.h File Reference 4330
7.236 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTempTopicMarshaller.h File Reference 4331
7.237 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTempTopicMarshaller.h File Reference 4332
7.238 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTempTopicMarshaller.h File Reference 4332
7.239 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTextMessageMarshaller.h File Reference 4333
7.240 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTextMessageMarshaller.h File Reference 4334
7.241 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTextMessageMarshaller.h File Reference 4335
7.242 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTextMessageMarshaller.h File Reference 4335
7.243 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTextMessageMarshaller.h File Reference 4336
7.244 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTextMessageMarshaller.h File Reference 4337
7.245 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTopicMarshaller.h File Reference 4338
7.246 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTopicMarshaller.h File Reference 4338
7.247 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTopicMarshaller.h File Reference 4339

7.248 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTopicMarshaller.h File Reference 4340
7.249 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTopicMarshaller.h File Reference 4341
7.250 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTopicMarshaller.h File Reference 4341
7.251 src/main/activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h File Reference 4342
7.252 src/main/activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h File Reference 4343
7.253 src/main/activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h File Reference 4344
7.254 src/main/activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h File Reference 4344
7.255 src/main/activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h File Reference 4345
7.256 src/main/activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h File Reference 4346
7.257 src/main/activemq/wireformat/openwire/marshal/v1/BrokerIdMarshaller.h File Reference 4347
7.258 src/main/activemq/wireformat/openwire/marshal/v2/BrokerIdMarshaller.h File Reference 4347
7.259 src/main/activemq/wireformat/openwire/marshal/v3/BrokerIdMarshaller.h File Reference 4348
7.260 src/main/activemq/wireformat/openwire/marshal/v4/BrokerIdMarshaller.h File Reference 4349
7.261 src/main/activemq/wireformat/openwire/marshal/v5/BrokerIdMarshaller.h File Reference 4349
7.262 src/main/activemq/wireformat/openwire/marshal/v6/BrokerIdMarshaller.h File Reference 4350
7.263 src/main/activemq/wireformat/openwire/marshal/v1/BrokerInfoMarshaller.h File Reference 4351
7.264 src/main/activemq/wireformat/openwire/marshal/v2/BrokerInfoMarshaller.h File Reference 4352
7.265 src/main/activemq/wireformat/openwire/marshal/v3/BrokerInfoMarshaller.h File Reference 4352
7.266 src/main/activemq/wireformat/openwire/marshal/v4/BrokerInfoMarshaller.h File Reference 4353
7.267 src/main/activemq/wireformat/openwire/marshal/v5/BrokerInfoMarshaller.h File Reference 4354
7.268 src/main/activemq/wireformat/openwire/marshal/v6/BrokerInfoMarshaller.h File Reference 4355
7.269 src/main/activemq/wireformat/openwire/marshal/v1/ConnectionControlMarshaller.h File Reference 4355
7.270 src/main/activemq/wireformat/openwire/marshal/v2/ConnectionControlMarshaller.h File Reference 4356
7.271 src/main/activemq/wireformat/openwire/marshal/v3/ConnectionControlMarshaller.h File Reference 4357
7.272 src/main/activemq/wireformat/openwire/marshal/v4/ConnectionControlMarshaller.h File Reference 4358

7.273 src/main/activemq/wireformat/openwire/marshal/v5/ConnectionControlMarshaller.h File Reference 4358
7.274 src/main/activemq/wireformat/openwire/marshal/v6/ConnectionControlMarshaller.h File Reference 4359
7.275 src/main/activemq/wireformat/openwire/marshal/v1/ConnectionErrorMarshaller.h File Reference 4360
7.276 src/main/activemq/wireformat/openwire/marshal/v2/ConnectionErrorMarshaller.h File Reference 4361
7.277 src/main/activemq/wireformat/openwire/marshal/v3/ConnectionErrorMarshaller.h File Reference 4361
7.278 src/main/activemq/wireformat/openwire/marshal/v4/ConnectionErrorMarshaller.h File Reference 4362
7.279 src/main/activemq/wireformat/openwire/marshal/v5/ConnectionErrorMarshaller.h File Reference 4363
7.280 src/main/activemq/wireformat/openwire/marshal/v6/ConnectionErrorMarshaller.h File Reference 4364
7.281 src/main/activemq/wireformat/openwire/marshal/v1/ConnectionIdMarshaller.h File Reference 4364
7.282 src/main/activemq/wireformat/openwire/marshal/v2/ConnectionIdMarshaller.h File Reference 4365
7.283 src/main/activemq/wireformat/openwire/marshal/v3/ConnectionIdMarshaller.h File Reference 4366
7.284 src/main/activemq/wireformat/openwire/marshal/v4/ConnectionIdMarshaller.h File Reference 4367
7.285 src/main/activemq/wireformat/openwire/marshal/v5/ConnectionIdMarshaller.h File Reference 4367
7.286 src/main/activemq/wireformat/openwire/marshal/v6/ConnectionIdMarshaller.h File Reference 4368
7.287 src/main/activemq/wireformat/openwire/marshal/v1/ConnectionInfoMarshaller.h File Reference 4369
7.288 src/main/activemq/wireformat/openwire/marshal/v2/ConnectionInfoMarshaller.h File Reference 4370
7.289 src/main/activemq/wireformat/openwire/marshal/v3/ConnectionInfoMarshaller.h File Reference 4370
7.290 src/main/activemq/wireformat/openwire/marshal/v4/ConnectionInfoMarshaller.h File Reference 4371
7.291 src/main/activemq/wireformat/openwire/marshal/v5/ConnectionInfoMarshaller.h File Reference 4372
7.292 src/main/activemq/wireformat/openwire/marshal/v6/ConnectionInfoMarshaller.h File Reference 4373
7.293 src/main/activemq/wireformat/openwire/marshal/v1/ConsumerControlMarshaller.h File Reference 4373
7.294 src/main/activemq/wireformat/openwire/marshal/v2/ConsumerControlMarshaller.h File Reference 4374
7.295 src/main/activemq/wireformat/openwire/marshal/v3/ConsumerControlMarshaller.h File Reference 4375
7.296 src/main/activemq/wireformat/openwire/marshal/v4/ConsumerControlMarshaller.h File Reference 4376
7.297 src/main/activemq/wireformat/openwire/marshal/v5/ConsumerControlMarshaller.h File Reference 4376

7.298 src/main/activemq/wireformat/openwire/marshal/v6/ConsumerControlMarshaller.h File Reference 4377
7.299 src/main/activemq/wireformat/openwire/marshal/v1/ConsumerIdMarshaller.h File Reference 4378
7.300 src/main/activemq/wireformat/openwire/marshal/v2/ConsumerIdMarshaller.h File Reference 4379
7.301 src/main/activemq/wireformat/openwire/marshal/v3/ConsumerIdMarshaller.h File Reference 4379
7.302 src/main/activemq/wireformat/openwire/marshal/v4/ConsumerIdMarshaller.h File Reference 4380
7.303 src/main/activemq/wireformat/openwire/marshal/v5/ConsumerIdMarshaller.h File Reference 4381
7.304 src/main/activemq/wireformat/openwire/marshal/v6/ConsumerIdMarshaller.h File Reference 4382
7.305 src/main/activemq/wireformat/openwire/marshal/v1/ConsumerInfoMarshaller.h File Reference 4382
7.306 src/main/activemq/wireformat/openwire/marshal/v2/ConsumerInfoMarshaller.h File Reference 4383
7.307 src/main/activemq/wireformat/openwire/marshal/v3/ConsumerInfoMarshaller.h File Reference 4384
7.308 src/main/activemq/wireformat/openwire/marshal/v4/ConsumerInfoMarshaller.h File Reference 4385
7.309 src/main/activemq/wireformat/openwire/marshal/v5/ConsumerInfoMarshaller.h File Reference 4385
7.310 src/main/activemq/wireformat/openwire/marshal/v6/ConsumerInfoMarshaller.h File Reference 4386
7.311 src/main/activemq/wireformat/openwire/marshal/v1/ControlCommandMarshaller.h File Reference 4387
7.312 src/main/activemq/wireformat/openwire/marshal/v2/ControlCommandMarshaller.h File Reference 4388
7.313 src/main/activemq/wireformat/openwire/marshal/v3/ControlCommandMarshaller.h File Reference 4388
7.314 src/main/activemq/wireformat/openwire/marshal/v4/ControlCommandMarshaller.h File Reference 4389
7.315 src/main/activemq/wireformat/openwire/marshal/v5/ControlCommandMarshaller.h File Reference 4390
7.316 src/main/activemq/wireformat/openwire/marshal/v6/ControlCommandMarshaller.h File Reference 4391
7.317 src/main/activemq/wireformat/openwire/marshal/v1/DataArrayResponseMarshaller.h File Reference 4391
7.318 src/main/activemq/wireformat/openwire/marshal/v2/DataArrayResponseMarshaller.h File Reference 4392
7.319 src/main/activemq/wireformat/openwire/marshal/v3/DataArrayResponseMarshaller.h File Reference 4393
7.320 src/main/activemq/wireformat/openwire/marshal/v4/DataArrayResponseMarshaller.h File Reference 4394
7.321 src/main/activemq/wireformat/openwire/marshal/v5/DataArrayResponseMarshaller.h File Reference 4394
7.322 src/main/activemq/wireformat/openwire/marshal/v6/DataArrayResponseMarshaller.h File Reference 4395

7.323 src/main/activemq/wireformat/openwire/marshal/v1/DataResponseMarshaller.h File Reference 4396
7.324 src/main/activemq/wireformat/openwire/marshal/v2/DataResponseMarshaller.h File Reference 4397
7.325 src/main/activemq/wireformat/openwire/marshal/v3/DataResponseMarshaller.h File Reference 4397
7.326 src/main/activemq/wireformat/openwire/marshal/v4/DataResponseMarshaller.h File Reference 4398
7.327 src/main/activemq/wireformat/openwire/marshal/v5/DataResponseMarshaller.h File Reference 4399
7.328 src/main/activemq/wireformat/openwire/marshal/v6/DataResponseMarshaller.h File Reference 4400
7.329 src/main/activemq/wireformat/openwire/marshal/v1/DestinationInfoMarshaller.h File Reference 4400
7.330 src/main/activemq/wireformat/openwire/marshal/v2/DestinationInfoMarshaller.h File Reference 4401
7.331 src/main/activemq/wireformat/openwire/marshal/v3/DestinationInfoMarshaller.h File Reference 4402
7.332 src/main/activemq/wireformat/openwire/marshal/v4/DestinationInfoMarshaller.h File Reference 4403
7.333 src/main/activemq/wireformat/openwire/marshal/v5/DestinationInfoMarshaller.h File Reference 4403
7.334 src/main/activemq/wireformat/openwire/marshal/v6/DestinationInfoMarshaller.h File Reference 4404
7.335 src/main/activemq/wireformat/openwire/marshal/v1/DiscoveryEventMarshaller.h File Reference 4405
7.336 src/main/activemq/wireformat/openwire/marshal/v2/DiscoveryEventMarshaller.h File Reference 4406
7.337 src/main/activemq/wireformat/openwire/marshal/v3/DiscoveryEventMarshaller.h File Reference 4406
7.338 src/main/activemq/wireformat/openwire/marshal/v4/DiscoveryEventMarshaller.h File Reference 4407
7.339 src/main/activemq/wireformat/openwire/marshal/v5/DiscoveryEventMarshaller.h File Reference 4408
7.340 src/main/activemq/wireformat/openwire/marshal/v6/DiscoveryEventMarshaller.h File Reference 4409
7.341 src/main/activemq/wireformat/openwire/marshal/v1/ExceptionResponseMarshaller.h File Reference 4409
7.342 src/main/activemq/wireformat/openwire/marshal/v2/ExceptionResponseMarshaller.h File Reference 4410
7.343 src/main/activemq/wireformat/openwire/marshal/v3/ExceptionResponseMarshaller.h File Reference 4411
7.344 src/main/activemq/wireformat/openwire/marshal/v4/ExceptionResponseMarshaller.h File Reference 4412
7.345 src/main/activemq/wireformat/openwire/marshal/v5/ExceptionResponseMarshaller.h File Reference 4412
7.346 src/main/activemq/wireformat/openwire/marshal/v6/ExceptionResponseMarshaller.h File Reference 4413
7.347 src/main/activemq/wireformat/openwire/marshal/v1/FlushCommandMarshaller.h File Reference 4414

7.348 src/main/activemq/wireformat/openwire/marshal/v2/FlushCommandMarshaller.h File Reference 4415
7.349 src/main/activemq/wireformat/openwire/marshal/v3/FlushCommandMarshaller.h File Reference 4415
7.350 src/main/activemq/wireformat/openwire/marshal/v4/FlushCommandMarshaller.h File Reference 4416
7.351 src/main/activemq/wireformat/openwire/marshal/v5/FlushCommandMarshaller.h File Reference 4417
7.352 src/main/activemq/wireformat/openwire/marshal/v6/FlushCommandMarshaller.h File Reference 4418
7.353 src/main/activemq/wireformat/openwire/marshal/v1/IntegerResponseMarshaller.h File Reference 4418
7.354 src/main/activemq/wireformat/openwire/marshal/v2/IntegerResponseMarshaller.h File Reference 4419
7.355 src/main/activemq/wireformat/openwire/marshal/v3/IntegerResponseMarshaller.h File Reference 4420
7.356 src/main/activemq/wireformat/openwire/marshal/v4/IntegerResponseMarshaller.h File Reference 4421
7.357 src/main/activemq/wireformat/openwire/marshal/v5/IntegerResponseMarshaller.h File Reference 4421
7.358 src/main/activemq/wireformat/openwire/marshal/v6/IntegerResponseMarshaller.h File Reference 4422
7.359 src/main/activemq/wireformat/openwire/marshal/v1/JournalQueueAckMarshaller.h File Reference 4423
7.360 src/main/activemq/wireformat/openwire/marshal/v2/JournalQueueAckMarshaller.h File Reference 4424
7.361 src/main/activemq/wireformat/openwire/marshal/v3/JournalQueueAckMarshaller.h File Reference 4424
7.362 src/main/activemq/wireformat/openwire/marshal/v4/JournalQueueAckMarshaller.h File Reference 4425
7.363 src/main/activemq/wireformat/openwire/marshal/v5/JournalQueueAckMarshaller.h File Reference 4426
7.364 src/main/activemq/wireformat/openwire/marshal/v6/JournalQueueAckMarshaller.h File Reference 4427
7.365 src/main/activemq/wireformat/openwire/marshal/v1/JournalTopicAckMarshaller.h File Reference 4427
7.366 src/main/activemq/wireformat/openwire/marshal/v2/JournalTopicAckMarshaller.h File Reference 4428
7.367 src/main/activemq/wireformat/openwire/marshal/v3/JournalTopicAckMarshaller.h File Reference 4429
7.368 src/main/activemq/wireformat/openwire/marshal/v4/JournalTopicAckMarshaller.h File Reference 4430
7.369 src/main/activemq/wireformat/openwire/marshal/v5/JournalTopicAckMarshaller.h File Reference 4430
7.370 src/main/activemq/wireformat/openwire/marshal/v6/JournalTopicAckMarshaller.h File Reference 4431
7.371 src/main/activemq/wireformat/openwire/marshal/v1/JournalTraceMarshaller.h File Reference 4432
7.372 src/main/activemq/wireformat/openwire/marshal/v2/JournalTraceMarshaller.h File Reference 4433

7.373 src/main/activemq/wireformat/openwire/marshal/v3/JournalTraceMarshaller.h File Reference 4433
7.374 src/main/activemq/wireformat/openwire/marshal/v4/JournalTraceMarshaller.h File Reference 4434
7.375 src/main/activemq/wireformat/openwire/marshal/v5/JournalTraceMarshaller.h File Reference 4435
7.376 src/main/activemq/wireformat/openwire/marshal/v6/JournalTraceMarshaller.h File Reference 4436
7.377 src/main/activemq/wireformat/openwire/marshal/v1/JournalTransactionMarshaller.h File Reference 4436
7.378 src/main/activemq/wireformat/openwire/marshal/v2/JournalTransactionMarshaller.h File Reference 4437
7.379 src/main/activemq/wireformat/openwire/marshal/v3/JournalTransactionMarshaller.h File Reference 4438
7.380 src/main/activemq/wireformat/openwire/marshal/v4/JournalTransactionMarshaller.h File Reference 4439
7.381 src/main/activemq/wireformat/openwire/marshal/v5/JournalTransactionMarshaller.h File Reference 4439
7.382 src/main/activemq/wireformat/openwire/marshal/v6/JournalTransactionMarshaller.h File Reference 4440
7.383 src/main/activemq/wireformat/openwire/marshal/v1/KeepAliveInfoMarshaller.h File Reference 4441
7.384 src/main/activemq/wireformat/openwire/marshal/v2/KeepAliveInfoMarshaller.h File Reference 4442
7.385 src/main/activemq/wireformat/openwire/marshal/v3/KeepAliveInfoMarshaller.h File Reference 4442
7.386 src/main/activemq/wireformat/openwire/marshal/v4/KeepAliveInfoMarshaller.h File Reference 4443
7.387 src/main/activemq/wireformat/openwire/marshal/v5/KeepAliveInfoMarshaller.h File Reference 4444
7.388 src/main/activemq/wireformat/openwire/marshal/v6/KeepAliveInfoMarshaller.h File Reference 4445
7.389 src/main/activemq/wireformat/openwire/marshal/v1/LastPartialCommandMarshaller.h File Reference 4445
7.390 src/main/activemq/wireformat/openwire/marshal/v2/LastPartialCommandMarshaller.h File Reference 4446
7.391 src/main/activemq/wireformat/openwire/marshal/v3/LastPartialCommandMarshaller.h File Reference 4447
7.392 src/main/activemq/wireformat/openwire/marshal/v4/LastPartialCommandMarshaller.h File Reference 4448
7.393 src/main/activemq/wireformat/openwire/marshal/v5/LastPartialCommandMarshaller.h File Reference 4448
7.394 src/main/activemq/wireformat/openwire/marshal/v6/LastPartialCommandMarshaller.h File Reference 4449
7.395 src/main/activemq/wireformat/openwire/marshal/v1/LocalTransactionIdMarshaller.h File Reference 4450
7.396 src/main/activemq/wireformat/openwire/marshal/v2/LocalTransactionIdMarshaller.h File Reference 4451
7.397 src/main/activemq/wireformat/openwire/marshal/v3/LocalTransactionIdMarshaller.h File Reference 4451

7.398 src/main/activemq/wireformat/openwire/marshal/v4/LocalTransactionIdMarshaller.h File Reference 4452
7.399 src/main/activemq/wireformat/openwire/marshal/v5/LocalTransactionIdMarshaller.h File Reference 4453
7.400 src/main/activemq/wireformat/openwire/marshal/v6/LocalTransactionIdMarshaller.h File Reference 4454
7.401 src/main/activemq/wireformat/openwire/marshal/v1/MarshallerFactory.h File Reference 4454
7.402 src/main/activemq/wireformat/openwire/marshal/v2/MarshallerFactory.h File Reference 4455
7.403 src/main/activemq/wireformat/openwire/marshal/v3/MarshallerFactory.h File Reference 4455
7.404 src/main/activemq/wireformat/openwire/marshal/v4/MarshallerFactory.h File Reference 4456
7.405 src/main/activemq/wireformat/openwire/marshal/v5/MarshallerFactory.h File Reference 4456
7.406 src/main/activemq/wireformat/openwire/marshal/v6/MarshallerFactory.h File Reference 4457
7.407 src/main/activemq/wireformat/openwire/marshal/v1/MessageAckMarshaller.h File Reference 4458
7.408 src/main/activemq/wireformat/openwire/marshal/v2/MessageAckMarshaller.h File Reference 4458
7.409 src/main/activemq/wireformat/openwire/marshal/v3/MessageAckMarshaller.h File Reference 4459
7.410 src/main/activemq/wireformat/openwire/marshal/v4/MessageAckMarshaller.h File Reference 4460
7.411 src/main/activemq/wireformat/openwire/marshal/v5/MessageAckMarshaller.h File Reference 4461
7.412 src/main/activemq/wireformat/openwire/marshal/v6/MessageAckMarshaller.h File Reference 4461
7.413 src/main/activemq/wireformat/openwire/marshal/v1/MessageDispatchMarshaller.h File Reference 4462
7.414 src/main/activemq/wireformat/openwire/marshal/v2/MessageDispatchMarshaller.h File Reference 4463
7.415 src/main/activemq/wireformat/openwire/marshal/v3/MessageDispatchMarshaller.h File Reference 4464
7.416 src/main/activemq/wireformat/openwire/marshal/v4/MessageDispatchMarshaller.h File Reference 4464
7.417 src/main/activemq/wireformat/openwire/marshal/v5/MessageDispatchMarshaller.h File Reference 4465
7.418 src/main/activemq/wireformat/openwire/marshal/v6/MessageDispatchMarshaller.h File Reference 4466
7.419 src/main/activemq/wireformat/openwire/marshal/v1/MessageDispatchNotificationMarshaller.h File Reference 4467
7.420 src/main/activemq/wireformat/openwire/marshal/v2/MessageDispatchNotificationMarshaller.h File Reference 4467
7.421 src/main/activemq/wireformat/openwire/marshal/v3/MessageDispatchNotificationMarshaller.h File Reference 4468
7.422 src/main/activemq/wireformat/openwire/marshal/v4/MessageDispatchNotificationMarshaller.h File Reference 4469

7.423 src/main/activemq/wireformat/openwire/marshal/v5/MessageDispatchNotificationMarshaller.h File Reference 4470
7.424 src/main/activemq/wireformat/openwire/marshal/v6/MessageDispatchNotificationMarshaller.h File Reference 4470
7.425 src/main/activemq/wireformat/openwire/marshal/v1/MessageIdMarshaller.h File Reference 4471
7.426 src/main/activemq/wireformat/openwire/marshal/v2/MessageIdMarshaller.h File Reference 4472
7.427 src/main/activemq/wireformat/openwire/marshal/v3/MessageIdMarshaller.h File Reference 4473
7.428 src/main/activemq/wireformat/openwire/marshal/v4/MessageIdMarshaller.h File Reference 4473
7.429 src/main/activemq/wireformat/openwire/marshal/v5/MessageIdMarshaller.h File Reference 4474
7.430 src/main/activemq/wireformat/openwire/marshal/v6/MessageIdMarshaller.h File Reference 4475
7.431 src/main/activemq/wireformat/openwire/marshal/v1/MessageMarshaller.h File Reference 4476
7.432 src/main/activemq/wireformat/openwire/marshal/v2/MessageMarshaller.h File Reference 4476
7.433 src/main/activemq/wireformat/openwire/marshal/v3/MessageMarshaller.h File Reference 4477
7.434 src/main/activemq/wireformat/openwire/marshal/v4/MessageMarshaller.h File Reference 4478
7.435 src/main/activemq/wireformat/openwire/marshal/v5/MessageMarshaller.h File Reference 4479
7.436 src/main/activemq/wireformat/openwire/marshal/v6/MessageMarshaller.h File Reference 4479
7.437 src/main/activemq/wireformat/openwire/marshal/v1/MessagePullMarshaller.h File Reference 4480
7.438 src/main/activemq/wireformat/openwire/marshal/v2/MessagePullMarshaller.h File Reference 4481
7.439 src/main/activemq/wireformat/openwire/marshal/v3/MessagePullMarshaller.h File Reference 4482
7.440 src/main/activemq/wireformat/openwire/marshal/v4/MessagePullMarshaller.h File Reference 4482
7.441 src/main/activemq/wireformat/openwire/marshal/v5/MessagePullMarshaller.h File Reference 4483
7.442 src/main/activemq/wireformat/openwire/marshal/v6/MessagePullMarshaller.h File Reference 4484
7.443 src/main/activemq/wireformat/openwire/marshal/v1/NetworkBridgeFilterMarshaller.h File Reference 4485
7.444 src/main/activemq/wireformat/openwire/marshal/v2/NetworkBridgeFilterMarshaller.h File Reference 4485
7.445 src/main/activemq/wireformat/openwire/marshal/v3/NetworkBridgeFilterMarshaller.h File Reference 4486
7.446 src/main/activemq/wireformat/openwire/marshal/v4/NetworkBridgeFilterMarshaller.h File Reference 4487
7.447 src/main/activemq/wireformat/openwire/marshal/v5/NetworkBridgeFilterMarshaller.h File Reference 4488

7.448 src/main/activemq/wireformat/openwire/marshal/v6/NetworkBridgeFilterMarshaller.h File Reference 4488
7.449 src/main/activemq/wireformat/openwire/marshal/v1/PartialCommandMarshaller.h File Reference 4489
7.450 src/main/activemq/wireformat/openwire/marshal/v2/PartialCommandMarshaller.h File Reference 4490
7.451 src/main/activemq/wireformat/openwire/marshal/v3/PartialCommandMarshaller.h File Reference 4491
7.452 src/main/activemq/wireformat/openwire/marshal/v4/PartialCommandMarshaller.h File Reference 4491
7.453 src/main/activemq/wireformat/openwire/marshal/v5/PartialCommandMarshaller.h File Reference 4492
7.454 src/main/activemq/wireformat/openwire/marshal/v6/PartialCommandMarshaller.h File Reference 4493
7.455 src/main/activemq/wireformat/openwire/marshal/v1/ProducerAckMarshaller.h File Reference 4494
7.456 src/main/activemq/wireformat/openwire/marshal/v2/ProducerAckMarshaller.h File Reference 4494
7.457 src/main/activemq/wireformat/openwire/marshal/v3/ProducerAckMarshaller.h File Reference 4495
7.458 src/main/activemq/wireformat/openwire/marshal/v4/ProducerAckMarshaller.h File Reference 4496
7.459 src/main/activemq/wireformat/openwire/marshal/v5/ProducerAckMarshaller.h File Reference 4497
7.460 src/main/activemq/wireformat/openwire/marshal/v6/ProducerAckMarshaller.h File Reference 4497
7.461 src/main/activemq/wireformat/openwire/marshal/v1/ProducerIdMarshaller.h File Reference 4498
7.462 src/main/activemq/wireformat/openwire/marshal/v2/ProducerIdMarshaller.h File Reference 4499
7.463 src/main/activemq/wireformat/openwire/marshal/v3/ProducerIdMarshaller.h File Reference 4500
7.464 src/main/activemq/wireformat/openwire/marshal/v4/ProducerIdMarshaller.h File Reference 4500
7.465 src/main/activemq/wireformat/openwire/marshal/v5/ProducerIdMarshaller.h File Reference 4501
7.466 src/main/activemq/wireformat/openwire/marshal/v6/ProducerIdMarshaller.h File Reference 4502
7.467 src/main/activemq/wireformat/openwire/marshal/v1/ProducerInfoMarshaller.h File Reference 4503
7.468 src/main/activemq/wireformat/openwire/marshal/v2/ProducerInfoMarshaller.h File Reference 4503
7.469 src/main/activemq/wireformat/openwire/marshal/v3/ProducerInfoMarshaller.h File Reference 4504
7.470 src/main/activemq/wireformat/openwire/marshal/v4/ProducerInfoMarshaller.h File Reference 4505
7.471 src/main/activemq/wireformat/openwire/marshal/v5/ProducerInfoMarshaller.h File Reference 4506
7.472 src/main/activemq/wireformat/openwire/marshal/v6/ProducerInfoMarshaller.h File Reference 4506

7.473 src/main/activemq/wireformat/openwire/marshal/v1/RemoveInfoMarshaller.h File Reference 4507
7.474 src/main/activemq/wireformat/openwire/marshal/v2/RemoveInfoMarshaller.h File Reference 4508
7.475 src/main/activemq/wireformat/openwire/marshal/v3/RemoveInfoMarshaller.h File Reference 4509
7.476 src/main/activemq/wireformat/openwire/marshal/v4/RemoveInfoMarshaller.h File Reference 4509
7.477 src/main/activemq/wireformat/openwire/marshal/v5/RemoveInfoMarshaller.h File Reference 4510
7.478 src/main/activemq/wireformat/openwire/marshal/v6/RemoveInfoMarshaller.h File Reference 4511
7.479 src/main/activemq/wireformat/openwire/marshal/v1/RemoveSubscriptionInfoMarshaller.h File Reference 4512
7.480 src/main/activemq/wireformat/openwire/marshal/v2/RemoveSubscriptionInfoMarshaller.h File Reference 4512
7.481 src/main/activemq/wireformat/openwire/marshal/v3/RemoveSubscriptionInfoMarshaller.h File Reference 4513
7.482 src/main/activemq/wireformat/openwire/marshal/v4/RemoveSubscriptionInfoMarshaller.h File Reference 4514
7.483 src/main/activemq/wireformat/openwire/marshal/v5/RemoveSubscriptionInfoMarshaller.h File Reference 4515
7.484 src/main/activemq/wireformat/openwire/marshal/v6/RemoveSubscriptionInfoMarshaller.h File Reference 4515
7.485 src/main/activemq/wireformat/openwire/marshal/v1/ReplayCommandMarshaller.h File Reference 4516
7.486 src/main/activemq/wireformat/openwire/marshal/v2/ReplayCommandMarshaller.h File Reference 4517
7.487 src/main/activemq/wireformat/openwire/marshal/v3/ReplayCommandMarshaller.h File Reference 4518
7.488 src/main/activemq/wireformat/openwire/marshal/v4/ReplayCommandMarshaller.h File Reference 4518
7.489 src/main/activemq/wireformat/openwire/marshal/v5/ReplayCommandMarshaller.h File Reference 4519
7.490 src/main/activemq/wireformat/openwire/marshal/v6/ReplayCommandMarshaller.h File Reference 4520
7.491 src/main/activemq/wireformat/openwire/marshal/v1/ResponseMarshaller.h File Reference 4521
7.492 src/main/activemq/wireformat/openwire/marshal/v2/ResponseMarshaller.h File Reference 4521
7.493 src/main/activemq/wireformat/openwire/marshal/v3/ResponseMarshaller.h File Reference 4522
7.494 src/main/activemq/wireformat/openwire/marshal/v4/ResponseMarshaller.h File Reference 4523
7.495 src/main/activemq/wireformat/openwire/marshal/v5/ResponseMarshaller.h File Reference 4524
7.496 src/main/activemq/wireformat/openwire/marshal/v6/ResponseMarshaller.h File Reference 4524
7.497 src/main/activemq/wireformat/openwire/marshal/v1/SessionIdMarshaller.h File Reference 4525

7.498 src/main/activemq/wireformat/openwire/marshal/v2/SessionIdMarshaller.h File Reference 4526
7.499 src/main/activemq/wireformat/openwire/marshal/v3/SessionIdMarshaller.h File Reference 4526
7.500 src/main/activemq/wireformat/openwire/marshal/v4/SessionIdMarshaller.h File Reference 4527
7.501 src/main/activemq/wireformat/openwire/marshal/v5/SessionIdMarshaller.h File Reference 4528
7.502 src/main/activemq/wireformat/openwire/marshal/v6/SessionIdMarshaller.h File Reference 4529
7.503 src/main/activemq/wireformat/openwire/marshal/v1/SessionInfoMarshaller.h File Reference 4529
7.504 src/main/activemq/wireformat/openwire/marshal/v2/SessionInfoMarshaller.h File Reference 4530
7.505 src/main/activemq/wireformat/openwire/marshal/v3/SessionInfoMarshaller.h File Reference 4531
7.506 src/main/activemq/wireformat/openwire/marshal/v4/SessionInfoMarshaller.h File Reference 4532
7.507 src/main/activemq/wireformat/openwire/marshal/v5/SessionInfoMarshaller.h File Reference 4532
7.508 src/main/activemq/wireformat/openwire/marshal/v6/SessionInfoMarshaller.h File Reference 4533
7.509 src/main/activemq/wireformat/openwire/marshal/v1/ShutdownInfoMarshaller.h File Reference 4534
7.510 src/main/activemq/wireformat/openwire/marshal/v2/ShutdownInfoMarshaller.h File Reference 4535
7.511 src/main/activemq/wireformat/openwire/marshal/v3/ShutdownInfoMarshaller.h File Reference 4535
7.512 src/main/activemq/wireformat/openwire/marshal/v4/ShutdownInfoMarshaller.h File Reference 4536
7.513 src/main/activemq/wireformat/openwire/marshal/v5/ShutdownInfoMarshaller.h File Reference 4537
7.514 src/main/activemq/wireformat/openwire/marshal/v6/ShutdownInfoMarshaller.h File Reference 4538
7.515 src/main/activemq/wireformat/openwire/marshal/v1/SubscriptionInfoMarshaller.h File Reference 4538
7.516 src/main/activemq/wireformat/openwire/marshal/v2/SubscriptionInfoMarshaller.h File Reference 4539
7.517 src/main/activemq/wireformat/openwire/marshal/v3/SubscriptionInfoMarshaller.h File Reference 4540
7.518 src/main/activemq/wireformat/openwire/marshal/v4/SubscriptionInfoMarshaller.h File Reference 4541
7.519 src/main/activemq/wireformat/openwire/marshal/v5/SubscriptionInfoMarshaller.h File Reference 4541
7.520 src/main/activemq/wireformat/openwire/marshal/v6/SubscriptionInfoMarshaller.h File Reference 4542
7.521 src/main/activemq/wireformat/openwire/marshal/v1/TransactionIdMarshaller.h File Reference 4543
7.522 src/main/activemq/wireformat/openwire/marshal/v2/TransactionIdMarshaller.h File Reference 4544

7.523 src/main/activemq/wireformat/openwire/marshal/v3/TransactionIdMarshaller.h File Reference 4544
7.524 src/main/activemq/wireformat/openwire/marshal/v4/TransactionIdMarshaller.h File Reference 4545
7.525 src/main/activemq/wireformat/openwire/marshal/v5/TransactionIdMarshaller.h File Reference 4546
7.526 src/main/activemq/wireformat/openwire/marshal/v6/TransactionIdMarshaller.h File Reference 4547
7.527 src/main/activemq/wireformat/openwire/marshal/v1/TransactionInfoMarshaller.h File Reference 4547
7.528 src/main/activemq/wireformat/openwire/marshal/v2/TransactionInfoMarshaller.h File Reference 4548
7.529 src/main/activemq/wireformat/openwire/marshal/v3/TransactionInfoMarshaller.h File Reference 4549
7.530 src/main/activemq/wireformat/openwire/marshal/v4/TransactionInfoMarshaller.h File Reference 4550
7.531 src/main/activemq/wireformat/openwire/marshal/v5/TransactionInfoMarshaller.h File Reference 4550
7.532 src/main/activemq/wireformat/openwire/marshal/v6/TransactionInfoMarshaller.h File Reference 4551
7.533 src/main/activemq/wireformat/openwire/marshal/v1/WireFormatInfoMarshaller.h File Reference 4552
7.534 src/main/activemq/wireformat/openwire/marshal/v2/WireFormatInfoMarshaller.h File Reference 4553
7.535 src/main/activemq/wireformat/openwire/marshal/v3/WireFormatInfoMarshaller.h File Reference 4553
7.536 src/main/activemq/wireformat/openwire/marshal/v4/WireFormatInfoMarshaller.h File Reference 4554
7.537 src/main/activemq/wireformat/openwire/marshal/v5/WireFormatInfoMarshaller.h File Reference 4555
7.538 src/main/activemq/wireformat/openwire/marshal/v6/WireFormatInfoMarshaller.h File Reference 4556
7.539 src/main/activemq/wireformat/openwire/marshal/v1/XATransactionIdMarshaller.h File Reference 4556
7.540 src/main/activemq/wireformat/openwire/marshal/v2/XATransactionIdMarshaller.h File Reference 4557
7.541 src/main/activemq/wireformat/openwire/marshal/v3/XATransactionIdMarshaller.h File Reference 4558
7.542 src/main/activemq/wireformat/openwire/marshal/v4/XATransactionIdMarshaller.h File Reference 4559
7.543 src/main/activemq/wireformat/openwire/marshal/v5/XATransactionIdMarshaller.h File Reference 4559
7.544 src/main/activemq/wireformat/openwire/marshal/v6/XATransactionIdMarshaller.h File Reference 4560
7.545 src/main/activemq/wireformat/openwire/OpenWireFormat.h File Reference 4561
7.546 src/main/activemq/wireformat/openwire/OpenWireFormatFactory.h File Reference 4562
7.547 src/main/activemq/wireformat/openwire/OpenWireFormatNegotiator.h File Reference 4562

7.548 src/main/activemq/wireformat/openwire/OpenWireResponseBuilder.h File Reference 4563
7.549 src/main/activemq/wireformat/openwire/utils/BooleanStream.h File Reference 4564
7.550 src/main/activemq/wireformat/openwire/utils/HexTable.h File Reference 4564
7.551 src/main/activemq/wireformat/openwire/utils/MessagePropertyInterceptor.h File Reference 4565
7.552 src/main/activemq/wireformat/stomp/StompCommandConstants.h File Reference 4565
7.553 src/main/activemq/wireformat/stomp/StompFrame.h File Reference . 4566
7.554 src/main/activemq/wireformat/stomp/StompHelper.h File Reference . 4567
7.555 src/main/activemq/wireformat/stomp/StompWireFormat.h File Reference 4567
7.556 src/main/activemq/wireformat/stomp/StompWireFormatFactory.h File Reference 4568
7.557 src/main/activemq/wireformat/WireFormat.h File Reference 4569
7.558 src/main/activemq/wireformat/WireFormatFactory.h File Reference . 4569
7.559 src/main/activemq/wireformat/WireFormatNegotiator.h File Reference 4570
7.560 src/main/activemq/wireformat/WireFormatRegistry.h File Reference . 4570
7.561 src/main/cms/BytesMessage.h File Reference 4571
7.562 src/main/cms/Closeable.h File Reference 4572
7.563 src/main/decaf/io/Closeable.h File Reference 4572
7.564 src/main/cms/CMSException.h File Reference 4573
7.565 src/main/cms/CMSProperties.h File Reference 4573
7.566 src/main/cms/CMSSecurityException.h File Reference 4574
7.567 src/main/cms/Connection.h File Reference 4574
7.568 src/main/cms/ConnectionFactory.h File Reference 4575
7.569 src/main/cms/ConnectionMetaData.h File Reference 4575
7.570 src/main/cms/DeliveryMode.h File Reference 4576
7.571 src/main/cms/Destination.h File Reference 4576
7.572 src/main/cms/ExceptionListener.h File Reference 4576
7.573 src/main/cms/IllegalStateException.h File Reference 4577
7.574 src/main/decaf/lang/exceptions/IllegalStateException.h File Reference 4577
7.575 src/main/cms/InvalidClientIdException.h File Reference 4578
7.576 src/main/cms/InvalidDestinationException.h File Reference 4578
7.577 src/main/cms/InvalidSelectorException.h File Reference 4579
7.578 src/main/cms/MapMessage.h File Reference 4579
7.579 src/main/cms/MessageConsumer.h File Reference 4580
7.580 src/main/cms/MessageEnumeration.h File Reference 4580
7.581 src/main/cms/MessageEOFException.h File Reference 4581
7.582 src/main/cms/MessageFormatException.h File Reference 4581
7.583 src/main/cms/MessageListener.h File Reference 4582
7.584 src/main/cms/MessageNotReadableException.h File Reference 4582
7.585 src/main/cms/MessageNotWriteableException.h File Reference . . . 4583
7.586 src/main/cms/MessageProducer.h File Reference 4583
7.587 src/main/cms/ObjectMessage.h File Reference 4584
7.588 src/main/cms/Queue.h File Reference 4584
7.589 src/main/decaf/util/Queue.h File Reference 4585
7.590 src/main/cms/QueueBrowser.h File Reference 4585
7.591 src/main/cms/Session.h File Reference 4586

7.592 src/main/cms/Startable.h File Reference 4587
7.593 src/main/cms/Stoppable.h File Reference 4587
7.594 src/main/cms/StreamMessage.h File Reference 4587
7.595 src/main/cms/TemporaryQueue.h File Reference 4588
7.596 src/main/cms/TemporaryTopic.h File Reference 4588
7.597 src/main/cms/TextMessage.h File Reference 4589
7.598 src/main/cms/Topic.h File Reference 4589
7.599 src/main/cms/UnsupportedOperationException.h File Reference . . . 4590
7.600 src/main/decaf/lang/exceptions/UnsupportedOperationException.h File Reference 4590
7.601 src/main/decaf/internal/AprPool.h File Reference 4591
7.602 src/main/decaf/internal/DecafRuntime.h File Reference 4591
7.603 src/main/decaf/internal/io/StandardErrorOutputStream.h File Reference 4592
7.604 src/main/decaf/internal/io/StandardInputStream.h File Reference . . . 4592
7.605 src/main/decaf/internal/io/StandardOutputStream.h File Reference . . 4593
7.606 src/main/decaf/internal/net/DefaultServerSocketFactory.h File Reference 4593
7.607 src/main/decaf/internal/net/DefaultSocketFactory.h File Reference . . 4594
7.608 src/main/decaf/internal/net/Network.h File Reference 4594
7.609 src/main/decaf/internal/net/SocketFileDescriptor.h File Reference . . 4595
7.610 src/main/decaf/internal/net/ssl/DefaultSSLContext.h File Reference . 4595
7.611 src/main/decaf/internal/net/ssl/DefaultSSLServerSocketFactory.h File Reference 4596
7.612 src/main/decaf/internal/net/ssl/DefaultSSLSocketFactory.h File Reference 4597
7.613 src/main/decaf/internal/net/ssl/openssl/OpenSSLContextSpi.h File Reference 4597
7.614 src/main/decaf/internal/net/ssl/openssl/OpenSSLParameters.h File Reference 4598
7.615 src/main/decaf/internal/net/ssl/openssl/OpenSSLServerSocket.h File Reference 4598
7.616 src/main/decaf/internal/net/ssl/openssl/OpenSSLServerSocketFactory.h File Reference 4599
7.617 src/main/decaf/internal/net/ssl/openssl/OpenSSLSocket.h File Reference 4600
7.618 src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketException.h File Reference 4600
7.619 src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketFactory.h File Reference 4601
7.620 src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketInputStream.h File Reference 4601
7.621 src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketOutputStream.h File Reference 4602
7.622 src/main/decaf/internal/net/tcp/TcpSocket.h File Reference 4603
7.623 src/main/decaf/internal/net/tcp/TcpSocketInputStream.h File Reference 4603
7.624 src/main/decaf/internal/net/tcp/TcpSocketOutputStream.h File Reference 4604
7.625 src/main/decaf/internal/net/URIEncoderDecoder.h File Reference . . 4604
7.626 src/main/decaf/internal/net/URIHelper.h File Reference 4605
7.627 src/main/decaf/internal/net/URIType.h File Reference 4605
7.628 src/main/decaf/internal/nio/BufferFactory.h File Reference 4606
7.629 src/main/decaf/internal/nio/ByteArrayBuffer.h File Reference 4607
7.630 src/main/decaf/internal/nio/CharArrayBuffer.h File Reference 4607

7.631 src/main/decaf/internal/nio/DoubleArrayBuffer.h File Reference . . . 4608
7.632 src/main/decaf/internal/nio/FloatArrayBuffer.h File Reference 4609
7.633 src/main/decaf/internal/nio/IntArrayBuffer.h File Reference 4609
7.634 src/main/decaf/internal/nio/LongArrayBuffer.h File Reference 4610
7.635 src/main/decaf/internal/nio/ShortArrayBuffer.h File Reference 4610
7.636 src/main/decaf/internal/security/unix/SecureRandomImpl.h File Reference 4611
7.637 src/main/decaf/internal/security/windows/SecureRandomImpl.h File Reference 4612
7.638 src/main/decaf/internal/util/ByteArrayAdapter.h File Reference 4612
7.639 src/main/decaf/internal/util/concurrent/ConditionImpl.h File Reference 4613
7.640 src/main/decaf/internal/util/concurrent/MutexImpl.h File Reference . 4613
7.641 src/main/decaf/internal/util/concurrent/SynchronizableImpl.h File Reference 4614
7.642 src/main/decaf/internal/util/concurrent/Transferer.h File Reference . . 4614
7.643 src/main/decaf/internal/util/concurrent/TransferQueue.h File Reference 4615
7.644 src/main/decaf/internal/util/concurrent/TransferStack.h File Reference 4616
7.645 src/main/decaf/internal/util/concurrent/unix/ConditionHandle.h File Reference 4616
7.646 src/main/decaf/internal/util/concurrent/windows/ConditionHandle.h File Reference 4617
7.647 src/main/decaf/internal/util/concurrent/unix/MutexHandle.h File Reference 4617
7.648 src/main/decaf/internal/util/concurrent/windows/MutexHandle.h File Reference 4617
7.649 src/main/decaf/internal/util/GenericResource.h File Reference 4618
7.650 src/main/decaf/internal/util/HexStringParser.h File Reference 4618
7.651 src/main/decaf/internal/util/Resource.h File Reference 4619
7.652 src/main/decaf/internal/util/TimerTaskHeap.h File Reference 4619
7.653 src/main/decaf/internal/util/zip/crc32.h File Reference 4620
7.653.1 Variable Documentation 4620
7.653.1.1 crc_table 4620
7.654 src/main/decaf/internal/util/zip/deflate.h File Reference 4620
7.654.1 Define Documentation 4621
7.654.1.1 _tr_tally_dist 4621
7.654.1.2 _tr_tally_lit 4622
7.654.1.3 BL_CODES 4623
7.654.1.4 BUSY_STATE 4623
7.654.1.5 Code 4623
7.654.1.6 COMMENT_STATE 4623
7.654.1.7 d_code 4623
7.654.1.8 D_CODES 4623
7.654.1.9 Dad 4623
7.654.1.10 EXTRA_STATE 4623
7.654.1.11 FINISH_STATE 4623
7.654.1.12 Freq 4623
7.654.1.13 GZIP 4623
7.654.1.14 HCRC_STATE 4623
7.654.1.15 HEAP_SIZE 4623
7.654.1.16 INIT_STATE 4623

7.654.1.17 L_CODES 4623
7.654.1.18 Len 4623
7.654.1.19 LENGTH_CODES 4623
7.654.1.20 LITERALS 4623
7.654.1.21 MAX_BITS 4623
7.654.1.22 MAX_DIST 4623
7.654.1.23 max_insert_length 4623
7.654.1.24 MIN_LOOKAHEAD 4623
7.654.1.25 NAME_STATE 4623
7.654.1.26 put_byte 4623
7.654.1.27 WIN_INIT 4623
7.654.2 Typedef Documentation 4623
7.654.2.1 ct_data 4623
7.654.2.2 deflate_state 4623
7.654.2.3 IPos 4623
7.654.2.4 Pos 4623
7.654.2.5 Posf 4623
7.654.2.6 static_tree_desc 4623
7.654.2.7 tree_desc 4623
7.654.3 Function Documentation 4623
7.654.3.1 OF 4623
7.654.3.2 OF 4623
7.654.3.3 OF 4623
7.654.4 Variable Documentation 4623
7.654.4.1 _dist_code 4623
7.654.4.2 _length_code 4623
7.655 src/main/decaf/internal/util/zip/gzguts.h File Reference 4623
7.655.1 Define Documentation 4625
7.655.1.1 COPY 4625
7.655.1.2 GT_OFF 4625
7.655.1.3 GZ_APPEND 4625
7.655.1.4 GZ_NONE 4625
7.655.1.5 GZ_READ 4625
7.655.1.6 GZ_WRITE 4625
7.655.1.7 GZBUFSIZE 4625
7.655.1.8 GZIP 4625
7.655.1.9 local 4625
7.655.1.10 LOOK 4625
7.655.1.11 ZLIB_INTERNAL 4625
7.655.1.12 zstrerror 4625
7.655.2 Typedef Documentation 4625
7.655.2.1 gz_statep 4625
7.655.3 Function Documentation 4625
7.655.3.1 OF 4625
7.655.3.2 OF 4625
7.655.3.3 OF 4625
7.655.3.4 OF 4625
7.655.3.5 OF 4625
7.655.3.6 OF 4625
7.655.3.7 OF 4625

7.656 src/main/decaf/internal/util/zip/inffast.h File Reference 4625
7.656.1 Function Documentation 4626
7.656.1.1 OF 4626
7.657 src/main/decaf/internal/util/zip/inffixed.h File Reference 4626
7.658 src/main/decaf/internal/util/zip/inflate.h File Reference 4626
7.658.1 Define Documentation 4626
7.658.1.1 GUNZIP 4626
7.658.2 Enumeration Type Documentation 4626
7.658.2.1 inflate_mode 4626
7.659 src/main/decaf/internal/util/zip/inftrees.h File Reference 4627
7.659.1 Define Documentation 4628
7.659.1.1 ENOUGH 4628
7.659.1.2 ENOUGH_DISTS 4628
7.659.1.3 ENOUGH_LENS 4628
7.659.2 Enumeration Type Documentation 4628
7.659.2.1 codetype 4628
7.659.3 Function Documentation 4628
7.659.3.1 OF 4628
7.660 src/main/decaf/internal/util/zip/trees.h File Reference 4628
7.660.1 Variable Documentation 4629
7.660.1.1 _dist_code 4629
7.660.1.2 _length_code 4629
7.660.1.3 base_dist 4630
7.660.1.4 base_length 4630
7.660.1.5 static_dtree 4630
7.660.1.6 static_ltree 4630
7.661 src/main/decaf/internal/util/zip/zconf.h File Reference 4630
7.661.1 Define Documentation 4632
7.661.1.1 const 4632
7.661.1.2 FAR 4632
7.661.1.3 MAX_MEM_LEVEL 4632
7.661.1.4 MAX_WBITS 4632
7.661.1.5 OF 4632
7.661.1.6 SEEK_CUR 4632
7.661.1.7 SEEK_END 4632
7.661.1.8 SEEK_SET 4632
7.661.1.9 z_off64_t 4632
7.661.1.10 z_off_t 4632
7.661.1.11 ZEXPORT 4632
7.661.1.12 ZEXPORTVA 4632
7.661.1.13 ZEXTERN 4632
7.661.2 Typedef Documentation 4632
7.661.2.1 Byte 4632
7.661.2.2 Bytef 4632
7.661.2.3 charf 4632
7.661.2.4 intf 4632
7.661.2.5 uInt 4632
7.661.2.6 uIntf 4632
7.661.2.7 uLong 4632
7.661.2.8 uLongf 4632

7.661.2.9 voidp 4632
7.661.2.10 voidpc 4632
7.661.2.11 voidpf 4632
7.662 src/main/decaf/internal/util/zip/zlib.h File Reference 4632
7.662.1 Define Documentation 4635
7.662.1.1 deflateInit 4635
7.662.1.2 deflateInit2 4635
7.662.1.3 inflateBackInit 4635
7.662.1.4 inflateInit 4636
7.662.1.5 inflateInit2 4636
7.662.1.6 Z_ASCII 4636
7.662.1.7 Z_BEST_COMPRESSION 4636
7.662.1.8 Z_BEST_SPEED 4636
7.662.1.9 Z_BINARY 4636
7.662.1.10 Z_BLOCK 4636
7.662.1.11 Z_BUF_ERROR 4636
7.662.1.12 Z_DATA_ERROR 4636
7.662.1.13 Z_DEFAULT_COMPRESSION 4636
7.662.1.14 Z_DEFAULT_STRATEGY 4636
7.662.1.15 Z_DEFLATED 4636
7.662.1.16 Z_ERRNO 4636
7.662.1.17 Z_FILTERED 4636
7.662.1.18 Z_FINISH 4636
7.662.1.19 Z_FIXED 4636
7.662.1.20 Z_FULL_FLUSH 4636
7.662.1.21 Z_HUFFMAN_ONLY 4636
7.662.1.22 Z_MEM_ERROR 4636
7.662.1.23 Z_NEED_DICT 4636
7.662.1.24 Z_NO_COMPRESSION 4636
7.662.1.25 Z_NO_FLUSH 4636
7.662.1.26 Z_NULL 4636
7.662.1.27 Z_OK 4636
7.662.1.28 Z_PARTIAL_FLUSH 4636
7.662.1.29 Z_RLE 4636
7.662.1.30 Z_STREAM_END 4636
7.662.1.31 Z_STREAM_ERROR 4636
7.662.1.32 Z_SYNC_FLUSH 4636
7.662.1.33 Z_TEXT 4636
7.662.1.34 Z_TREES 4636
7.662.1.35 Z_UNKNOWN 4636
7.662.1.36 Z_VERSION_ERROR 4636
7.662.1.37 ZLIB_VER_MAJOR 4636
7.662.1.38 ZLIB_VER_MINOR 4636
7.662.1.39 ZLIB_VER_REVISION 4636
7.662.1.40 ZLIB_VER_SUBREVISION 4636
7.662.1.41 ZLIB_VERNUM 4636
7.662.1.42 zlib_version 4636
7.662.1.43 ZLIB_VERSION 4636
7.662.2 Typedef Documentation 4636
7.662.2.1 gz_header 4636

7.662.2.2 gz_headerp 4636
7.662.2.3 gzFile 4636
7.662.2.4 OF 4636
7.662.2.5 z_stream 4636
7.662.2.6 z_streamp 4636
7.662.3 Function Documentation 4636
7.662.3.1 OF 4636
7.662.3.2 OF 4636
7.662.3.3 OF 4636
7.662.3.4 OF 4636
7.662.3.5 OF 4636
7.662.3.6 OF 4636
7.662.3.7 OF 4636
7.662.3.8 OF 4636
7.662.3.9 OF 4636
7.662.3.10 OF 4636
7.662.3.11 OF 4636
7.662.3.12 OF 4636
7.662.3.13 OF 4636
7.662.3.14 OF 4636
7.662.3.15 OF 4636
7.662.3.16 OF 4636
7.662.3.17 OF 4636
7.662.3.18 OF 4636
7.662.3.19 OF 4636
7.662.3.20 OF 4636
7.662.3.21 OF 4636
7.662.3.22 OF 4636
7.662.3.23 OF 4636
7.662.3.24 OF 4636
7.662.3.25 OF 4636
7.662.3.26 OF 4636
7.662.3.27 OF 4636
7.662.3.28 OF 4636
7.662.3.29 OF 4636
7.662.3.30 OF 4636
7.662.3.31 OF 4636
7.662.3.32 OF 4636
7.662.3.33 OF 4636
7.662.3.34 OF 4636
7.662.3.35 OF 4636
7.662.3.36 OF 4636
7.662.3.37 OF 4636
7.662.3.38 OF 4636
7.662.3.39 OF 4636
7.662.3.40 OF 4636
7.662.3.41 OF 4636
7.662.3.42 OF 4636
7.663 src/main/decaf/internal/util/zip/zutil.h File Reference 4636
7.663.1 Define Documentation 4639

7.663.1.1 Assert 4639
7.663.1.2 DEF_MEM_LEVEL 4639
7.663.1.3 DEF_WBITS 4639
7.663.1.4 DYN_TREES 4639
7.663.1.5 ERR_MSG 4639
7.663.1.6 ERR_RETURN 4639
7.663.1.7 F_OPEN 4639
7.663.1.8 local 4639
7.663.1.9 MAX_MATCH 4639
7.663.1.10 MIN_MATCH 4639
7.663.1.11 OS_CODE 4639
7.663.1.12 PRESET_DICT 4639
7.663.1.13 STATIC_TREES 4639
7.663.1.14 STORED_BLOCK 4639
7.663.1.15 Trace 4639
7.663.1.16 Tracec 4639
7.663.1.17 Tracecv 4639
7.663.1.18 Tracev 4639
7.663.1.19 Tracevv 4639
7.663.1.20 TRY_FREE 4639
7.663.1.21 ZALLOC 4639
7.663.1.22 ZFREE 4639
7.663.1.23 ZLIB_INTERNAL 4639
7.663.2 Typedef Documentation 4639
7.663.2.1 uch 4639
7.663.2.2 uchf 4639
7.663.2.3 ulg 4639
7.663.2.4 ush 4639
7.663.2.5 ushf 4639
7.663.3 Function Documentation 4639
7.663.3.1 OF 4639
7.663.3.2 OF 4639
7.663.3.3 OF 4639
7.663.3.4 OF 4639
7.663.3.5 OF 4639
7.663.3.6 OF 4639
7.663.4 Variable Documentation 4639
7.663.4.1 z_errmsg 4639
7.664 src/main/decaf/io/BlockingByteArrayInputStream.h File Reference . . 4639
7.665 src/main/decaf/io/BufferedInputStream.h File Reference 4640
7.666 src/main/decaf/io/BufferedOutputStream.h File Reference 4640
7.667 src/main/decaf/io/ByteArrayInputStream.h File Reference 4641
7.668 src/main/decaf/io/ByteArrayOutputStream.h File Reference 4641
7.669 src/main/decaf/io/DataInput.h File Reference 4642
7.670 src/main/decaf/io/DataInputStream.h File Reference 4642
7.671 src/main/decaf/io/DataOutput.h File Reference 4643
7.672 src/main/decaf/io/DataOutputStream.h File Reference 4644
7.673 src/main/decaf/io/EOFException.h File Reference 4644
7.674 src/main/decaf/io/FileDescriptor.h File Reference 4645
7.675 src/main/decaf/io/FilterInputStream.h File Reference 4645

7.676 src/main/decaf/io/FilterOutputStream.h File Reference 4646
7.677 src/main/decaf/io/Flushable.h File Reference 4646
7.678 src/main/decaf/io/InputStream.h File Reference 4647
7.679 src/main/decaf/io/InputStreamReader.h File Reference 4647
7.680 src/main/decaf/io/InterruptedIOException.h File Reference 4648
7.681 src/main/decaf/io/IOException.h File Reference 4648
7.682 src/main/decaf/io/OutputStream.h File Reference 4649
7.683 src/main/decaf/io/OutputStreamWriter.h File Reference 4649
7.684 src/main/decaf/io/PushbackInputStream.h File Reference 4650
7.685 src/main/decaf/io/Reader.h File Reference 4650
7.686 src/main/decaf/io/UnsupportedEncodingException.h File Reference . 4651
7.687 src/main/decaf/io/UTFDataFormatException.h File Reference 4651
7.688 src/main/decaf/io/Writer.h File Reference 4652
7.689 src/main/decaf/lang/Appendable.h File Reference 4652
7.690 src/main/decaf/lang/ArrayPointer.h File Reference 4653
7.691 src/main/decaf/lang/Boolean.h File Reference 4654
7.692 src/main/decaf/lang/Byte.h File Reference 4654
7.693 src/main/decaf/lang/Character.h File Reference 4655
7.694 src/main/decaf/lang/CharSequence.h File Reference 4655
7.695 src/main/decaf/lang/Comparable.h File Reference 4656
7.696 src/main/decaf/lang/Double.h File Reference 4656
7.697 src/main/decaf/lang/Exception.h File Reference 4657
7.698 src/main/decaf/lang/exceptions/ClassCastException.h File Reference . 4657
7.699 src/main/decaf/lang/exceptions/IllegalArgumentException.h File Reference 4658
7.700 src/main/decaf/lang/exceptions/IllegalMonitorStateException.h File Reference 4658
7.701 src/main/decaf/lang/exceptions/IllegalThreadStateException.h File Reference 4659
7.702 src/main/decaf/lang/exceptions/IndexOutOfBoundsException.h File Reference 4659
7.703 src/main/decaf/lang/exceptions/InterruptedException.h File Reference 4659
7.704 src/main/decaf/lang/exceptions/InvalidStateException.h File Reference 4660
7.705 src/main/decaf/lang/exceptions/NoSuchElementException.h File Reference 4660
7.706 src/main/decaf/lang/exceptions/NullPointerException.h File Reference 4661
7.707 src/main/decaf/lang/exceptions/NumberFormatException.h File Reference 4661
7.708 src/main/decaf/lang/exceptions/RuntimeException.h File Reference . 4662
7.709 src/main/decaf/lang/Float.h File Reference 4662
7.710 src/main/decaf/lang/Integer.h File Reference 4663
7.711 src/main/decaf/lang/Iterable.h File Reference 4663
7.712 src/main/decaf/lang/Long.h File Reference 4664
7.713 src/main/decaf/lang/Math.h File Reference 4664
7.714 src/main/decaf/lang/Number.h File Reference 4664
7.715 src/main/decaf/lang/Pointer.h File Reference 4665
7.716 src/main/decaf/lang/Readable.h File Reference 4666
7.717 src/main/decaf/lang/Runnable.h File Reference 4667
7.718 src/main/decaf/lang/Runtime.h File Reference 4667
7.719 src/main/decaf/lang/Short.h File Reference 4667

7.720 src/main/decaf/lang/String.h File Reference 4668
7.721 src/main/decaf/lang/System.h File Reference 4668
7.722 src/main/decaf/lang/Thread.h File Reference 4669
7.723 src/main/decaf/lang/ThreadGroup.h File Reference 4670
7.724 src/main/decaf/lang/Throwable.h File Reference 4670
7.725 src/main/decaf/net/BindException.h File Reference 4671
7.726 src/main/decaf/net/ConnectException.h File Reference 4671
7.727 src/main/decaf/net/HttpRetryException.h File Reference 4672
7.728 src/main/decaf/net/Inet4Address.h File Reference 4672
7.729 src/main/decaf/net/Inet6Address.h File Reference 4672
7.730 src/main/decaf/net/InetAddress.h File Reference 4673
7.731 src/main/decaf/net/InetSocketAddress.h File Reference 4673
7.732 src/main/decaf/net/MalformedURLException.h File Reference 4674
7.733 src/main/decaf/net/NoRouteToHostException.h File Reference 4674
7.734 src/main/decaf/net/PortUnreachableException.h File Reference 4674
7.735 src/main/decaf/net/ProtocolException.h File Reference 4675
7.736 src/main/decaf/net/ServerSocket.h File Reference 4675
7.737 src/main/decaf/net/ServerSocketFactory.h File Reference 4676
7.738 src/main/decaf/net/Socket.h File Reference 4676
7.739 src/main/decaf/net/SocketAddress.h File Reference 4677
7.740 src/main/decaf/net/SocketError.h File Reference 4678
7.741 src/main/decaf/net/SocketException.h File Reference 4678
7.742 src/main/decaf/net/SocketFactory.h File Reference 4678
7.743 src/main/decaf/net/SocketImpl.h File Reference 4679
7.744 src/main/decaf/net/SocketImplFactory.h File Reference 4680
7.745 src/main/decaf/net/SocketOptions.h File Reference 4680
7.746 src/main/decaf/net/SocketTimeoutException.h File Reference 4680
7.747 src/main/decaf/net/ssl/SSLContext.h File Reference 4681
7.748 src/main/decaf/net/ssl/SSLContextSpi.h File Reference 4681
7.749 src/main/decaf/net/ssl/SSLParameters.h File Reference 4682
7.750 src/main/decaf/net/ssl/SSLServerSocket.h File Reference 4682
7.751 src/main/decaf/net/ssl/SSLServerSocketFactory.h File Reference . . . 4683
7.752 src/main/decaf/net/ssl/SSLSocket.h File Reference 4683
7.753 src/main/decaf/net/ssl/SSLSocketFactory.h File Reference 4684
7.754 src/main/decaf/net/UnknownHostException.h File Reference 4684
7.755 src/main/decaf/net/UnknownServiceException.h File Reference . . . 4685
7.756 src/main/decaf/net/URI.h File Reference 4685
7.757 src/main/decaf/net/URISyntaxException.h File Reference 4686
7.758 src/main/decaf/net/URL.h File Reference 4686
7.759 src/main/decaf/net/URLDecoder.h File Reference 4687
7.760 src/main/decaf/net/URLEncoder.h File Reference 4687
7.761 src/main/decaf/nio/Buffer.h File Reference 4687
7.762 src/main/decaf/nio/BufferOverflowException.h File Reference 4688
7.763 src/main/decaf/nio/BufferUnderflowException.h File Reference . . . 4688
7.764 src/main/decaf/nio/ByteBuffer.h File Reference 4689
7.765 src/main/decaf/nio/CharBuffer.h File Reference 4689
7.766 src/main/decaf/nio/DoubleBuffer.h File Reference 4690
7.767 src/main/decaf/nio/FloatBuffer.h File Reference 4691
7.768 src/main/decaf/nio/IntBuffer.h File Reference 4691
7.769 src/main/decaf/nio/InvalidMarkException.h File Reference 4692

7.770 src/main/decaf/nio/LongBuffer.h File Reference 4692
7.771 src/main/decaf/nio/ReadOnlyBufferException.h File Reference 4693
7.772 src/main/decaf/nio/ShortBuffer.h File Reference 4693
7.773 src/main/decaf/security/auth/x500/X500Principal.h File Reference . . 4694
7.774 src/main/decaf/security/cert/Certificate.h File Reference 4694
7.775 src/main/decaf/security/cert/CertificateEncodingException.h File Reference 4695
7.776 src/main/decaf/security/cert/CertificateException.h File Reference . . 4696
7.777 src/main/decaf/security/cert/CertificateExpiredException.h File Reference 4696
7.778 src/main/decaf/security/cert/CertificateNotYetValidException.h File Reference 4697
7.779 src/main/decaf/security/cert/CertificateParsingException.h File Reference 4697
7.780 src/main/decaf/security/cert/X509Certificate.h File Reference 4698
7.781 src/main/decaf/security/GeneralSecurityException.h File Reference . 4698
7.782 src/main/decaf/security/InvalidKeyException.h File Reference 4698
7.783 src/main/decaf/security/Key.h File Reference 4699
7.784 src/main/decaf/security/KeyException.h File Reference 4699
7.785 src/main/decaf/security/KeyManagementException.h File Reference . 4700
7.786 src/main/decaf/security/NoSuchAlgorithmException.h File Reference 4700
7.787 src/main/decaf/security/NoSuchProviderException.h File Reference . 4701
7.788 src/main/decaf/security/Principal.h File Reference 4701
7.789 src/main/decaf/security/PublicKey.h File Reference 4701
7.790 src/main/decaf/security/SecureRandom.h File Reference 4702
7.791 src/main/decaf/security/SecureRandomSpi.h File Reference 4702
7.792 src/main/decaf/security/SignatureException.h File Reference 4703
7.793 src/main/decaf/util/AbstractCollection.h File Reference 4703
7.794 src/main/decaf/util/AbstractList.h File Reference 4704
7.795 src/main/decaf/util/AbstractMap.h File Reference 4705
7.796 src/main/decaf/util/AbstractQueue.h File Reference 4705
7.797 src/main/decaf/util/AbstractSequentialList.h File Reference 4706
7.798 src/main/decaf/util/AbstractSet.h File Reference 4707
7.799 src/main/decaf/util/Collection.h File Reference 4707
7.800 src/main/decaf/util/Comparator.h File Reference 4708
7.801 src/main/decaf/util/comparators/Less.h File Reference 4708
7.802 src/main/decaf/util/concurrent/atomic/AtomicBoolean.h File Reference 4709
7.803 src/main/decaf/util/concurrent/atomic/AtomicInteger.h File Reference 4709
7.804 src/main/decaf/util/concurrent/atomic/AtomicRefCounter.h File Reference 4710
7.805 src/main/decaf/util/concurrent/atomic/AtomicReference.h File Reference 4710
7.806 src/main/decaf/util/concurrent/BlockingQueue.h File Reference . . . 4711
7.807 src/main/decaf/util/concurrent/BrokenBarrierException.h File Reference 4712
7.808 src/main/decaf/util/concurrent/Callable.h File Reference 4712
7.809 src/main/decaf/util/concurrent/CancellationException.h File Reference 4712
7.810 src/main/decaf/util/concurrent/Concurrent.h File Reference 4713
7.810.1 Define Documentation 4713
7.810.1.1 synchronized 4713
7.810.1.2 WAIT_INFINITE 4714
7.811 src/main/decaf/util/concurrent/ConcurrentMap.h File Reference . . . 4714

7.812 src/main/decaf/util/concurrent/ConcurrentStlMap.h File Reference . . 4715
7.813 src/main/decaf/util/concurrent/CountDownLatch.h File Reference . . 4715
7.814 src/main/decaf/util/concurrent/Delayed.h File Reference 4716
7.815 src/main/decaf/util/concurrent/ExecutionException.h File Reference . 4716
7.816 src/main/decaf/util/concurrent/Executor.h File Reference 4717
7.817 src/main/decaf/util/concurrent/ExecutorService.h File Reference . . . 4717
7.818 src/main/decaf/util/concurrent/Future.h File Reference 4718
7.819 src/main/decaf/util/concurrent/Lock.h File Reference 4718
7.820 src/main/decaf/util/concurrent/locks/Lock.h File Reference 4719
7.821 src/main/decaf/util/concurrent/locks/Condition.h File Reference . . . 4719
7.822 src/main/decaf/util/concurrent/locks/LockSupport.h File Reference . . 4720
7.823 src/main/decaf/util/concurrent/locks/ReadWriteLock.h File Reference 4721
7.824 src/main/decaf/util/concurrent/locks/ReentrantLock.h File Reference . 4721
7.825 src/main/decaf/util/concurrent/Mutex.h File Reference 4722
7.826 src/main/decaf/util/concurrent/PooledThread.h File Reference 4722
7.827 src/main/decaf/util/concurrent/PooledThreadListener.h File Reference 4723
7.828 src/main/decaf/util/concurrent/RejectedExecutionException.h File Reference 4723
7.829 src/main/decaf/util/concurrent/RejectedExecutionHandler.h File Reference 4724
7.830 src/main/decaf/util/concurrent/Semaphore.h File Reference 4724
7.831 src/main/decaf/util/concurrent/Synchronizable.h File Reference 4725
7.832 src/main/decaf/util/concurrent/SynchronousQueue.h File Reference . 4725
7.833 src/main/decaf/util/concurrent/TaskListener.h File Reference 4726
7.834 src/main/decaf/util/concurrent/ThreadFactory.h File Reference 4726
7.835 src/main/decaf/util/concurrent/ThreadPool.h File Reference 4727
7.836 src/main/decaf/util/concurrent/TimeoutException.h File Reference . . 4728
7.837 src/main/decaf/util/concurrent/TimeUnit.h File Reference 4728
7.838 src/main/decaf/util/Date.h File Reference 4729
7.839 src/main/decaf/util/Iterator.h File Reference 4729
7.840 src/main/decaf/util/List.h File Reference 4730
7.841 src/main/decaf/util/ListIterator.h File Reference 4730
7.842 src/main/decaf/util/logging/ConsoleHandler.h File Reference 4731
7.843 src/main/decaf/util/logging/ErrorManager.h File Reference 4731
7.844 src/main/decaf/util/logging/Filter.h File Reference 4732
7.845 src/main/decaf/util/logging/Formatter.h File Reference 4732
7.846 src/main/decaf/util/logging/Handler.h File Reference 4733
7.847 src/main/decaf/util/logging/Level.h File Reference 4734
7.848 src/main/decaf/util/logging/Logger.h File Reference 4734
7.849 src/main/decaf/util/logging/LoggerCommon.h File Reference 4735
7.850 src/main/decaf/util/logging/LoggerDefines.h File Reference 4735
7.850.1 Define Documentation 4736
7.850.1.1 LOGDECAF_DEBUG 4736
7.850.1.2 LOGDECAF_DEBUG_1 4736
7.850.1.3 LOGDECAF_DECLARE 4737
7.850.1.4 LOGDECAF_DECLARE_LOCAL 4737
7.850.1.5 LOGDECAF_ERROR 4737
7.850.1.6 LOGDECAF_FATAL 4737
7.850.1.7 LOGDECAF_INFO 4737
7.850.1.8 LOGDECAF_INITIALIZE 4737

7.850.1.9 LOGDECAF_WARN 4737
7.851 src/main/decaf/util/logging/LoggerHierarchy.h File Reference 4737
7.852 src/main/decaf/util/logging/LogManager.h File Reference 4737
7.853 src/main/decaf/util/logging/LogRecord.h File Reference 4738
7.854 src/main/decaf/util/logging/LogWriter.h File Reference 4739
7.855 src/main/decaf/util/logging/MarkBlockLogger.h File Reference 4739
7.856 src/main/decaf/util/logging/PropertiesChangeListener.h File Reference 4740
7.857 src/main/decaf/util/logging/SimpleFormatter.h File Reference 4740
7.858 src/main/decaf/util/logging/SimpleLogger.h File Reference 4741
7.859 src/main/decaf/util/logging/StreamHandler.h File Reference 4741
7.860 src/main/decaf/util/logging/XMLFormatter.h File Reference 4742
7.861 src/main/decaf/util/Map.h File Reference 4742
7.862 src/main/decaf/util/PriorityQueue.h File Reference 4743
7.863 src/main/decaf/util/Properties.h File Reference 4743
7.864 src/main/decaf/util/Random.h File Reference 4744
7.865 src/main/decaf/util/Set.h File Reference 4745
7.866 src/main/decaf/util/StlList.h File Reference 4745
7.867 src/main/decaf/util/StlMap.h File Reference 4746
7.868 src/main/decaf/util/StlQueue.h File Reference 4747
7.869 src/main/decaf/util/StlSet.h File Reference 4747
7.870 src/main/decaf/util/StringTokenizer.h File Reference 4748
7.871 src/main/decaf/util/Timer.h File Reference 4748
7.872 src/main/decaf/util/TimerTask.h File Reference 4749
7.873 src/main/decaf/util/UUID.h File Reference 4750
7.874 src/main/decaf/util/zip/Adler32.h File Reference 4750
7.875 src/main/decaf/util/zip/CheckedInputStream.h File Reference 4751
7.876 src/main/decaf/util/zip/CheckedOutputStream.h File Reference 4751
7.877 src/main/decaf/util/zip/Checksum.h File Reference 4752
7.878 src/main/decaf/util/zip/CRC32.h File Reference 4752
7.879 src/main/decaf/util/zip/DataFormatException.h File Reference 4753
7.880 src/main/decaf/util/zip/Deflater.h File Reference 4753
7.881 src/main/decaf/util/zip/DeflaterOutputStream.h File Reference 4754
7.882 src/main/decaf/util/zip/Inflater.h File Reference 4754
7.883 src/main/decaf/util/zip/InflaterInputStream.h File Reference 4755
7.884 src/main/decaf/util/zip/ZipException.h File Reference 4756

Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all namespaces with brief descriptions:

activemq (Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements) . . . 93
activemq::cmsutil . . . 94
activemq::commands . . . 95
activemq::core . . . 96
activemq::core::policies . . . 98
activemq::exceptions . . . 98
activemq::io . . . 98
activemq::library . . . 98
activemq::state . . . 98
activemq::threads . . . 99
activemq::transport . . . 99
activemq::transport::correlator . . . 100
activemq::transport::failover . . . 100
activemq::transport::inactivity . . . 101
activemq::transport::logging . . . 101
activemq::transport::mock . . . 101
activemq::transport::tcp . . . 102
activemq::util . . . 102
activemq::wireformat . . . 103
activemq::wireformat::openwire . . . 103
activemq::wireformat::openwire::marshal . . . 104
activemq::wireformat::openwire::marshal::v1 . . . 104
activemq::wireformat::openwire::marshal::v2 . . . 109
activemq::wireformat::openwire::marshal::v3 . . . 113
activemq::wireformat::openwire::marshal::v4 . . . 117
activemq::wireformat::openwire::marshal::v5 . . . 121
activemq::wireformat::openwire::marshal::v6 . . . 126
activemq::wireformat::openwire::utils . . . 130

activemq::wireformat::stomp 130
cms (Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements) 131
decaf (Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements) 134
decaf::internal 135
decaf::internal::io 135
decaf::internal::net 135
decaf::internal::net::ssl 136
decaf::internal::net::ssl::openssl 136
decaf::internal::net::tcp 137
decaf::internal::nio 138
decaf::internal::security 138
decaf::internal::util 138
decaf::internal::util::concurrent 139
decaf::io 139
decaf::lang 141
decaf::lang::exceptions 144
decaf::net 145
decaf::net::ssl 146
decaf::nio 147
decaf::security 147
decaf::security::auth 148
decaf::security::auth::x500 148
decaf::security::cert 148
decaf::util 149
decaf::util::comparators 151
decaf::util::concurrent 151
decaf::util::concurrent::atomic 153
decaf::util::concurrent::locks 153
decaf::util::logging 154
decaf::util::zip 156
std 157

Chapter 2

Data Structure Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

activemq::core::ActiveMQAckHandler 183
activemq::core::ActiveMQConstants 297
activemq::library::ActiveMQCPP 310
activemq::core::ActiveMQTransactionContext 727
decaf::lang::Appendable 733
  decaf::io::Writer 4133
    decaf::io::OutputStreamWriter 2999
  decaf::nio::CharBuffer 1148
    decaf::internal::nio::CharArrayBuffer 1135
decaf::internal::AprPool 735
decaf::lang::ArrayPointer< T, REFCOUNTER > 736
decaf::util::concurrent::atomic::AtomicBoolean 745
decaf::util::concurrent::atomic::AtomicRefCounter 754
decaf::util::concurrent::atomic::AtomicReference< T > 756
binary_function 842
  decaf::util::Comparator< ArrayPointer< T, R > > 1251
    decaf::lang::ArrayPointerComparator< T, R > 744
  decaf::util::Comparator< E > 1251
    decaf::util::comparators::Less< E > 2399
  decaf::util::Comparator< Pointer< T, R > > 1251
    decaf::lang::PointerComparator< T, R > 3040
  decaf::util::Comparator< T > 1251
  std::less< decaf::lang::ArrayPointer< T > > 2401
  std::less< decaf::lang::Pointer< T > > 2402
activemq::wireformat::openwire::utils::BooleanStream 863
decaf::nio::Buffer 936
  decaf::nio::ByteBuffer 1049
    decaf::internal::nio::ByteArrayBuffer 1004

decaf::nio::CharBuffer 1148
decaf::nio::DoubleBuffer 1865
decaf::internal::nio::DoubleArrayBuffer 1853
decaf::nio::FloatBuffer 1985
decaf::internal::nio::FloatArrayBuffer 1974
decaf::nio::IntBuffer 2130
decaf::internal::nio::IntArrayBuffer 2119
decaf::nio::LongBuffer 2522
decaf::internal::nio::LongArrayBuffer 2511
decaf::nio::ShortBuffer 3560
decaf::internal::nio::ShortArrayBuffer 3548
decaf::internal::nio::BufferFactory 951
decaf::internal::util::ByteArrayAdapter 979
decaf::util::concurrent::Callable< V > 1108
decaf::security::cert::Certificate 1112
decaf::security::cert::X509Certificate 4141
decaf::lang::CharSequence 1167
decaf::lang::String 3775
decaf::nio::CharBuffer 1148
decaf::util::zip::Checksum 1174
decaf::util::zip::Adler32 730
decaf::util::zip::CRC32 1568
cms::Closeable 1179
activemq::commands::ActiveMQTempDestination 578
activemq::commands::ActiveMQTempQueue 606
activemq::commands::ActiveMQTempTopic 636
cms::Connection 1296
activemq::core::ActiveMQConnection 260
cms::MessageConsumer 2674
activemq::cmsutil::CachedConsumer 1097
activemq::core::ActiveMQConsumer 300
cms::MessageProducer 2809
activemq::cmsutil::CachedProducer 1101
activemq::core::ActiveMQProducer 466
cms::QueueBrowser 3243
activemq::core::ActiveMQQueueBrowser 483
cms::Session 3460
activemq::cmsutil::PooledSession 3041
activemq::core::ActiveMQSession 512
decaf::io::Closeable 1180
activemq::transport::Transport 3996
activemq::transport::CompositeTransport 1259
activemq::transport::failover::FailoverTransport 1930
activemq::transport::IOTransport 2213
activemq::transport::mock::MockTransport 2854
activemq::transport::TransportFilter 4004
activemq::transport::correlator::ResponseCorrelator 3384

activemq::transport::inactivity::InactivityMonitor 2065
activemq::transport::logging::LoggingTransport 2477
activemq::transport::tcp::TcpTransport 3865
activemq::transport::tcp::SslTransport 3682
activemq::wireformat::WireFormatNegotiator 4129
activemq::wireformat::openwire::OpenWireFormatNegotiator . 2985
decaf::io::InputStream 2105
decaf::internal::io::StandardInputStream 3688
decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream 2966
decaf::internal::net::tcp::TcpSocketInputStream 3860
decaf::io::BlockingByteArrayInputStream 845
decaf::io::ByteArrayInputStream 1038
decaf::io::FilterInputStream 1950
activemq::io::LoggingInputStream 2474
decaf::io::BufferedInputStream 943
decaf::io::DataInputStream 1612
decaf::io::PushbackInputStream 3231
decaf::util::zip::CheckedInputStream 1169
decaf::util::zip::InflaterInputStream 2097
decaf::io::OutputStream 2991
decaf::internal::io::StandardErrorOutputStream 3686
decaf::internal::io::StandardOutputStream 3689
decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream 2969
decaf::internal::net::tcp::TcpSocketOutputStream 3863
decaf::io::ByteArrayOutputStream 1046
decaf::io::FilterOutputStream 1957
activemq::io::LoggingOutputStream 2476
decaf::io::BufferedOutputStream 949
decaf::io::DataOutputStream 1628
decaf::util::zip::CheckedOutputStream 1172
decaf::util::zip::DeflaterOutputStream 1769
decaf::io::Reader 3254
decaf::io::InputStreamReader 2116
decaf::io::Writer 4133
decaf::net::Socket 3607
decaf::net::ssl::SSLSocket 3670
decaf::internal::net::ssl::openssl::OpenSSLSocket 2940
decaf::util::logging::Handler 2042
decaf::util::logging::StreamHandler 3756
decaf::util::logging::ConsoleHandler 1439
activemq::cmsutil::CmsAccessor 1183
activemq::cmsutil::CmsDestinationAccessor 1187
activemq::cmsutil::CmsTemplate 1201
cms::CMSException 1190
cms::CMSSecurityException 1199
cms::IllegalStateException 2059
cms::InvalidClientIdException 2199
cms::InvalidDestinationException 2200

cms::InvalidSelectorException 2206
cms::MessageEOFException 2747
cms::MessageFormatException 2749
cms::MessageNotReadableException 2807
cms::MessageNotWriteableException 2808
cms::UnsupportedOperationException 4030
activemq::util::CMSExceptionSupport 1194
cms::CMSProperties 1195
activemq::util::ActiveMQProperties 474
code 1215
activemq::state::CommandVisitor 1233
activemq::state::CommandVisitorAdapter 1242
activemq::state::ConnectionStateTracker 1432
decaf::lang::Comparable< T > 1248
decaf::lang::Comparable< bool > 1248
decaf::lang::Boolean 856
decaf::lang::Comparable< Boolean > 1248
decaf::lang::Boolean 856
decaf::lang::Comparable< BrokerId > 1248
activemq::commands::BrokerId 874
decaf::lang::Comparable< Byte > 1248
decaf::lang::Byte 969
decaf::lang::Comparable< ByteBuffer > 1248
decaf::nio::ByteBuffer 1049
decaf::lang::Comparable< char > 1248
decaf::lang::Character 1126
decaf::lang::Comparable< Character > 1248
decaf::lang::Character 1126
decaf::lang::Comparable< CharBuffer > 1248
decaf::nio::CharBuffer 1148
decaf::lang::Comparable< ConnectionId > 1248
activemq::commands::ConnectionId 1365
decaf::lang::Comparable< ConsumerId > 1248
activemq::commands::ConsumerId 1472
decaf::lang::Comparable< Date > 1248
decaf::util::Date 1719
decaf::lang::Comparable< Delayed > 1248
decaf::util::concurrent::Delayed 1774
decaf::lang::Comparable< Double > 1248
decaf::lang::Double 1841
decaf::lang::Comparable< double > 1248
decaf::lang::Double 1841
decaf::lang::Comparable< DoubleBuffer > 1248
decaf::nio::DoubleBuffer 1865

decaf::lang::Comparable< float > 1248
decaf::lang::Float 1961
decaf::lang::Comparable< Float > 1248
decaf::lang::Float 1961
decaf::lang::Comparable< FloatBuffer > 1248
decaf::nio::FloatBuffer 1985
decaf::lang::Comparable< int > 1248
decaf::lang::Integer 2143
decaf::lang::Comparable< IntBuffer > 1248
decaf::nio::IntBuffer 2130
decaf::lang::Comparable< Integer > 1248
decaf::lang::Integer 2143
decaf::lang::Comparable< Level > 1248
decaf::util::logging::Level 2403
decaf::lang::Comparable< LocalTransactionId > 1248
activemq::commands::LocalTransactionId 2420
decaf::lang::Comparable< Long > 1248
decaf::lang::Long 2495
decaf::lang::Comparable< long long > 1248
decaf::lang::Long 2495
decaf::lang::Comparable< LongBuffer > 1248
decaf::nio::LongBuffer 2522
decaf::lang::Comparable< MessageId > 1248
activemq::commands::MessageId 2750
decaf::lang::Comparable< ProducerId > 1248
activemq::commands::ProducerId 3157
decaf::lang::Comparable< SessionId > 1248
activemq::commands::SessionId 3476
decaf::lang::Comparable< Short > 1248
decaf::lang::Short 3538
decaf::lang::Comparable< short > 1248
decaf::lang::Short 3538
decaf::lang::Comparable< ShortBuffer > 1248
decaf::nio::ShortBuffer 3560
decaf::lang::Comparable< TimeUnit > 1248
decaf::util::concurrent::TimeUnit 3919
decaf::lang::Comparable< TransactionId > 1248
activemq::commands::TransactionId 3932
activemq::commands::LocalTransactionId 2420
activemq::commands::XATransactionId 4143
decaf::lang::Comparable< unsigned char > 1248
decaf::lang::Byte 969
decaf::lang::Comparable< URI > 1248

decaf::net::URI 4031
decaf::lang::Comparable< UUID > 1248
decaf::util::UUID 4080
decaf::lang::Comparable< XATransactionId > 1248
activemq::commands::XATransactionId 4143
activemq::util::CompositeData 1253
decaf::util::concurrent::locks::Condition 1282
decaf::util::concurrent::ConditionHandle 1290
decaf::internal::util::concurrent::ConditionImpl 1291
cms::ConnectionFactory 1361
activemq::core::ActiveMQConnectionFactory 281
cms::ConnectionMetaData 1425
activemq::core::ActiveMQConnectionMetaData 293
activemq::state::ConnectionState 1429
activemq::state::ConsumerState 1535
decaf::util::concurrent::CountDownLatch 1565
ct_data_s 1571
decaf::io::DataInput 1603
decaf::io::DataOutput 1622
activemq::wireformat::openwire::marshal::DataStreamMarshaller 1660
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller . . 814
activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller328
activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller491
activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller587
activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller615
activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller649
activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller710
activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller786
activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller919
activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller1315
activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller1349
activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller1412
activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller1459
activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller1522
activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller1552
activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller1797
activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller2019
activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller2359
activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller2665
activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller2707
activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller2737
activemq::wireformat::openwire::marshal::v1::MessageMarshaller 2798
activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller194
activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller239
activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller369
activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller397
activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller445
activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller557

activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller680
activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller2845
activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller3150
activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller3199
activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller3300
activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller3318
activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller3351
activemq::wireformat::openwire::marshal::v1::ResponseMarshaller 3408
activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller1587
activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller1656
activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller1919
activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller2180
activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller3517
activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller3584
activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller3968
activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller . . 886
activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller 1381
activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller 1489
activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller1831
activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller2248
activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller2277
activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller 2300
activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller2331
activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller . 2775
activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller2901
activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller3028
activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller2395
activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller . 3181
activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller . . 3501
activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller3791
activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller3939
activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller2446
activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller4160
activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller4121
activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller340
activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller504
activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller599
activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller628
activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller658
activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller722
activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller807
activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller932
activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller1328
activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller1336
activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller1400
activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller1447
activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller1510
activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller1539
activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller1784

activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller2006
activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller2342
activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller2653
activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller2690
activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller2725
activemq::wireformat::openwire::marshal::v2::MessageMarshaller 2789
activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller202
activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller256
activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller381
activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller410
activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller457
activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller570
activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller693
activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller2828
activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller3128
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller3194
activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller3288
activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller3326
activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller3355
activemq::wireformat::openwire::marshal::v2::ResponseMarshaller 3393
activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller1574
activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller1643
activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller1902
activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller2167
activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller3525
activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller3580
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller3985
activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller . . 898
activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller 1368
activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller 1477
activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller1819
activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller2232
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller2261
activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller 2283
activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller2315
activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller . 2755
activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller2881
activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller3010
activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller2382
activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller . 3161
activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller . . 3481
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller3807
activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller3943
activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller2429
activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller4151
activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller4113
activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller324
activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller487
activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller582

activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller611
activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller641
activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller701
activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller771
activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller910
activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller1307
activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller1340
activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller1404
activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller1451
activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller1514
activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller1544
activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller1789
activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller2010
activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller2347
activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller2657
activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller2695
activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller2729
activemq::wireformat::openwire::marshal::v3::MessageMarshaller 2785
activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller189
activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller235
activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller364
activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller393
activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller440
activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller553
activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller671
activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller2837
activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller3137
activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller3207
activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller3296
activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller3322
activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller3360
activemq::wireformat::openwire::marshal::v3::ResponseMarshaller 3403
activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller1579
activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller1647
activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller1906
activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller2171
activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller3521
activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller3593
activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller3972
activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller . . 878
activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller 1373
activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller 1481
activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller1823
activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller2240
activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller2265
activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller 2288
activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller2319
activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller . 2767
activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller2893

activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller3019
activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller2378
activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller . 3169
activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller . . 3497
activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller3786
activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller3947
activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller2433
activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller4164
activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller4125
activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller332
activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller495
activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller591
activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller619
activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller645
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller705
activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller778
activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller915
activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller1311
activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller1344
activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller1408
activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller1455
activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller1518
activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller1548
activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller1793
activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller2014
activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller2351
activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller2661
activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller2703
activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller2733
activemq::wireformat::openwire::marshal::v4::MessageMarshaller 2793
activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller198
activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller243
activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller373
activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller401
activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller449
activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller561
activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller676
activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller2841
activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller3133
activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller3190
activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller3309
activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller3339
activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller3347
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller 3388
activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller1583
activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller1652
activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller1915
activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller2175
activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller3530

activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller3597
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller3981
activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller . . 882
activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller 1377
activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller 1485
activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller1827
activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller2244
activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller2273
activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller 2296
activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller2327
activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller . 2759
activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller2897
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller3023
activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller2391
activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller . 3165
activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller . . 3485
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller3799
activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller3951
activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller2442
activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller4155
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller4117
activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller336
activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller499
activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller595
activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller624
activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller654
activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller714
activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller793
activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller923
activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller1319
activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller1353
activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller1417
activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller1464
activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller1527
activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller1556
activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller1806
activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller2023
activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller2355
activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller2670
activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller2699
activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller2742
activemq::wireformat::openwire::marshal::v5::MessageMarshaller 2780
activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller206
activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller247
activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller377
activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller405
activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller453
activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller566
activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller684

activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller2833
activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller3141
activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller3203
activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller3305
activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller3335
activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller3368
activemq::wireformat::openwire::marshal::v5::ResponseMarshaller 3398
activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller1592
activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller1635
activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller1910
activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller2184
activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller3513
activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller3589
activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller3964
activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller . . 890
activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller 1385
activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller 1493
activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller1835
activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller2236
activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller2256
activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller 2304
activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller2323
activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller . 2763
activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller2889
activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller3014
activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller2386
activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller . 3173
activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller . . 3493
activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller3795
activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller3935
activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller2437
activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller4168
activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller4104
activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller344
activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller508
activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller603
activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller632
activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller662
activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller718
activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller800
activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller927
activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller1324
activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller1357
activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller1421
activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller1468
activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller1531
activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller1561
activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller1801
activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller2002

activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller2338
activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller2648
activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller2712
activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller2720
activemq::wireformat::openwire::marshal::v6::MessageMarshaller 2802
activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller211
activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller252
activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller386
activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller414
activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller462
activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller574
activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller688
activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller2850
activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller3145
activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller3211
activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller3292
activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller3331
activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller3364
activemq::wireformat::openwire::marshal::v6::ResponseMarshaller 3413
activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller1596
activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller1639
activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller1898
activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller2162
activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller3508
activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller3576
activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller3977
activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller . . 894
activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller 1389
activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller 1497
activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller1815
activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller2228
activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller2269
activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller 2292
activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller2311
activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller . 2771
activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller2885
activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller3005
activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller2374
activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller . 3177
activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller . . 3489
activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller3803
activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller3955
activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller2425
activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller4147
activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller4109
decaf::internal::net::ssl::DefaultSSLContext 1743
decaf::util::zip::Deflater 1759
cms::DeliveryMode 1775
cms::Destination 1776

cms::Queue 3238
activemq::commands::ActiveMQQueue 479
cms::TemporaryQueue 3871
activemq::commands::ActiveMQTempQueue 606
cms::TemporaryTopic 3873
activemq::commands::ActiveMQTempTopic 636
cms::Topic 3930
activemq::commands::ActiveMQTopic 697
activemq::commands::ActiveMQDestination::DestinationFilter 1779
activemq::cmsutil::DestinationResolver 1810
activemq::cmsutil::DynamicDestinationResolver 1878
activemq::core::DispatchData 1839
activemq::core::Dispatcher 1840
activemq::core::ActiveMQConsumer 300
activemq::core::ActiveMQSession 512
decaf::lang::DYNAMIC_CAST_TOKEN 1878
decaf::util::Map< K, V, COMPARATOR >::Entry 1880
decaf::util::logging::ErrorManager 1884
cms::ExceptionListener 1893
decaf::util::concurrent::Executor 1926
decaf::util::concurrent::ExecutorService 1928
decaf::io::FileDescriptor 1947
decaf::internal::net::SocketFileDescriptor 3634
decaf::util::logging::Filter 1949
decaf::io::Flushable 1998
decaf::io::OutputStream 2991
decaf::io::Writer 4133
decaf::util::logging::Formatter 2027
decaf::util::logging::SimpleFormatter 3604
decaf::util::logging::XMLFormatter 4172
decaf::util::concurrent::Future< V > 2029
activemq::transport::correlator::FutureResponse 2032
gz_header_s 2038
gz_state 2039
decaf::internal::util::HexStringParser 2046
activemq::wireformat::openwire::utils::HexTable 2048
activemq::util::IdGenerator 2052
decaf::net::InetAddress 2077
decaf::net::Inet4Address 2072
decaf::net::Inet6Address 2076
inflate_state 2085
decaf::util::zip::Inflater 2088
internal_state 2188
decaf::lang::Iterable< E > 2220
decaf::util::Collection< E > 1216
decaf::util::AbstractCollection< E > 159
decaf::util::List< E > 2409

decaf::util::AbstractList< E > 173
decaf::util::AbstractSequentialList< E > 179
decaf::util::StlList< E > 3694
decaf::util::Queue< E > 3239
decaf::util::AbstractQueue< E > 175
decaf::util::concurrent::BlockingQueue< E > 848
decaf::util::concurrent::SynchronousQueue< E > 3827
decaf::util::PriorityQueue< E > 3116
decaf::util::Set< E > 3538
decaf::util::AbstractSet< E > 180
decaf::util::StlSet< E > 3731
decaf::lang::Iterable< PrimitiveValueNode > 2220
decaf::util::Collection< PrimitiveValueNode > 1216
decaf::util::AbstractCollection< PrimitiveValueNode > 159
decaf::util::List< PrimitiveValueNode > 2409
decaf::util::StlList< PrimitiveValueNode > 3694
activemq::util::PrimitiveList 3067
decaf::util::Iterator< T > 2222
decaf::util::Iterator< E > 2222
decaf::util::ListIterator< E > 2417
decaf::security::Key 2364
decaf::security::PublicKey 3231
decaf::util::concurrent::Lock 2450
decaf::util::concurrent::locks::Lock 2452
decaf::util::concurrent::locks::ReentrantLock 3273
decaf::util::concurrent::locks::LockSupport 2458
decaf::util::logging::Logger 2461
decaf::util::logging::LoggerHierarchy 2474
decaf::util::logging::LogManager 2480
decaf::util::logging::LogRecord 2487
decaf::util::logging::LogWriter 2493
activemq::util::LongSequenceGenerator 2535
decaf::util::logging::MarkBlockLogger 2563
activemq::wireformat::MarshalAware 2564
activemq::commands::DataStructure 1713
activemq::commands::BaseDataStructure 837
activemq::commands::ActiveMQDestination 312
activemq::commands::ActiveMQQueue 479
activemq::commands::ActiveMQTempDestination 578
activemq::commands::ActiveMQTopic 697
activemq::commands::BooleanExpression 861
activemq::commands::BrokerId 874
activemq::commands::Command 1227
activemq::commands::BaseCommand 764
activemq::commands::BrokerError 868
activemq::commands::BrokerInfo 902
activemq::commands::ConnectionControl 1301

activemq::commands::ConnectionError 1332
activemq::commands::ConnectionInfo 1393
activemq::commands::ConsumerControl 1441
activemq::commands::ConsumerInfo 1501
activemq::commands::ControlCommand 1536
activemq::commands::DestinationInfo 1779
activemq::commands::FlushCommand 1999
activemq::commands::KeepAliveInfo 2335
activemq::commands::Message 2596
activemq::commands::ActiveMQMessageTemplate< T > . 418
activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage > 418
activemq::commands::ActiveMQBytesMessage 215
activemq::commands::ActiveMQMessageTemplate< cms::MapMessage > 418
activemq::commands::ActiveMQMapMessage 350
activemq::commands::ActiveMQMessageTemplate< cms::Message > 418
activemq::commands::ActiveMQBlobMessage 184
activemq::commands::ActiveMQMessage 390
activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage > 418
activemq::commands::ActiveMQObjectMessage 438
activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage > 418
activemq::commands::ActiveMQStreamMessage 535
activemq::commands::ActiveMQMessageTemplate< cms::TextMessage > 418
activemq::commands::ActiveMQTextMessage 666
activemq::commands::MessageAck 2643
activemq::commands::MessageDispatch 2678
activemq::commands::MessageDispatchNotification 2716
activemq::commands::MessagePull 2824
activemq::commands::ProducerAck 3124
activemq::commands::ProducerInfo 3185
activemq::commands::RemoveInfo 3284
activemq::commands::RemoveSubscriptionInfo 3313
activemq::commands::ReplayCommand 3343
activemq::commands::Response 3379
activemq::commands::DataArrayResponse 1572
activemq::commands::DataResponse 1632
activemq::commands::ExceptionResponse 1894
activemq::commands::IntegerResponse 2160
activemq::state::Tracked 3931
activemq::commands::SessionInfo 3505
activemq::commands::ShutdownInfo 3573
activemq::commands::TransactionInfo 3959
activemq::commands::WireFormatInfo 4093
activemq::commands::ConnectionId 1365
activemq::commands::ConsumerId 1472

activemq::commands::DiscoveryEvent 1812
activemq::commands::JournalQueueAck 2224
activemq::commands::JournalTopicAck 2252
activemq::commands::JournalTrace 2281
activemq::commands::JournalTransaction 2308
activemq::commands::MessageId 2750
activemq::commands::NetworkBridgeFilter 2877
activemq::commands::PartialCommand 3002
activemq::commands::LastPartialCommand 2371
activemq::commands::ProducerId 3157
activemq::commands::SessionId 3476
activemq::commands::SubscriptionInfo 3782
activemq::commands::TransactionId 3932
activemq::wireformat::openwire::marshal::v6::MarshallerFactory 2567
activemq::wireformat::openwire::marshal::v3::MarshallerFactory 2567
activemq::wireformat::openwire::marshal::v4::MarshallerFactory 2568
activemq::wireformat::openwire::marshal::v5::MarshallerFactory 2569
activemq::wireformat::openwire::marshal::v1::MarshallerFactory 2570
activemq::wireformat::openwire::marshal::v2::MarshallerFactory 2570
activemq::util::MarshallingSupport 2571
decaf::lang::Math 2575
cms::Message 2614
activemq::commands::ActiveMQMessageTemplate< cms::Message > . . 418
cms::BytesMessage 1079
activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage > 418
cms::MapMessage 2551
activemq::commands::ActiveMQMessageTemplate< cms::MapMessage > 418
cms::ObjectMessage 2924
activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage > 418
cms::StreamMessage 3760
activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage > 418
cms::TextMessage 3874
activemq::commands::ActiveMQMessageTemplate< cms::TextMessage > 418
activemq::cmsutil::MessageCreator 2677
cms::MessageEnumeration 2746
activemq::core::ActiveMQQueueBrowser 483
cms::MessageListener 2779
activemq::wireformat::openwire::utils::MessagePropertyInterceptor 2817
decaf::util::concurrent::MutexHandle 2871
decaf::internal::util::concurrent::MutexImpl 2872
decaf::internal::net::Network 2874
decaf::lang::Number 2918
decaf::lang::Byte 969

decaf::lang::Character 1126
decaf::lang::Double 1841
decaf::lang::Float 1961
decaf::lang::Integer 2143
decaf::lang::Long 2495
decaf::lang::Short 3538
decaf::util::concurrent::atomic::AtomicInteger 748
decaf::internal::net::ssl::openssl::OpenSSLParameters 2927
decaf::lang::Pointer< T, REFCOUNTER > 3032
decaf::util::concurrent::PooledThreadListener 3058
decaf::util::concurrent::ThreadPool 3888
activemq::core::PrefetchPolicy 3062
activemq::core::policies::DefaultPrefetchPolicy 1726
activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller 3090
activemq::util::PrimitiveValueNode::PrimitiveValue 3097
activemq::util::PrimitiveValueConverter 3098
activemq::util::PrimitiveValueNode 3099
decaf::security::Principal 3114
decaf::security::auth::x500::X500Principal 4140
activemq::cmsutil::ProducerCallback 3154
activemq::cmsutil::CmsTemplate::SendExecutor 3445
activemq::state::ProducerState 3216
decaf::util::Properties 3216
decaf::util::logging::PropertiesChangeListener 3227
decaf::util::Random 3245
decaf::security::SecureRandom 3424
decaf::lang::Readable 3251
decaf::io::Reader 3254
decaf::util::concurrent::locks::ReadWriteLock 3263
activemq::core::RedeliveryPolicy 3267
activemq::core::policies::DefaultRedeliveryPolicy 1730
decaf::util::concurrent::RejectedExecutionHandler 3283
decaf::internal::util::Resource 3374
decaf::internal::util::GenericResource< T > 2037
decaf::internal::util::ResourceLifecycleManager 3375
activemq::cmsutil::ResourceLifecycleManager 3376
activemq::transport::mock::ResponseBuilder 3382
activemq::wireformat::openwire::OpenWireResponseBuilder 2989
decaf::lang::Runnable 3418
activemq::threads::CompositeTaskRunner 1256
activemq::threads::DedicatedTaskRunner 1724
activemq::transport::IOTransport 2213
decaf::lang::Thread 3876
activemq::transport::mock::InternalCommandListener 2192
decaf::util::concurrent::PooledThread 3056
decaf::util::TimerTask 3914

activemq::transport::inactivity::ReadChecker 3253
activemq::transport::inactivity::WriteChecker 4132
decaf::lang::Runtime 3419
decaf::internal::DecafRuntime 1723
decaf::security::SecureRandomSpi 3432
decaf::internal::security::SecureRandomImpl 3429
decaf::internal::security::SecureRandomImpl 3429
decaf::util::concurrent::Semaphore 3434
decaf::net::ServerSocket 3447
decaf::net::ssl::SSLServerSocket 3662
decaf::internal::net::ssl::openssl::OpenSSLServerSocket 2929
decaf::net::ServerSocketFactory 3457
decaf::internal::net::DefaultServerSocketFactory 1735
decaf::net::ssl::SSLServerSocketFactory 3668
decaf::internal::net::ssl::DefaultSSLServerSocketFactory 1744
decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory . . . 2935
activemq::cmsutil::SessionCallback 3475
activemq::cmsutil::CmsTemplate::ProducerExecutor 3155
activemq::cmsutil::CmsTemplate::ResolveProducerExecutor 3372
activemq::cmsutil::CmsTemplate::ReceiveExecutor 3265
activemq::cmsutil::CmsTemplate::ResolveReceiveExecutor 3373
activemq::cmsutil::SessionPool 3534
activemq::state::SessionState 3536
decaf::util::logging::SimpleLogger 3605
decaf::net::SocketAddress 3626
decaf::net::InetSocketAddress 2085
decaf::net::SocketError 3626
decaf::net::SocketFactory 3629
decaf::internal::net::DefaultSocketFactory 1738
decaf::net::ssl::SSLSocketFactory 3679
decaf::internal::net::ssl::DefaultSSLSocketFactory 1749
decaf::internal::net::ssl::openssl::OpenSSLSocketFactory 2959
decaf::net::SocketImplFactory 3644
decaf::net::SocketOptions 3645
decaf::net::SocketImpl 3635
decaf::internal::net::tcp::TcpSocket 3850
decaf::net::ssl::SSLContext 3653
decaf::net::ssl::SSLContextSpi 3655
decaf::internal::net::ssl::openssl::OpenSSLContextSpi 2924
decaf::net::ssl::SSLParameters 3658
activemq::commands::BrokerError::StackTraceElement 3685
cms::Startable 3691
cms::Connection 1296
decaf::lang::STATIC_CAST_TOKEN 3692
activemq::core::ActiveMQConstants::StaticInitializer 3693
activemq::wireformat::stomp::StompCommandConstants 3738

activemq::wireformat::stomp::StompFrame 3741
activemq::wireformat::stomp::StompHelper 3746
cms::Stoppable 3755
cms::Connection 1296
decaf::util::StringTokenizer 3779
decaf::util::concurrent::Synchronizable 3811
activemq::core::MessageDispatchChannel 2683
decaf::util::Collection< PrimitiveValueNode > 1216
decaf::internal::util::concurrent::SynchronizableImpl 3822
decaf::io::InputStream 2105
decaf::io::OutputStream 2991
decaf::util::Collection< E > 1216
decaf::util::concurrent::Mutex 2866
decaf::util::Map< K, V, COMPARATOR > 2538
decaf::util::AbstractMap< K, V, COMPARATOR > 174
decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR > . . 1260
decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR > 1265
decaf::util::StlMap< K, V, COMPARATOR > 3708
decaf::util::StlQueue< T > 3722
decaf::util::Map< std::string, PrimitiveValueNode, std::less< std::string > > 2538
decaf::util::StlMap< std::string, PrimitiveValueNode > 3708
activemq::util::PrimitiveMap 3079
activemq::core::Synchronization 3826
decaf::lang::System 3838
activemq::threads::Task 3846
activemq::core::ActiveMQSessionExecutor 532
activemq::threads::CompositeTask 1255
activemq::transport::failover::BackupTransportPool 761
activemq::transport::failover::CloseTransportsTask 1182
activemq::transport::failover::FailoverTransport 1930
activemq::threads::CompositeTaskRunner 1256
decaf::util::concurrent::TaskListener 3847
activemq::threads::TaskRunner 3849
activemq::threads::CompositeTaskRunner 1256
activemq::threads::DedicatedTaskRunner 1724
decaf::util::concurrent::ThreadFactory 3887
decaf::lang::ThreadGroup 3888
decaf::lang::Throwable 3895
decaf::lang::Exception 1886
activemq::exceptions::ActiveMQException 348
activemq::exceptions::BrokerException 873
decaf::io::IOException 2210
decaf::io::EOFException 1881
decaf::io::InterruptedIOException 2196
decaf::net::SocketTimeoutException 3650

decaf::io::UnsupportedEncodingException 4025
decaf::io::UTFDataFormatException 4078
decaf::net::HttpRetryException 2049
decaf::net::MalformedURLException 2536
decaf::net::ProtocolException 3228
decaf::net::SocketException 3627
decaf::internal::net::ssl::openssl::OpenSSLSocketException . . 2955
decaf::net::BindException 842
decaf::net::ConnectException 1293
decaf::net::NoRouteToHostException 2905
decaf::net::PortUnreachableException 3060
decaf::net::UnknownHostException 4019
decaf::net::UnknownServiceException 4022
decaf::util::zip::ZipException 4175
decaf::lang::exceptions::ClassCastException 1177
decaf::lang::exceptions::IllegalArgumentException 2054
decaf::lang::exceptions::IllegalMonitorStateException 2056
decaf::lang::exceptions::IllegalStateException 2060
decaf::nio::InvalidMarkException 2204
decaf::lang::exceptions::IllegalThreadStateException 2063
decaf::lang::exceptions::IndexOutOfBoundsException 2069
decaf::lang::exceptions::InterruptedException 2193
decaf::lang::exceptions::InvalidStateException 2207
decaf::lang::exceptions::NoSuchElementException 2910
decaf::lang::exceptions::NullPointerException 2915
decaf::lang::exceptions::NumberFormatException 2921
decaf::lang::exceptions::RuntimeException 3421
decaf::lang::exceptions::UnsupportedOperationException 4028
decaf::nio::ReadOnlyBufferException 3260
decaf::net::URISyntaxException 4060
decaf::nio::BufferOverflowException 964
decaf::nio::BufferUnderflowException 967
decaf::security::GeneralSecurityException 2034
decaf::security::cert::CertificateException 1118
decaf::security::cert::CertificateEncodingException 1116
decaf::security::cert::CertificateExpiredException 1120
decaf::security::cert::CertificateNotYetValidException 1122
decaf::security::cert::CertificateParsingException 1124
decaf::security::KeyException 2366
decaf::security::InvalidKeyException 2201
decaf::security::KeyManagementException 2368
decaf::security::NoSuchAlgorithmException 2907
decaf::security::NoSuchProviderException 2913
decaf::security::SignatureException 3601
decaf::util::concurrent::BrokenBarrierException 866
decaf::util::concurrent::CancellationException 1110
decaf::util::concurrent::ExecutionException 1923
decaf::util::concurrent::RejectedExecutionException 3280
decaf::util::concurrent::TimeoutException 3899

decaf::util::zip::DataFormatException 1600
decaf::util::Timer 3901
decaf::internal::util::TimerTaskHeap 3916
activemq::state::TransactionState 3989
decaf::internal::util::concurrent::Transferer< E > 3991
decaf::internal::util::concurrent::TransferQueue< E > 3992
decaf::internal::util::concurrent::TransferStack< E > 3994
activemq::transport::TransportFactory 4003
activemq::transport::AbstractTransportFactory 182
activemq::transport::failover::FailoverTransportFactory 1942
activemq::transport::mock::MockTransportFactory 2864
activemq::transport::tcp::TcpTransportFactory 3869
activemq::transport::tcp::SslTransportFactory 3684
activemq::transport::TransportListener 4013
activemq::core::ActiveMQConnection 260
activemq::transport::DefaultTransportListener 1757
activemq::transport::failover::BackupTransport 759
activemq::transport::mock::InternalCommandListener 2192
activemq::transport::failover::FailoverTransportListener 1945
activemq::transport::TransportFilter 4004
activemq::transport::TransportRegistry 4015
tree_desc_s 4018
decaf::lang::Thread::UncaughtExceptionHandler 4018
decaf::internal::net::URIEncoderDecoder 4044
decaf::internal::net::URIHelper 4047
activemq::transport::failover::URIPool 4054
activemq::util::URISupport 4057
decaf::internal::net::URIType 4063
decaf::net::URL 4072
decaf::net::URLDecoder 4074
decaf::net::URLEncoder 4074
activemq::util::Usage 4075
activemq::util::MemoryUsage 2592
activemq::wireformat::WireFormat 4088
activemq::wireformat::openwire::OpenWireFormat 2971
activemq::wireformat::stomp::StompWireFormat 3751
activemq::wireformat::WireFormatFactory 4092
activemq::wireformat::openwire::OpenWireFormatFactory 2984
activemq::wireformat::stomp::StompWireFormatFactory 3754
activemq::wireformat::WireFormatRegistry 4129
z_stream_s 4174

Chapter 3

Data Structure Index

3.1 Data Structures

Here are the data structures with brief descriptions:

decaf::util::AbstractCollection< **E** > (This class provides a skeletal implementation of the **Collection** (p. 1216) interface, to minimize the effort required to implement this interface) 159
decaf::util::AbstractList< **E** > (This class provides a skeletal implementation of the **List** (p. 2409) interface to minimize the effort required to implement this interface backed by a "random access" data store (such as an array)) 173
decaf::util::AbstractMap< **K, V, COMPARATOR** > (This class provides a skeletal implementation of the **Map** (p. 2538) interface, to minimize the effort required to implement this interface) 174
decaf::util::AbstractQueue< **E** > (This class provides skeletal implementations of some **Queue** (p. 3239) operations) 175
decaf::util::AbstractSequentialList< **E** > (This class provides a skeletal implementation of the **List** (p. 2409) interface to minimize the effort required to implement this interface backed by a "sequential access" data store (such as a linked list)) 179
decaf::util::AbstractSet< **E** > (This class provides a skeletal implementation of the **Set** (p. 3538) interface to minimize the effort required to implement this interface) 180
activemq::transport::AbstractTransportFactory (Abstract implementation of the **TransportFactory** (p. 4003) interface, providing the base functionality that's common to most of the **TransportFactory** (p. 4003) instances) 182
activemq::core::ActiveMQAckHandler (Interface class that is used to give CMS Messages an interface to Ack themselves with) 183
activemq::commands::ActiveMQBlobMessage 184
activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 189)) 189

activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 194)) 194
activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 198)) 198
activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 202)) 202
activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 206)) 206
activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 211)) 211
activemq::commands::ActiveMQBytesMessage 215
activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 235)) 235
activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 239)) 239
activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 243)) 243
activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 247)) 247
activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 252)) 252
activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 256)) 256
activemq::core::ActiveMQConnection (Concrete connection used for all connectors to the ActiveMQ broker) 260
activemq::core::ActiveMQConnectionFactory 281
activemq::core::ActiveMQConnectionMetaData (This class houses all the various settings and information that is used by an instance of an **ActiveMQConnection** (p. 260) class) 293
activemq::core::ActiveMQConstants (Class holding constant values for various ActiveMQ specific things Each constant is defined as an enumeration and has functions that convert back an forth between string and enum values) 297
activemq::core::ActiveMQConsumer 300
activemq::library::ActiveMQCPP 310
activemq::commands::ActiveMQDestination 312
activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller (Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 324)) 324

activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller (Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 328)) 328
activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller (Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 332)) 332
activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller (Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 336)) 336
activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller (Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 340)) 340
activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller (Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 344)) 344
activemq::exceptions::ActiveMQException 348
activemq::commands::ActiveMQMapMessage 350
activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 364)) 364
activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 369)) 369
activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 373)) 373
activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 377)) 377
activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 381)) 381
activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 386)) 386
activemq::commands::ActiveMQMessage 390
activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 393)) 393
activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 397)) 397
activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 401)) 401
activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 405)) 405

activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 410)) 410
activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 414)) 414
activemq::commands::ActiveMQMessageTemplate< T > 418
activemq::commands::ActiveMQObjectMessage 438
activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 440)) 440
activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 445)) 445
activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 449)) 449
activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 453)) 453
activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 457)) 457
activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 462)) 462
activemq::core::ActiveMQProducer 466
activemq::util::ActiveMQProperties (Implementation of the CMSProperties interface that delegates to a **decaf::util::Properties** (p. 3216) object) 474
activemq::commands::ActiveMQQueue 479
activemq::core::ActiveMQQueueBrowser 483
activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller (Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 487)) 487
activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller (Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 491)) 491
activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller (Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 495)) 495
activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller (Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 499)) 499
activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller (Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 504)) 504
activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller (Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 508)) 508

activemq::core::ActiveMQSession 512
activemq::core::ActiveMQSessionExecutor (Delegate dispatcher for a single session) 532
activemq::commands::ActiveMQStreamMessage 535
activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 553)) 553
activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 557)) 557
activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 561)) 561
activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 566)) 566
activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 570)) 570
activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 574)) 574
activemq::commands::ActiveMQTempDestination 578
activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 582)) 582
activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 587)) 587
activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 591)) 591
activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 595)) 595
activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 599)) 599
activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 603)) 603
activemq::commands::ActiveMQTempQueue 606
activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 611)) 611
activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 615)) 615

activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 619)) 619
activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 624)) 624
activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 628)) 628
activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 632)) 632
activemq::commands::ActiveMQTempTopic 636
activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 641)) 641
activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 645)) 645
activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 649)) 649
activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 654)) 654
activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 658)) 658
activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller (Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 662)) 662
activemq::commands::ActiveMQTextMessage 666
activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 671)) 671
activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 676)) 676
activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 680)) 680
activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 684)) 684
activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 688)) 688
activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller (Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 693)) 693

activemq::commands::ActiveMQTopic 697
activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller (Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 701)) 701
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller (Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 705)) 705
activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller (Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 710)) 710
activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller (Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 714)) 714
activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller (Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 718)) 718
activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller (Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 722)) 722
activemq::core::ActiveMQTransactionContext (Transaction Management class, hold messages that are to be redelivered upon a request to roll-back) 727
decaf::util::zip::Adler32 (Clas that can be used to compute an Adler-32 **Checksum** (p. 1174) for a data stream) 730
decaf::lang::Appendable (An object to which char sequences and values can be appended) 733
decaf::internal::AprPool (Wraps an APR pool object so that classes in decaf can create a static member for use in static methods where apr function calls that need a pool are made) 735
decaf::lang::ArrayPointer< **T, REFCOUNTER** > (Decaf's implementation of a Smart **Pointer** (p. 3032) that is a template on a Type and is **Thread** (p. 3876) Safe if the default Reference Counter is used) . 736
decaf::lang::ArrayPointerComparator< **T, R** > (This implementation of Comparator is designed to allows objects in a Collection to be sorted or tested for equality based on the value of the value of the actual pointer to the array being contained in this **ArrayPointer** (p. 736)) . 744
decaf::util::concurrent::atomic::AtomicBoolean (A boolean value that may be updated atomically) 745
decaf::util::concurrent::atomic::AtomicInteger (An int value that may be updated atomically) 748
decaf::util::concurrent::atomic::AtomicRefCounter 754
decaf::util::concurrent::atomic::AtomicReference< **T** > (An Pointer reference that may be updated atomically) 756
activemq::transport::failover::BackupTransport 759
activemq::transport::failover::BackupTransportPool 761
activemq::commands::BaseCommand 764
activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller (Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 771)) 771

activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller (Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 778)) 778
activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller (Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 786)) 786
activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller (Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 793)) 793
activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller (Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 800)) 800
activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller (Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 807)) 807
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller (Base class for all Marshallers that marshal DataStructures to and from the wire using the OpenWire protocol) 814
activemq::commands::BaseDataStructure 837
binary_function 842
decaf::net::BindException 842
decaf::io::BlockingByteArrayInputStream (This is a blocking version of a byte buffer stream) 845
decaf::util::concurrent::BlockingQueue< **E** > (A **decaf::util::Queue** (p. 3239) that additionally supports operations that wait for the queue to become non-empty when retrieving an element, and wait for space to become available in the queue when storing an element) 848
decaf::lang::Boolean 856
activemq::commands::BooleanExpression 861
activemq::wireformat::openwire::utils::BooleanStream (Manages the writing and reading of boolean data streams to and from a data source such as a DataInputStream or DataOutputStream) 863
decaf::util::concurrent::BrokenBarrierException 866
activemq::commands::BrokerError (This class represents an Exception sent from the Broker) 868
activemq::exceptions::BrokerException 873
activemq::commands::BrokerId 874
activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller (Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 878)) 878
activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller (Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 882)) 882
activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller (Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 886)) 886
activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller (Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 890)) 890

activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller (Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 894)) 894
activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller (Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 898)) 898
activemq::commands::BrokerInfo 902
activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller (Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 910)) 910
activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller (Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 915)) 915
activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller (Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 919)) 919
activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller (Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 923)) 923
activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller (Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 927)) 927
activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller (Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 932)) 932
decaf::nio::Buffer (A container for data of a specific primitive type) 936
decaf::io::BufferedInputStream (A wrapper around another input stream that performs a buffered read, where it reads more data than it needs in order to reduce the number of io operations on the input stream) . 943
decaf::io::BufferedOutputStream (Wrapper around another output stream that buffers output before writing to the target output stream) 949
decaf::internal::nio::BufferFactory (Factory class used by static methods in the **decaf::nio** (p. 147) package to create the various default version of the NIO interfaces) 951
decaf::nio::BufferOverflowException 964
decaf::nio::BufferUnderflowException 967
decaf::lang::Byte 969
decaf::internal::util::ByteArrayAdapter (This class adapts primitive type arrays to a base byte array so that the classes can inter-operate on the same base byte array without copying data) 979
decaf::internal::nio::ByteArrayBuffer (This class defines six categories of operations upon byte buffers:) 1004
decaf::io::ByteArrayInputStream (A **ByteArrayInputStream** (p. 1038) contains an internal buffer that contains bytes that may be read from the stream) 1038
decaf::io::ByteArrayOutputStream 1046
decaf::nio::ByteBuffer (This class defines six categories of operations upon byte buffers:) 1049
cms::BytesMessage (A **BytesMessage** (p. 1079) object is used to send a message containing a stream of unsigned bytes) 1079

activemq::cmsutil::CachedConsumer (A cached message consumer contained within a pooled session) 1097
activemq::cmsutil::CachedProducer (A cached message producer contained within a pooled session) 1101
decaf::util::concurrent::Callable< **V** > (A task that returns a result and may throw an exception) 1108
decaf::util::concurrent::CancellationException 1110
decaf::security::cert::Certificate (Base interface for all identity certificates) 1112
decaf::security::cert::CertificateEncodingException 1116
decaf::security::cert::CertificateException 1118
decaf::security::cert::CertificateExpiredException 1120
decaf::security::cert::CertificateNotYetValidException 1122
decaf::security::cert::CertificateParsingException 1124
decaf::lang::Character 1126
decaf::internal::nio::CharArrayBuffer 1135
decaf::nio::CharBuffer (This class defines four categories of operations upon character buffers:) 1148
decaf::lang::CharSequence (A **CharSequence** (p. 1167) is a readable sequence of char values) 1167
decaf::util::zip::CheckedInputStream (An implementation of a FilterInputStream that will maintain a **Checksum** (p. 1174) of the bytes read, the **Checksum** (p. 1174) can then be used to verify the integrity of the input stream) 1169
decaf::util::zip::CheckedOutputStream (An implementation of a FilterOutputStream that will maintain a **Checksum** (p. 1174) of the bytes written, the **Checksum** (p. 1174) can then be used to verify the integrity of the output stream) 1172
decaf::util::zip::Checksum (An interface used to represent **Checksum** (p. 1174) values in the Zip package) 1174
decaf::lang::exceptions::ClassCastException 1177
cms::Closeable (Interface for a class that implements the close method) . . . 1179
decaf::io::Closeable (Interface for a class that implements the close method) 1180
activemq::transport::failover::CloseTransportsTask 1182
activemq::cmsutil::CmsAccessor (Base class for **activemq.cmsutil.CmsTemplate** (p. 1201) and other CMS-accessing gateway helpers, defining common properties such as the CMS **cms.ConnectionFactory** (p. 1361) to operate on) 1183
activemq::cmsutil::CmsDestinationAccessor (Extends the **`CmsAccessor`** (p. 1183) to add support for resolving destination names) 1187
cms::CMSException (CMS API Exception that is the base for all exceptions thrown from CMS classes) 1190
activemq::util::CMSExceptionSupport 1194
cms::CMSProperties (Interface for a Java-like properties object) 1195
cms::CMSSecurityException (This exception must be thrown when a provider rejects a user name/password submitted by a client) 1199
activemq::cmsutil::CmsTemplate (**`CmsTemplate`** (p. 1201) simplifies performing synchronous CMS operations) 1201
code 1215
decaf::util::Collection< **E** > (The root interface in the collection hierarchy) 1216
activemq::commands::Command 1227

activemq::state::CommandVisitor (Interface for an Object that can visit the various Command Objects that are sent from and to this client) . 1233
activemq::state::CommandVisitorAdapter (Default Implementation of a **CommandVisitor** (p. 1233) that returns NULL for all calls) 1242
decaf::lang::Comparable< **T** > (This interface imposes a total ordering on the objects of each class that implements it) 1248
decaf::util::Comparator< **T** > (A comparison function, which imposes a total ordering on some collection of objects) 1251
activemq::util::CompositeData (Represents a Composite URI) 1253
activemq::threads::CompositeTask (Represents a single task that can be part of a set of Tasks that are contained in a `CompositeTaskRunner` (p. 1256)) 1255
activemq::threads::CompositeTaskRunner (A **Task** (p. 3846) Runner that can contain one or more CompositeTasks that are each checked for pending work and run if any is present in the order that the tasks were added) 1256
activemq::transport::CompositeTransport (A Composite **Transport** (p. 3996) is a **Transport** (p. 3996) implementation that is composed of several Transports) 1259
decaf::util::concurrent::ConcurrentMap< **K, V, COMPARATOR** > (Interface for a **Map** (p. 2538) type that provides additional atomic putIfAbsent, remove, and replace methods alongside the already available **Map** (p. 2538) interface) 1260
decaf::util::concurrent::ConcurrentStlMap< **K, V, COMPARATOR** > (**Map** (p. 2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map) 1265
decaf::util::concurrent::locks::Condition (**Condition** (p. 1282) factors out the **Mutex** (p. 2866) monitor methods (wait, notify and notifyAll) into distinct objects to give the effect of having multiple wait-sets per object, by combining them with the use of arbitrary **Lock** (p. 2452) implementations) 1282
decaf::util::concurrent::ConditionHandle 1290
decaf::internal::util::concurrent::ConditionImpl 1291
decaf::net::ConnectException 1293
cms::Connection (The client's connection to its provider) 1296
activemq::commands::ConnectionControl 1301
activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller (Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1307)) 1307
activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller (Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1311)) 1311
activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller (Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1315)) 1315
activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller (Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1319)) 1319

activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller (Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1324)) 1324
activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller (Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1328)) 1328
activemq::commands::ConnectionError 1332
activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller (Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1336)) 1336
activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller (Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1340)) 1340
activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller (Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1344)) 1344
activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller (Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1349)) 1349
activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller (Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1353)) 1353
activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller (Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1357)) 1357
cms::ConnectionFactory (Defines the interface for a factory that creates connection objects, the **Connection** (p. 1296) objects returned implement the CMS **Connection** (p. 1296) interface and hide the CMS Provider specific implementation details behind that interface) . . . 1361
activemq::commands::ConnectionId 1365
activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller (Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1368)) 1368
activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller (Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1373)) 1373
activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller (Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1377)) 1377
activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller (Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1381)) 1381
activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller (Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1385)) 1385
activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller (Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1389)) 1389
activemq::commands::ConnectionInfo 1393

activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller (Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1400)) 1400
activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller (Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1404)) 1404
activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller (Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1408)) 1408
activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller (Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1412)) 1412
activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller (Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1417)) 1417
activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller (Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1421)) 1421
cms::ConnectionMetaData (A **ConnectionMetaData** (p. 1425) object provides information describing the **Connection** (p. 1296) object) . . . 1425
activemq::state::ConnectionState 1429
activemq::state::ConnectionStateTracker 1432
decaf::util::logging::ConsoleHandler (This **Handler** (p. 2042) publishes log records to System.err) 1439
activemq::commands::ConsumerControl 1441
activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller (Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1447)) 1447
activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller (Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1451)) 1451
activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller (Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1455)) 1455
activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller (Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1459)) 1459
activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller (Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1464)) 1464
activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller (Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1468)) 1468
activemq::commands::ConsumerId 1472
activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller (Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1477)) 1477
activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller (Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1481)) 1481

activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller (Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1485)) 1485
activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller (Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1489)) 1489
activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller (Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1493)) 1493
activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller (Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1497)) 1497
activemq::commands::ConsumerInfo 1501
activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller (Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1510)) 1510
activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller (Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1514)) 1514
activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller (Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1518)) 1518
activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller (Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1522)) 1522
activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller (Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1527)) 1527
activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller (Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1531)) 1531
activemq::state::ConsumerState 1535
activemq::commands::ControlCommand 1536
activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller (Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1539)) 1539
activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller (Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1544)) 1544
activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller (Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1548)) 1548
activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller (Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1552)) 1552
activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller (Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1556)) 1556

activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller (Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1561)) 1561
decaf::util::concurrent::CountDownLatch 1565
decaf::util::zip::CRC32 (Class that can be used to compute a CRC-32 checksum for a data stream) 1568
ct_data_s 1571
activemq::commands::DataArrayResponse 1572
activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller (Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1574)) 1574
activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller (Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1579)) 1579
activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller (Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1583)) 1583
activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller (Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1587)) 1587
activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller (Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1592)) 1592
activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller (Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1596)) 1596
decaf::util::zip::DataFormatException 1600
decaf::io::DataInput (The **DataInput** (p. 1603) interface provides for reading bytes from a binary stream and reconstructing from them data in any of the C++ primitive types) 1603
decaf::io::DataInputStream (A data input stream lets an application read primitive Java data types from an underlying input stream in a machine-independent way) 1612
decaf::io::DataOutput (The **DataOutput** (p. 1622) interface provides for converting data from any of the C++ primitive types to a series of bytes and writing these bytes to a binary stream) 1622
decaf::io::DataOutputStream (A data output stream lets an application write primitive Java data types to an output stream in a portable way) . . 1628
activemq::commands::DataResponse 1632
activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller (Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1635)) 1635
activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller (Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1639)) 1639
activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller (Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1643)) 1643

activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller (Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1647)) 1647
activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller (Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1652)) 1652
activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller (Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1656)) 1656
activemq::wireformat::openwire::marshal::DataStreamMarshaller (Base class for all classes that marshal commands for Openwire) 1660
activemq::commands::DataStructure 1713
decaf::util::Date (Wrapper class around a time value in milliseconds) 1719
decaf::internal::DecafRuntime (Handles APR initialization and termination) 1723
activemq::threads::DedicatedTaskRunner 1724
activemq::core::policies::DefaultPrefetchPolicy 1726
activemq::core::policies::DefaultRedeliveryPolicy 1730
decaf::internal::net::DefaultServerSocketFactory (Default implementation of the Decaf ServerSocketFactory, creates ServerSocket objects with supplied options) 1735
decaf::internal::net::DefaultSocketFactory (SocketFactory implementation that is used to create Sockets) 1738
decaf::internal::net::ssl::DefaultSSLContext (Default SSLContext manager for the Decaf library) 1743
decaf::internal::net::ssl::DefaultSSLServerSocketFactory (Default implementation of the SSLServerSocketFactory, this factory throws an Exception from all its create methods to indicate that SSL is not supported, this factory is used when OpenSSL is not enabled in the builds) 1744
decaf::internal::net::ssl::DefaultSSLSocketFactory (Default implementation of the SSLSocketFactory, this factory throws an Exception from all its create methods to indicate that SSL is not supported, this factory is used when OpenSSL is not enabled in the builds) . . 1749
activemq::transport::DefaultTransportListener 1757
decaf::util::zip::Deflater (This class compresses data using the *DEFLATE* algorithm (see `specification`)) 1759
decaf::util::zip::DeflaterOutputStream (Provides a FilterOutputStream instance that compresses the data before writing it to the wrapped OutputStream) 1769
decaf::util::concurrent::Delayed (A mix-in style interface for marking objects that should be acted upon after a given delay) 1774
cms::DeliveryMode (This is an Abstract class whose purpose is to provide a container for the delivery mode enumeration for CMS messages) . 1775
cms::Destination (A **Destination** (p. 1776) object encapsulates a provider-specific address) 1776
activemq::commands::ActiveMQDestination::DestinationFilter 1779
activemq::commands::DestinationInfo 1779

activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller (Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1784)) 1784
activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller (Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1789)) 1789
activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller (Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1793)) 1793
activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller (Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1797)) 1797
activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller (Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1801)) 1801
activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller (Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1806)) 1806
activemq::cmsutil::DestinationResolver (Resolves a CMS destination name to a `Destination`) 1810
activemq::commands::DiscoveryEvent 1812
activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller (Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1815)) 1815
activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller (Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1819)) 1819
activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller (Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1823)) 1823
activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller (Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1827)) 1827
activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller (Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1831)) 1831
activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller (Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1835)) 1835
activemq::core::DispatchData (Simple POCO that contains the information necessary to route a message to a specified consumer) 1839
activemq::core::Dispatcher (Interface for an object responsible for dispatching messages to consumers) 1840
decaf::lang::Double 1841
decaf::internal::nio::DoubleArrayBuffer 1853
decaf::nio::DoubleBuffer (This class defines four categories of operations upon double buffers:) 1865
decaf::lang::DYNAMIC_CAST_TOKEN 1878
activemq::cmsutil::DynamicDestinationResolver (Resolves a CMS destination name to a `Destination`) 1878

decaf::util::Map< K, V, COMPARATOR >::Entry 1880
decaf::io::EOFException 1881
decaf::util::logging::ErrorManager (**ErrorManager** (p. 1884) objects can be attached to Handlers to process any error that occur on a **Handler** (p. 2042) during Logging) 1884
decaf::lang::Exception 1886
cms::ExceptionListener (If a CMS provider detects a serious problem, it notifies the client application through an **ExceptionListener** (p. 1893) that is registered with the **Connection** (p. 1296)) . 1893
activemq::commands::ExceptionResponse 1894
activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller (Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1898)) 1898
activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller (Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1902)) 1902
activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller (Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1906)) 1906
activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller (Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1910)) 1910
activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller (Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1915)) 1915
activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller (Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1919)) 1919
decaf::util::concurrent::ExecutionException 1923
decaf::util::concurrent::Executor (An object that executes submitted **decaf.lang.Runnable** (p. 3418) tasks) 1926
decaf::util::concurrent::ExecutorService (An **Executor** (p. 1926) that provides methods to manage termination and methods that can produce a **Future** (p. 2029) for tracking progress of one or more asynchronous tasks) 1928
activemq::transport::failover::FailoverTransport 1930
activemq::transport::failover::FailoverTransportFactory (Creates an instance of a **FailoverTransport** (p. 1930)) 1942
activemq::transport::failover::FailoverTransportListener (Utility class used by the **Transport** (p. 3996) to perform the work of responding to events from the active **Transport** (p. 3996)) 1945
decaf::io::FileDescriptor (This class servers as an opaque wrapper around an underlying OS level resource that can be used as a source / sink for byte level data such as sockets and files) 1947
decaf::util::logging::Filter (A **Filter** (p. 1949) can be used to provide fine grain control over what is logged, beyond the control provided by log levels) 1949

decaf::io::FilterInputStream (A **FilterInputStream** (p. 1950) contains some other input stream, which it uses as its basic source of data, possibly transforming the data along the way or providing additional functionality) 1950
decaf::io::FilterOutputStream (This class is the superclass of all classes that filter output streams) 1957
decaf::lang::Float 1961
decaf::internal::nio::FloatArrayBuffer 1974
decaf::nio::FloatBuffer (This class defines four categories of operations upon float buffers:) 1985
decaf::io::Flushable (A **Flushable** (p. 1998) is a destination of data that can be flushed) 1998
activemq::commands::FlushCommand 1999
activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller (Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2002)) 2002
activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller (Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2006)) 2006
activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller (Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2010)) 2010
activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller (Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2014)) 2014
activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller (Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2019)) 2019
activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller (Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2023)) 2023
decaf::util::logging::Formatter (A **Formatter** (p. 2027) provides support for formatting LogRecords) 2027
decaf::util::concurrent::Future< V > (A **Future** (p. 2029) represents the result of an asynchronous computation) 2029
activemq::transport::correlator::FutureResponse (A container that holds a response object) 2032
decaf::security::GeneralSecurityException 2034
decaf::internal::util::GenericResource< T > (A Generic **Resource** (p. 3374) wraps some type and will delete it when the **Resource** (p. 3374) itself is deleted) 2037
gz_header_s 2038
gz_state 2039
decaf::util::logging::Handler (A **Handler** (p. 2042) object takes log messages from a **Logger** (p. 2461) and exports them) 2042
decaf::internal::util::HexStringParser 2046
activemq::wireformat::openwire::utils::HexTable (Maps hexidecimal strings to the value of an index into the table, i.e) 2048
decaf::net::HttpRetryException 2049
activemq::util::IdGenerator 2052

decaf::lang::exceptions::IllegalArgumentException 2054
decaf::lang::exceptions::IllegalMonitorStateException 2056
cms::IllegalStateException (This exception is thrown when a method is invoked at an illegal or inappropriate time or if the provider is not in an appropriate state for the requested operation) 2059
decaf::lang::exceptions::IllegalStateException 2060
decaf::lang::exceptions::IllegalThreadStateException 2063
activemq::transport::inactivity::InactivityMonitor 2065
decaf::lang::exceptions::IndexOutOfBoundsException 2069
decaf::net::Inet4Address 2072
decaf::net::Inet6Address 2076
decaf::net::InetAddress (Represents an IP address) 2077
decaf::net::InetSocketAddress 2085
inflate_state 2085
decaf::util::zip::Inflater (This class uncompresses data that was compressed using the *DEFLATE* algorithm (see `specification`)) 2088
decaf::util::zip::InflaterInputStream (A FilterInputStream that decompresses data read from the wrapped InputStream instance) 2097
decaf::io::InputStream (A base class that must be implemented by all classes wishing to provide a class that reads in a stream of bytes) 2105
decaf::io::InputStreamReader (An **InputStreamReader** (p. 2116) is a bridge from byte streams to character streams) 2116
decaf::internal::nio::IntArrayBuffer 2119
decaf::nio::IntBuffer (This class defines four categories of operations upon int buffers:) 2130
decaf::lang::Integer 2143
activemq::commands::IntegerResponse 2160
activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller (Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2162)) 2162
activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller (Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2167)) 2167
activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller (Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2171)) 2171
activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller (Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2175)) 2175
activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller (Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2180)) 2180
activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller (Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2184)) 2184
internal_state 2188
activemq::transport::mock::InternalCommandListener (Listens for Commands sent from the **MockTransport** (p. 2854)) 2192
decaf::lang::exceptions::InterruptedException 2193
decaf::io::InterruptedIOException 2196

cms::InvalidClientIdException (This exception must be thrown when a client attempts to set a connection's client ID to a value that is rejected by a provider) . . . 2199
cms::InvalidDestinationException (This exception must be thrown when a destination either is not understood by a provider or is no longer valid) . . . 2200
decaf::security::InvalidKeyException . . . 2201
decaf::nio::InvalidMarkException . . . 2204
cms::InvalidSelectorException (This exception must be thrown when a CMS client attempts to give a provider a message selector with invalid syntax) . . . 2206
decaf::lang::exceptions::InvalidStateException . . . 2207
decaf::io::IOException . . . 2210
activemq::transport::IOTransport (Implementation of the **Transport** (p. 3996) interface that performs marshaling of commands to IO streams) . . . 2213
decaf::lang::Iterable< **E** > (Implementing this interface allows an object to be cast to an **Iterable** (p. 2220) type for generic collections API calls) . . . 2220
decaf::util::Iterator< **T** > (Defines an object that can be used to iterate over the elements of a collection) . . . 2222
activemq::commands::JournalQueueAck . . . 2224
activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller (Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2228)) . . . 2228
activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller (Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2232)) . . . 2232
activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller (Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2236)) . . . 2236
activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller (Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2240)) . . . 2240
activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller (Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2244)) . . . 2244
activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller (Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2248)) . . . 2248
activemq::commands::JournalTopicAck . . . 2252
activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller (Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2256)) . . . 2256
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller (Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2261)) . . . 2261
activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller (Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2265)) . . . 2265

activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller (Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2269)) 2269
activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller (Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2273)) 2273
activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller (Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2277)) 2277
activemq::commands::JournalTrace 2281
activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller (Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2283)) 2283
activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller (Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2288)) 2288
activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller (Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2292)) 2292
activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller (Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2296)) 2296
activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller (Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2300)) 2300
activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller (Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2304)) 2304
activemq::commands::JournalTransaction 2308
activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller (Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2311)) 2311
activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller (Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2315)) 2315
activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller (Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2319)) 2319
activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller (Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2323)) 2323
activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller (Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2327)) 2327
activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller (Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2331)) 2331
activemq::commands::KeepAliveInfo 2335

activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller (Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2338)) 2338
activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller (Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2342)) 2342
activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller (Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2347)) 2347
activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller (Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2351)) 2351
activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller (Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2355)) 2355
activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller (Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2359)) 2359
decaf::security::Key (The **Key** (p. 2364) interface is the top-level interface for all keys) 2364
decaf::security::KeyException 2366
decaf::security::KeyManagementException 2368
activemq::commands::LastPartialCommand 2371
activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller (Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2374)) 2374
activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller (Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2378)) 2378
activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller (Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2382)) 2382
activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller (Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2386)) 2386
activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller (Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2391)) 2391
activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller (Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2395)) 2395
decaf::util::comparators::Less< **E** > (Simple **Less** (p. 2399) **Comparator** (p. 1251) that compares to elements to determine if the first is less than the second) 2399
std::less< **decaf::lang::ArrayPointer**< **T** > > (An override of the less function object so that the Pointer objects can be stored in STL Maps, etc) 2401
std::less< **decaf::lang::Pointer**< **T** > > (An override of the less function object so that the Pointer objects can be stored in STL Maps, etc) . 2402

decaf::util::logging::Level (Defines a set of standard logging levels that can be used to control logging output) 2403
decaf::util::List< E > (An ordered collection (also known as a sequence)) . 2409
decaf::util::ListIterator< E > (An iterator for lists that allows the programmer to traverse the list in either direction, modify the list during iteration, and obtain the iterator's current position in the list) 2417
activemq::commands::LocalTransactionId 2420
activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller (Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2425)) 2425
activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller (Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2429)) 2429
activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller (Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2433)) 2433
activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller (Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2437)) 2437
activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller (Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2442)) 2442
activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller (Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2446)) 2446
decaf::util::concurrent::Lock (A wrapper class around a given synchronization mechanism that provides automatic release upon destruction) 2450
decaf::util::concurrent::locks::Lock (**Lock** (p. 2452) implementations provide more extensive locking operations than can be obtained using synchronized statements) 2452
decaf::util::concurrent::locks::LockSupport (Basic thread blocking primitives for creating locks and other synchronization classes) 2458
decaf::util::logging::Logger (A **Logger** (p. 2461) object is used to log messages for a specific system or application component) 2461
decaf::util::logging::LoggerHierarchy 2474
activemq::io::LoggingInputStream 2474
activemq::io::LoggingOutputStream (OutputStream filter that just logs the data being written) 2476
activemq::transport::logging::LoggingTransport (A transport filter that logs commands as they are sent/received) 2477
decaf::util::logging::LogManager (There is a single global **LogManager** (p. 2480) object that is used to maintain a set of shared state about Loggers and log services) 2480
decaf::util::logging::LogRecord (**LogRecord** (p. 2487) objects are used to pass logging requests between the logging framework and individual log Handlers) 2487
decaf::util::logging::LogWriter 2493
decaf::lang::Long 2495
decaf::internal::nio::LongArrayBuffer 2511

decaf::nio::LongBuffer (This class defines four categories of operations upon long long buffers:) 2522
activemq::util::LongSequenceGenerator (This class is used to generate a sequence of long long values that are incremented each time a new value is requested) 2535
decaf::net::MalformedURLException 2536
decaf::util::Map< K, V, COMPARATOR > (**Map** (p. 2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map) . . . 2538
cms::MapMessage (A **MapMessage** (p. 2551) object is used to send a set of name-value pairs) 2551
decaf::util::logging::MarkBlockLogger (Defines a class that can be used to mark the entry and exit from scoped blocks) 2563
activemq::wireformat::MarshalAware 2564
activemq::wireformat::openwire::marshal::v6::MarshallerFactory (Used to create marshallers for a specific version of the wire protocol) . . 2567
activemq::wireformat::openwire::marshal::v3::MarshallerFactory (Used to create marshallers for a specific version of the wire protocol) . . 2567
activemq::wireformat::openwire::marshal::v4::MarshallerFactory (Used to create marshallers for a specific version of the wire protocol) . . 2568
activemq::wireformat::openwire::marshal::v5::MarshallerFactory (Used to create marshallers for a specific version of the wire protocol) . . 2569
activemq::wireformat::openwire::marshal::v1::MarshallerFactory (Used to create marshallers for a specific version of the wire protocol) . . 2570
activemq::wireformat::openwire::marshal::v2::MarshallerFactory (Used to create marshallers for a specific version of the wire protocol) . . 2570
activemq::util::MarshallingSupport 2571
decaf::lang::Math (The class `Math` (p. 2575) contains methods for performing basic numeric operations such as the elementary exponential, logarithm, square root, and trigonometric functions) 2575
activemq::util::MemoryUsage 2592
activemq::commands::Message 2596
cms::Message (Root of all messages) 2614
activemq::commands::MessageAck 2643
activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller (Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2648)) 2648
activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller (Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2653)) 2653
activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller (Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2657)) 2657
activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller (Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2661)) 2661
activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller (Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2665)) 2665

activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller (Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2670)) 2670
cms::MessageConsumer (A client uses a **MessageConsumer** (p. 2674) to received messages from a destination) 2674
activemq::cmsutil::MessageCreator (Creates the user-defined message to be sent by the **CmsTemplate** (p. 1201)) 2677
activemq::commands::MessageDispatch 2678
activemq::core::MessageDispatchChannel 2683
activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller (Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2690)) 2690
activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller (Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2695)) 2695
activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller (Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2699)) 2699
activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller (Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2703)) 2703
activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller (Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2707)) 2707
activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller (Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2712)) 2712
activemq::commands::MessageDispatchNotification 2716
activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller (Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2720)) 2720
activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller (Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2725)) 2725
activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller (Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2729)) 2729
activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller (Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2733)) 2733
activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller (Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2737)) 2737
activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller (Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2742)) 2742
cms::MessageEnumeration (Defines an object that enumerates a collection of Messages) 2746

cms::MessageEOFException (This exception must be thrown when an unexpected end of stream has been reached when a **StreamMessage** (p. 3760) or **BytesMessage** (p. 1079) is being read) 2747
cms::MessageFormatException (This exception must be thrown when a CMS client attempts to use a data type not supported by a message or attempts to read data in a message as the wrong type) 2749
activemq::commands::MessageId 2750
activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller (Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2755)) 2755
activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller (Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2759)) 2759
activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller (Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2763)) 2763
activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller (Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2767)) 2767
activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller (Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2771)) 2771
activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller (Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2775)) 2775
cms::MessageListener (A `MessageListener` (p. 2779) object is used to receive asynchronously delivered messages) 2779
activemq::wireformat::openwire::marshal::v5::MessageMarshaller (Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2780)) 2780
activemq::wireformat::openwire::marshal::v3::MessageMarshaller (Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2785)) 2785
activemq::wireformat::openwire::marshal::v2::MessageMarshaller (Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2789)) 2789
activemq::wireformat::openwire::marshal::v4::MessageMarshaller (Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2793)) 2793
activemq::wireformat::openwire::marshal::v1::MessageMarshaller (Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2798)) 2798
activemq::wireformat::openwire::marshal::v6::MessageMarshaller (Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2802)) 2802
cms::MessageNotReadableException (This exception must be thrown when a CMS client attempts to read a write-only message) 2807
cms::MessageNotWriteableException (This exception must be thrown when a CMS client attempts to write to a read-only message) 2808

cms::MessageProducer (A client uses a `MessageProducer` (p. 2809) object to send messages to a **Destination** (p. 1776)) 2809
activemq::wireformat::openwire::utils::MessagePropertyInterceptor (Used the base ActiveMQMessage class to intercept calls to get and set properties in order to capture the calls that use the reserved JMS properties and get and set them in the OpenWire Message properties) 2817
activemq::commands::MessagePull 2824
activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller (Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2828)) 2828
activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller (Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2833)) 2833
activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller (Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2837)) 2837
activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller (Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2841)) 2841
activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller (Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2845)) 2845
activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller (Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2850)) 2850
activemq::transport::mock::MockTransport (The **MockTransport** (p. 2854) defines a base level **Transport** (p. 3996) class that is intended to be used in place of an a regular protocol **Transport** (p. 3996) suck as TCP) 2854
activemq::transport::mock::MockTransportFactory (Manufactures MockTransports, which are objects that read from input streams and write to output streams) 2864
decaf::util::concurrent::Mutex (**Mutex** (p. 2866) object that offers recursive support on all platforms as well as providing the ability to use the standard wait / notify pattern used in languages like Java) 2866
decaf::util::concurrent::MutexHandle 2871
decaf::internal::util::concurrent::MutexImpl 2872
decaf::internal::net::Network (Internal class used to manage Networking related resources and hide platform dependent calls from the higher level API) 2874
activemq::commands::NetworkBridgeFilter 2877
activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller (Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2881)) 2881
activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller (Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2885)) 2885

activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller (Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2889)) 2889
activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller (Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2893)) 2893
activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller (Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2897)) 2897
activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller (Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2901)) 2901
decaf::net::NoRouteToHostException 2905
decaf::security::NoSuchAlgorithmException 2907
decaf::lang::exceptions::NoSuchElementException 2910
decaf::security::NoSuchProviderException 2913
decaf::lang::exceptions::NullPointerException 2915
decaf::lang::Number (The abstract class **Number** (p. 2918) is the superclass of classes **Byte** (p. 969), **Double** (p. 1841), **Float** (p. 1961), **Integer** (p. 2143), **Long** (p. 2495), and **Short** (p. 3538)) 2918
decaf::lang::exceptions::NumberFormatException 2921
cms::ObjectMessage (Place holder for interaction with JMS systems that support Java, the C++ client is not responsible for deserializing the contained Object) 2924
decaf::internal::net::ssl::openssl::OpenSSLContextSpi (Provides an SSLContext that wraps the OpenSSL API) 2924
decaf::internal::net::ssl::openssl::OpenSSLParameters (Container class for parameters that are Common to OpenSSL socket classes) 2927
decaf::internal::net::ssl::openssl::OpenSSLServerSocket (SSLServerSocket based on OpenSSL library code) 2929
decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory (SSLServerSocketFactory that creates Server Sockets that use OpenSSL) . . . 2935
decaf::internal::net::ssl::openssl::OpenSSLSocket (Wraps a a Normal Socket object and extends or overrides functions in that class to make use of the OpenSSL Socket API) 2940
decaf::internal::net::ssl::openssl::OpenSSLSocketException (Subclass of the standard SocketException that knows how to produce an error message from the OpenSSL error stack) 2955
decaf::internal::net::ssl::openssl::OpenSSLSocketFactory (Client Socket Factory that creates SSL based client sockets using the OpenSSL library) 2959
decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream (An output stream for reading data from an OpenSSL Socket instance) . . . 2966
decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream (OutputStream implementation used to write data to an **OpenSSLSocket** (p. 2940) instance) 2969
activemq::wireformat::openwire::OpenWireFormat 2971
activemq::wireformat::openwire::OpenWireFormatFactory 2984
activemq::wireformat::openwire::OpenWireFormatNegotiator 2985
activemq::wireformat::openwire::OpenWireResponseBuilder 2989

decaf::io::OutputStream (Base interface for any class that wants to represent an output stream of bytes) 2991
decaf::io::OutputStreamWriter (A class for turning a character stream into a byte stream) 2999
activemq::commands::PartialCommand 3002
activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller (Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3005)) 3005
activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller (Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3010)) 3010
activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller (Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3014)) 3014
activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller (Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3019)) 3019
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller (Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3023)) 3023
activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller (Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3028)) 3028
decaf::lang::Pointer< T, REFCOUNTER > (Decaf's implementation of a Smart **Pointer** (p. 3032) that is a template on a Type and is **Thread** (p. 3876) Safe if the default Reference Counter is used) 3032
decaf::lang::PointerComparator< T, R > (This implementation of Comparator is designed to allows objects in a Collection to be sorted or tested for equality based on the value of the Object being Pointed to and not the value of the contained pointer in the **Pointer** (p. 3032) instance) 3040
activemq::cmsutil::PooledSession (A pooled session object that wraps around a delegate session) 3041
decaf::util::concurrent::PooledThread 3056
decaf::util::concurrent::PooledThreadListener (Abstract Listener Interface for users of `ThreadPool` (p. 3888)) 3058
decaf::net::PortUnreachableException 3060
activemq::core::PrefetchPolicy (Interface for a Policy object that controls message Prefetching on various destination types in ActiveMQ-CPP) 3062
activemq::util::PrimitiveList (List of primitives) 3067
activemq::util::PrimitiveMap (Map of named primitives) 3079
activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller (This class wraps the functionality needed to marshal a primitive map to the Openwire Format's expectation of what the map looks like on the wire) 3090
activemq::util::PrimitiveValueNode::PrimitiveValue (Define a union type comprised of the various types) 3097

activemq::util::PrimitiveValueConverter (Class controls the conversion of data contained in a **PrimitiveValueNode** (p. 3099) from one type to another) 3098
activemq::util::PrimitiveValueNode (Class that wraps around a single value of one of the many types) 3099
decaf::security::Principal (Base interface for a principal, which can represent an individual or organization) 3114
decaf::util::PriorityQueue< **E** > (An unbounded priority queue based on a binary heap algorithm) 3116
activemq::commands::ProducerAck 3124
activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller (Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3128)) 3128
activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller (Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3133)) 3133
activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller (Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3137)) 3137
activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller (Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3141)) 3141
activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller (Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3145)) 3145
activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller (Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3150)) 3150
activemq::cmsutil::ProducerCallback (Callback for sending a message to a CMS destination) 3154
activemq::cmsutil::CmsTemplate::ProducerExecutor 3155
activemq::commands::ProducerId 3157
activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller (Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3161)) 3161
activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller (Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3165)) 3165
activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller (Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3169)) 3169
activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller (Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3173)) 3173
activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller (Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3177)) 3177
activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller (Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3181)) 3181

activemq::commands::ProducerInfo 3185
activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller (Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3190)) 3190
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller (Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3194)) 3194
activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller (Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3199)) 3199
activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller (Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3203)) 3203
activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller (Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3207)) 3207
activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller (Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3211)) 3211
activemq::state::ProducerState 3216
decaf::util::Properties (Java-like properties class for mapping string names to string values) 3216
decaf::util::logging::PropertiesChangeListener (Defines the interface that classes can use to listen for change events on **Properties** (p. 3216)) 3227
decaf::net::ProtocolException 3228
decaf::security::PublicKey (A public key) 3231
decaf::io::PushbackInputStream (A **PushbackInputStream** (p. 3231) adds functionality to another input stream, namely the ability to "push back" or "unread" one byte) 3231
cms::Queue (An interface encapsulating a provider-specific queue name) . . 3238
decaf::util::Queue< **E** > (A kind of collection provides advanced operations than other basic collections, such as insertion, extraction, and inspection) 3239
cms::QueueBrowser (This class implements in interface for browsing the messages in a **Queue** (p. 3238) without removing them) 3243
decaf::util::Random (**Random** (p. 3245) Value Generator which is used to generate a stream of pseudorandom numbers) 3245
decaf::lang::Readable (A **Readable** (p. 3251) is a source of characters) . . 3251
activemq::transport::inactivity::ReadChecker (Runnable class that is used by the {) 3253
decaf::io::Reader 3254
decaf::nio::ReadOnlyBufferException 3260
decaf::util::concurrent::locks::ReadWriteLock (A **ReadWriteLock** (p. 3263) maintains a pair of associated locks, one for read-only operations and one for writing) 3263
activemq::cmsutil::CmsTemplate::ReceiveExecutor 3265
activemq::core::RedeliveryPolicy (Interface for a **RedeliveryPolicy** (p. 3267) object that controls how message Redelivery is handled in ActiveMQ-CPP when a transaction is rolled back) 3267

decaf::util::concurrent::locks::ReentrantLock (A reentrant mutual exclusion **Lock** (p. 2452) with extended capabilities) 3273
decaf::util::concurrent::RejectedExecutionException 3280
decaf::util::concurrent::RejectedExecutionHandler (A handler for tasks that cannot be executed by a **ThreadPoolExecutor** (p. **??**)) 3283
activemq::commands::RemoveInfo 3284
activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller (Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3288)) 3288
activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller (Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3292)) 3292
activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller (Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3296)) 3296
activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller (Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3300)) 3300
activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller (Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3305)) 3305
activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller (Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3309)) 3309
activemq::commands::RemoveSubscriptionInfo 3313
activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller (Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3318)) 3318
activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller (Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3322)) 3322
activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller (Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3326)) 3326
activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller (Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3331)) 3331
activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller (Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3335)) 3335
activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller (Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3339)) 3339
activemq::commands::ReplayCommand 3343
activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller (Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3347)) 3347
activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller (Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3351)) 3351

activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller (Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3355)) 3355
activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller (Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3360)) 3360
activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller (Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3364)) 3364
activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller (Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3368)) 3368
activemq::cmsutil::CmsTemplate::ResolveProducerExecutor 3372
activemq::cmsutil::CmsTemplate::ResolveReceiveExecutor 3373
decaf::internal::util::Resource (Interface for all Managed Resources in Decaf, these objects are added to the Runtime System and are destroyed at shutdown) 3374
decaf::internal::util::ResourceLifecycleManager 3375
activemq::cmsutil::ResourceLifecycleManager (Manages the lifecycle of a set of CMS resources) 3376
activemq::commands::Response 3379
activemq::transport::mock::ResponseBuilder (Interface for all Protocols to implement that defines the behavior of the Broker in response to messages of that protocol) 3382
activemq::transport::correlator::ResponseCorrelator (This type of transport filter is responsible for correlating asynchronous responses with requests) 3384
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller (Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3388)) 3388
activemq::wireformat::openwire::marshal::v2::ResponseMarshaller (Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3393)) 3393
activemq::wireformat::openwire::marshal::v5::ResponseMarshaller (Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3398)) 3398
activemq::wireformat::openwire::marshal::v3::ResponseMarshaller (Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3403)) 3403
activemq::wireformat::openwire::marshal::v1::ResponseMarshaller (Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3408)) 3408
activemq::wireformat::openwire::marshal::v6::ResponseMarshaller (Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3413)) 3413
decaf::lang::Runnable (Interface for a runnable object - defines a task that can be run by a thread) 3418
decaf::lang::Runtime 3419
decaf::lang::exceptions::RuntimeException 3421
decaf::security::SecureRandom 3424

decaf::internal::security::SecureRandomImpl (Secure Random Number Generator for Unix based platforms that attempts to obtain secure bytes with high entropy from known sources) 3429
decaf::security::SecureRandomSpi (Interface class used by Security Service Providers to implement a source of secure random bytes) . . . 3432
decaf::util::concurrent::Semaphore (A counting semaphore) 3434
activemq::cmsutil::CmsTemplate::SendExecutor 3445
decaf::net::ServerSocket (This class implements server sockets) 3447
decaf::net::ServerSocketFactory (Class used to create Server Sockets, subclasses can be created that create certain types of server sockets according to specific policies) 3457
cms::Session (A **Session** (p. 3460) object is a single-threaded context for producing and consuming messages) 3460
activemq::cmsutil::SessionCallback (Callback for executing any number of operations on a provided CMS Session) 3475
activemq::commands::SessionId 3476
activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller (Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3481)) 3481
activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller (Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3485)) 3485
activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller (Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3489)) 3489
activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller (Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3493)) 3493
activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller (Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3497)) 3497
activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller (Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3501)) 3501
activemq::commands::SessionInfo 3505
activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller (Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3508)) 3508
activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller (Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3513)) 3513
activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller (Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3517)) 3517
activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller (Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3521)) 3521
activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller (Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3525)) 3525

activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller (Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3530)) 3530
activemq::cmsutil::SessionPool (A pool of CMS sessions from the same connection and with the same acknowledge mode) 3534
activemq::state::SessionState 3536
decaf::util::Set< E > (A collection that contains no duplicate elements) . . 3538
decaf::lang::Short 3538
decaf::internal::nio::ShortArrayBuffer 3548
decaf::nio::ShortBuffer (This class defines four categories of operations upon short buffers:) 3560
activemq::commands::ShutdownInfo 3573
activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller (Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3576)) 3576
activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller (Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3580)) 3580
activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller (Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3584)) 3584
activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller (Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3589)) 3589
activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller (Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3593)) 3593
activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller (Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3597)) 3597
decaf::security::SignatureException 3601
decaf::util::logging::SimpleFormatter (Print a brief summary of the **LogRecord** (p. 2487) in a human readable format) 3604
decaf::util::logging::SimpleLogger 3605
decaf::net::Socket 3607
decaf::net::SocketAddress (Base class for protocol specific **Socket** (p. 3607) addresses) 3626
decaf::net::SocketError (Static utility class to simplify handling of error codes for socket operations) 3626
decaf::net::SocketException (Exception for errors when manipulating sockets) 3627
decaf::net::SocketFactory (The **SocketFactory** (p. 3629) is used to create **Socket** (p. 3607) objects and can be sub-classed to provide other types of Sockets or Sockets with varying configurations) 3629
decaf::internal::net::SocketFileDescriptor (File Descriptor type used internally by Decaf Socket objects) 3634
decaf::net::SocketImpl (Acts as a base class for all physical **Socket** (p. 3607) implementations) 3635
decaf::net::SocketImplFactory (Factory class interface for a Factory that creates ScoketImpl objects) 3644

decaf::net::SocketOptions 3645
decaf::net::SocketTimeoutException 3650
decaf::net::ssl::SSLContext (Represents on implementation of the Secure **Socket** (p. 3607) Layer for streaming based sockets) 3653
decaf::net::ssl::SSLContextSpi (Defines the interface that should be provided by an **SSLContext** (p. 3653) provider) 3655
decaf::net::ssl::SSLParameters 3658
decaf::net::ssl::SSLServerSocket (Represents a server socket that is used to accept connections from clients using the Secure Sockets protocol or the Top Level Security protocol) 3662
decaf::net::ssl::SSLServerSocketFactory (Factory class interface that provides methods to create SSL Server Sockets) 3668
decaf::net::ssl::SSLSocket 3670
decaf::net::ssl::SSLSocketFactory (Factory class interface for a **SocketFactory** (p. 3629) that can create **SSLSocket** (p. 3670) objects) . . 3679
activemq::transport::tcp::SslTransport (**Transport** (p. 3996) for connecting to a Broker using an SSL Socket) 3682
activemq::transport::tcp::SslTransportFactory 3684
activemq::commands::BrokerError::StackTraceElement 3685
decaf::internal::io::StandardErrorOutputStream (Wrapper Around the Standard error Output facility on the current platform) 3686
decaf::internal::io::StandardInputStream 3688
decaf::internal::io::StandardOutputStream 3689
cms::Startable (Interface for a class that implements the start method) . . . 3691
decaf::lang::STATIC_CAST_TOKEN 3692
activemq::core::ActiveMQConstants::StaticInitializer 3693
decaf::util::StlList< E > (**List** (p. 2409) class that wraps the STL list object to provide a simpler interface and additional methods not provided by the STL type) 3694
decaf::util::StlMap< K, V, COMPARATOR > (**Map** (p. 2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map) 3708
decaf::util::StlQueue< T > (The **Queue** (p. 3239) class accepts messages with an psuh(m) command where m is the message to be queued) . 3722
decaf::util::StlSet< E > (**Set** (p. 3538) template that wraps around a std::set to provide a more user-friendly interface and to provide common functions that do not exist in std::set) 3731
activemq::wireformat::stomp::StompCommandConstants 3738
activemq::wireformat::stomp::StompFrame (A Stomp-level message frame that encloses all messages to and from the broker) 3741
activemq::wireformat::stomp::StompHelper (Utility Methods used when marshaling to and from StompFrame's) 3746
activemq::wireformat::stomp::StompWireFormat 3751
activemq::wireformat::stomp::StompWireFormatFactory (Factory used to create the Stomp Wire Format instance) 3754
cms::Stoppable (Interface for a class that implements the stop method) . . . 3755
decaf::util::logging::StreamHandler (Stream based logging **Handler** (p. 2042)) 3756
cms::StreamMessage (Interface for a **StreamMessage** (p. 3760)) 3760

decaf::lang::String (Immutable sequence of chars) 3775
decaf::util::StringTokenizer 3779
activemq::commands::SubscriptionInfo 3782
activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller (Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3786)) 3786
activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller (Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3791)) 3791
activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller (Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3795)) 3795
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller (Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3799)) 3799
activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller (Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3803)) 3803
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller (Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3807)) 3807
decaf::util::concurrent::Synchronizable (The interface for all synchronizable objects (that is, objects that can be locked and unlocked)) . . . 3811
decaf::internal::util::concurrent::SynchronizableImpl (A convenience class used by some Decaf classes to implement the Synchronizable interface when there is no issues related to multiple inheritance) 3822
activemq::core::Synchronization (Transacted Object **Synchronization** (p. 3826), used to sync the events of a Transaction with the items in the Transaction) 3826
decaf::util::concurrent::SynchronousQueue< **E** > (A **blocking queue** (p. 848) in which each insert operation must wait for a corresponding remove operation by another thread, and vice versa) 3827
decaf::lang::System (Static methods for accessing system level resources and performing some system dependent tasks such as looking up environment values and copying memory and arrays) 3838
activemq::threads::Task (Represents a unit of work that requires one or more iterations to complete) 3846
decaf::util::concurrent::TaskListener 3847
activemq::threads::TaskRunner 3849
decaf::internal::net::tcp::TcpSocket (Platform-independent implementation of the socket interface) 3850
decaf::internal::net::tcp::TcpSocketInputStream (Input stream for performing reads on a socket) 3860
decaf::internal::net::tcp::TcpSocketOutputStream (Output stream for performing write operations on a socket) 3863
activemq::transport::tcp::TcpTransport (Implements a TCP/IP based transport filter, this transport is meant to wrap an instance of an **IOTransport** (p. 2213)) 3865
activemq::transport::tcp::TcpTransportFactory (Factory Responsible for creating the **TcpTransport** (p. 3865)) 3869

cms::TemporaryQueue (Defines a Temporary **Queue** (p. 3238) based **Destination** (p. 1776)) 3871
cms::TemporaryTopic (Defines a Temporary **Topic** (p. 3930) based **Destination** (p. 1776)) 3873
cms::TextMessage (Interface for a text message) 3874
decaf::lang::Thread (A **Thread** (p. 3876) is a concurrent unit of execution) 3876
decaf::util::concurrent::ThreadFactory (Public interface **ThreadFactory** (p. 3887)) 3887
decaf::lang::ThreadGroup 3888
decaf::util::concurrent::ThreadPool (Defines a Thread Pool object that implements the functionality of pooling threads to perform user tasks) 3888
decaf::lang::Throwable (This class represents an error that has occurred) . . 3895
decaf::util::concurrent::TimeoutException 3899
decaf::util::Timer (A facility for threads to schedule tasks for future execution in a background thread) 3901
decaf::util::TimerTask (A Base class for a task object that can be scheduled for one-time or repeated execution by a **Timer** (p. 3901)) 3914
decaf::internal::util::TimerTaskHeap (A Binary Heap implemented specifically for the Timer class in Decaf Util) 3916
decaf::util::concurrent::TimeUnit (A **TimeUnit** (p. 3919) represents time durations at a given unit of granularity and provides utility methods to convert across units, and to perform timing and delay operations in these units) 3919
cms::Topic (An interface encapsulating a provider-specific topic name) . . . 3930
activemq::state::Tracked 3931
activemq::commands::TransactionId 3932
activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller (Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3935)) 3935
activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller (Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3939)) 3939
activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller (Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3943)) 3943
activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller (Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3947)) 3947
activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller (Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3951)) 3951
activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller (Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3955)) 3955
activemq::commands::TransactionInfo 3959
activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller (Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3964)) 3964

activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller (Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3968)) 3968
activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller (Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3972)) 3972
activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller (Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3977)) 3977
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller (Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3981)) 3981
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller (Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3985)) 3985
activemq::state::TransactionState 3989
decaf::internal::util::concurrent::Transferer< E > (Shared internal API for dual stacks and queues) 3991
decaf::internal::util::concurrent::TransferQueue< E > (This extends Scherer-Scott dual queue algorithm, differing, among other ways, by using modes within nodes rather than marked pointers) 3992
decaf::internal::util::concurrent::TransferStack< E > 3994
activemq::transport::Transport (Interface for a transport layer for command objects) 3996
activemq::transport::TransportFactory (Defines the interface for Factories that create Transports or TransportFilters) 4003
activemq::transport::TransportFilter (A filter on the transport layer) . . . 4004
activemq::transport::TransportListener (A listener of asynchronous exceptions from a command transport object) 4013
activemq::transport::TransportRegistry (Registry of all **Transport** (p. 3996) Factories that are available to the client at runtime) 4015
tree_desc_s 4018
decaf::lang::Thread::UncaughtExceptionHandler (Interface for handlers invoked when a **Thread** (p. 3876) abruptly terminates due to an uncaught exception) 4018
decaf::net::UnknownHostException 4019
decaf::net::UnknownServiceException 4022
decaf::io::UnsupportedEncodingException (Thrown when the the Character Encoding is not supported) 4025
decaf::lang::exceptions::UnsupportedOperationException 4028
cms::UnsupportedOperationException (This exception must be thrown when a CMS client attempts use a CMS method that is not implemented or not supported by the CMS Provider in use) 4030
decaf::net::URI (This class represents an instance of a **URI** (p. 4031) as defined by RFC 2396) 4031
decaf::internal::net::URIEncoderDecoder 4044
decaf::internal::net::URIHelper (Helper class used by the URI classes in encoding and decoding of URI's) 4047
activemq::transport::failover::URIPool 4054
activemq::util::URISupport 4057

decaf::net::URISyntaxException 4060
decaf::internal::net::URIType (Basic type object that holds data that composes a given URI) 4063
decaf::net::URL (Class **URL** (p. 4072) represents a Uniform Resource Locator, a pointer to a "resource" on the World Wide Web) 4072
decaf::net::URLDecoder 4074
decaf::net::URLEncoder 4074
activemq::util::Usage 4075
decaf::io::UTFDataFormatException (Thrown from classes that attempt to read or write a UTF-8 encoded string and an encoding error is encountered) 4078
decaf::util::UUID (A class that represents an immutable universally unique identifier (**UUID** (p. 4080))) 4080
activemq::wireformat::WireFormat (Provides a mechanism to marshal commands into and out of packets or into and out of streams, Channels and Datagrams) 4088
activemq::wireformat::WireFormatFactory (The **WireFormatFactory** (p. 4092) is the interface that all **WireFormatFactory** (p. 4092) classes must extend) 4092
activemq::commands::WireFormatInfo 4093
activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller (Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4104)) 4104
activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller (Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4109)) 4109
activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller (Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4113)) 4113
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller (Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4117)) 4117
activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller (Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4121)) 4121
activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller (Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4125)) 4125
activemq::wireformat::WireFormatNegotiator (Defines a **WireFormatNegotiator** (p. 4129) which allows a **WireFormat** (p. 4088) to) . . 4129
activemq::wireformat::WireFormatRegistry (Registry of all **WireFormat** (p. 4088) Factories that are available to the client at runtime) 4129
activemq::transport::inactivity::WriteChecker (Runnable class used by the {) 4132
decaf::io::Writer 4133
decaf::security::auth::x500::X500Principal 4140
decaf::security::cert::X509Certificate (Base interface for all identity certificates) 4141
activemq::commands::XATransactionId 4143

activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller (Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4147)) 4147
activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller (Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4151)) 4151
activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller (Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4155)) 4155
activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller (Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4160)) 4160
activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller (Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4164)) 4164
activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller (Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4168)) 4168
decaf::util::logging::XMLFormatter (Format a **LogRecord** (p. 2487) into a standard XML format) 4172
z_stream_s 4174
decaf::util::zip::ZipException 4175

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

src/main/activemq/cmsutil/**CachedConsumer.h** 4179
src/main/activemq/cmsutil/**CachedProducer.h** 4179
src/main/activemq/cmsutil/**CmsAccessor.h** 4180
src/main/activemq/cmsutil/**CmsDestinationAccessor.h** 4180
src/main/activemq/cmsutil/**CmsTemplate.h** 4181
src/main/activemq/cmsutil/**DestinationResolver.h** 4182
src/main/activemq/cmsutil/**DynamicDestinationResolver.h** 4182
src/main/activemq/cmsutil/**MessageCreator.h** 4183
src/main/activemq/cmsutil/**PooledSession.h** 4183
src/main/activemq/cmsutil/**ProducerCallback.h** 4184
src/main/activemq/cmsutil/**ResourceLifecycleManager.h** 4184
src/main/activemq/cmsutil/**SessionCallback.h** 4185
src/main/activemq/cmsutil/**SessionPool.h** 4186
src/main/activemq/commands/**ActiveMQBlobMessage.h** 4186
src/main/activemq/commands/**ActiveMQBytesMessage.h** 4187
src/main/activemq/commands/**ActiveMQDestination.h** 4188
src/main/activemq/commands/**ActiveMQMapMessage.h** 4188
src/main/activemq/commands/**ActiveMQMessage.h** 4189
src/main/activemq/commands/**ActiveMQMessageTemplate.h** 4189
src/main/activemq/commands/**ActiveMQObjectMessage.h** 4190
src/main/activemq/commands/**ActiveMQQueue.h** 4191
src/main/activemq/commands/**ActiveMQStreamMessage.h** 4191
src/main/activemq/commands/**ActiveMQTempDestination.h** 4192
src/main/activemq/commands/**ActiveMQTempQueue.h** 4193
src/main/activemq/commands/**ActiveMQTempTopic.h** 4193
src/main/activemq/commands/**ActiveMQTextMessage.h** 4194
src/main/activemq/commands/**ActiveMQTopic.h** 4194
src/main/activemq/commands/**BaseCommand.h** 4195
src/main/activemq/commands/**BaseDataStructure.h** 4195

src/main/activemq/commands/**BooleanExpression.h** 4196
src/main/activemq/commands/**BrokerError.h** 4196
src/main/activemq/commands/**BrokerId.h** 4197
src/main/activemq/commands/**BrokerInfo.h** 4197
src/main/activemq/commands/**Command.h** 4198
src/main/activemq/commands/**ConnectionControl.h** 4199
src/main/activemq/commands/**ConnectionError.h** 4199
src/main/activemq/commands/**ConnectionId.h** 4200
src/main/activemq/commands/**ConnectionInfo.h** 4200
src/main/activemq/commands/**ConsumerControl.h** 4201
src/main/activemq/commands/**ConsumerId.h** 4201
src/main/activemq/commands/**ConsumerInfo.h** 4202
src/main/activemq/commands/**ControlCommand.h** 4203
src/main/activemq/commands/**DataArrayResponse.h** 4203
src/main/activemq/commands/**DataResponse.h** 4204
src/main/activemq/commands/**DataStructure.h** 4204
src/main/activemq/commands/**DestinationInfo.h** 4205
src/main/activemq/commands/**DiscoveryEvent.h** 4205
src/main/activemq/commands/**ExceptionResponse.h** 4206
src/main/activemq/commands/**FlushCommand.h** 4206
src/main/activemq/commands/**IntegerResponse.h** 4207
src/main/activemq/commands/**JournalQueueAck.h** 4207
src/main/activemq/commands/**JournalTopicAck.h** 4208
src/main/activemq/commands/**JournalTrace.h** 4209
src/main/activemq/commands/**JournalTransaction.h** 4209
src/main/activemq/commands/**KeepAliveInfo.h** 4210
src/main/activemq/commands/**LastPartialCommand.h** 4210
src/main/activemq/commands/**LocalTransactionId.h** 4211
src/main/activemq/commands/**Message.h** 4211
src/main/activemq/commands/**MessageAck.h** 4213
src/main/activemq/commands/**MessageDispatch.h** 4213
src/main/activemq/commands/**MessageDispatchNotification.h** 4214
src/main/activemq/commands/**MessageId.h** 4215
src/main/activemq/commands/**MessagePull.h** 4215
src/main/activemq/commands/**NetworkBridgeFilter.h** 4216
src/main/activemq/commands/**PartialCommand.h** 4216
src/main/activemq/commands/**ProducerAck.h** 4217
src/main/activemq/commands/**ProducerId.h** 4217
src/main/activemq/commands/**ProducerInfo.h** 4218
src/main/activemq/commands/**RemoveInfo.h** 4219
src/main/activemq/commands/**RemoveSubscriptionInfo.h** 4219
src/main/activemq/commands/**ReplayCommand.h** 4220
src/main/activemq/commands/**Response.h** 4220
src/main/activemq/commands/**SessionId.h** 4221
src/main/activemq/commands/**SessionInfo.h** 4221
src/main/activemq/commands/**ShutdownInfo.h** 4222
src/main/activemq/commands/**SubscriptionInfo.h** 4222
src/main/activemq/commands/**TransactionId.h** 4223
src/main/activemq/commands/**TransactionInfo.h** 4223
src/main/activemq/commands/**WireFormatInfo.h** 4224

src/main/activemq/commands/**XATransactionId.h** 4224
src/main/activemq/core/**ActiveMQAckHandler.h** 4225
src/main/activemq/core/**ActiveMQConnection.h** 4225
src/main/activemq/core/**ActiveMQConnectionFactory.h** 4226
src/main/activemq/core/**ActiveMQConnectionMetaData.h** 4227
src/main/activemq/core/**ActiveMQConstants.h** 4227
src/main/activemq/core/**ActiveMQConsumer.h** 4228
src/main/activemq/core/**ActiveMQProducer.h** 4229
src/main/activemq/core/**ActiveMQQueueBrowser.h** 4230
src/main/activemq/core/**ActiveMQSession.h** 4230
src/main/activemq/core/**ActiveMQSessionExecutor.h** 4231
src/main/activemq/core/**ActiveMQTransactionContext.h** 4232
src/main/activemq/core/**DispatchData.h** 4233
src/main/activemq/core/**Dispatcher.h** 4233
src/main/activemq/core/**MessageDispatchChannel.h** 4234
src/main/activemq/core/**PrefetchPolicy.h** 4235
src/main/activemq/core/**RedeliveryPolicy.h** 4236
src/main/activemq/core/**Synchronization.h** 4236
src/main/activemq/core/policies/**DefaultPrefetchPolicy.h** 4234
src/main/activemq/core/policies/**DefaultRedeliveryPolicy.h** 4235
src/main/activemq/exceptions/**ActiveMQException.h** 4237
src/main/activemq/exceptions/**BrokerException.h** 4237
src/main/activemq/exceptions/**ExceptionDefines.h** 4238
src/main/activemq/io/**LoggingInputStream.h** 4242
src/main/activemq/io/**LoggingOutputStream.h** 4243
src/main/activemq/library/**ActiveMQCPP.h** 4243
src/main/activemq/state/**CommandVisitor.h** 4244
src/main/activemq/state/**CommandVisitorAdapter.h** 4244
src/main/activemq/state/**ConnectionState.h** 4245
src/main/activemq/state/**ConnectionStateTracker.h** 4246
src/main/activemq/state/**ConsumerState.h** 4247
src/main/activemq/state/**ProducerState.h** 4248
src/main/activemq/state/**SessionState.h** 4248
src/main/activemq/state/**Tracked.h** 4249
src/main/activemq/state/**TransactionState.h** 4249
src/main/activemq/threads/**CompositeTask.h** 4250
src/main/activemq/threads/**CompositeTaskRunner.h** 4250
src/main/activemq/threads/**DedicatedTaskRunner.h** 4251
src/main/activemq/threads/**Task.h** 4252
src/main/activemq/threads/**TaskRunner.h** 4252
src/main/activemq/transport/**AbstractTransportFactory.h** 4253
src/main/activemq/transport/**CompositeTransport.h** 4253
src/main/activemq/transport/**DefaultTransportListener.h** 4255
src/main/activemq/transport/**IOTransport.h** 4262
src/main/activemq/transport/**Transport.h** 4268
src/main/activemq/transport/**TransportFactory.h** 4269
src/main/activemq/transport/**TransportFilter.h** 4270
src/main/activemq/transport/**TransportListener.h** 4270
src/main/activemq/transport/**TransportRegistry.h** 4271
src/main/activemq/transport/correlator/**FutureResponse.h** 4254

src/main/activemq/transport/correlator/**ResponseCorrelator.h** 4254
src/main/activemq/transport/failover/**BackupTransport.h** 4256
src/main/activemq/transport/failover/**BackupTransportPool.h** 4256
src/main/activemq/transport/failover/**CloseTransportsTask.h** 4257
src/main/activemq/transport/failover/**FailoverTransport.h** 4257
src/main/activemq/transport/failover/**FailoverTransportFactory.h** 4258
src/main/activemq/transport/failover/**FailoverTransportListener.h** 4259
src/main/activemq/transport/failover/**URIPool.h** 4260
src/main/activemq/transport/inactivity/**InactivityMonitor.h** 4260
src/main/activemq/transport/inactivity/**ReadChecker.h** 4261
src/main/activemq/transport/inactivity/**WriteChecker.h** 4261
src/main/activemq/transport/logging/**LoggingTransport.h** 4263
src/main/activemq/transport/mock/**InternalCommandListener.h** 4263
src/main/activemq/transport/mock/**MockTransport.h** 4264
src/main/activemq/transport/mock/**MockTransportFactory.h** 4265
src/main/activemq/transport/mock/**ResponseBuilder.h** 4265
src/main/activemq/transport/tcp/**SslTransport.h** 4266
src/main/activemq/transport/tcp/**SslTransportFactory.h** 4266
src/main/activemq/transport/tcp/**TcpTransport.h** 4267
src/main/activemq/transport/tcp/**TcpTransportFactory.h** 4268
src/main/activemq/util/**ActiveMQProperties.h** 4271
src/main/activemq/util/**CMSExceptionSupport.h** 4272
src/main/activemq/util/**CompositeData.h** 4274
src/main/activemq/util/**Config.h** 4274
src/main/activemq/util/**IdGenerator.h** 4275
src/main/activemq/util/**LongSequenceGenerator.h** 4276
src/main/activemq/util/**MarshallingSupport.h** 4276
src/main/activemq/util/**MemoryUsage.h** 4277
src/main/activemq/util/**PrimitiveList.h** 4277
src/main/activemq/util/**PrimitiveMap.h** 4278
src/main/activemq/util/**PrimitiveValueConverter.h** 4279
src/main/activemq/util/**PrimitiveValueNode.h** 4279
src/main/activemq/util/**URISupport.h** 4280
src/main/activemq/util/**Usage.h** 4280
src/main/activemq/wireformat/**MarshalAware.h** 4281
src/main/activemq/wireformat/**WireFormat.h** 4569
src/main/activemq/wireformat/**WireFormatFactory.h** 4569
src/main/activemq/wireformat/**WireFormatNegotiator.h** 4570
src/main/activemq/wireformat/**WireFormatRegistry.h** 4570
src/main/activemq/wireformat/openwire/**OpenWireFormat.h** 4561
src/main/activemq/wireformat/openwire/**OpenWireFormatFactory.h** 4562
src/main/activemq/wireformat/openwire/**OpenWireFormatNegotiator.h** . . 4562
src/main/activemq/wireformat/openwire/**OpenWireResponseBuilder.h** . . . 4563
src/main/activemq/wireformat/openwire/marshal/**BaseDataStreamMarshaller.h** 4281
src/main/activemq/wireformat/openwire/marshal/**DataStreamMarshaller.h** . 4282
src/main/activemq/wireformat/openwire/marshal/**PrimitiveTypesMarshaller.h** 4282
src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQBlobMessageMarshaller.h** 4283

src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQBytesMessageMarshaller.h** 4288
src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQDestinationMarshaller.h** 4292
src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQMapMessageMarshaller.h** 4297
src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQMessageMarshaller.h** 4301
src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQObjectMessageMarshaller.h** 4306
src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQQueueMarshaller.h** 4310
src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQStreamMessageMarshaller.h** 4315
src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQTempDestinationMarshaller.h** 4319
src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQTempQueueMarshaller.h** 4324
src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQTempTopicMarshaller.h** 4329
src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQTextMessageMarshaller.h** 4333
src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQTopicMarshaller.h** 4338
src/main/activemq/wireformat/openwire/marshal/v1/**BaseCommandMarshaller.h** 4342
src/main/activemq/wireformat/openwire/marshal/v1/**BrokerIdMarshaller.h** 4347
src/main/activemq/wireformat/openwire/marshal/v1/**BrokerInfoMarshaller.h** 4351
src/main/activemq/wireformat/openwire/marshal/v1/**ConnectionControlMarshaller.h** 4355
src/main/activemq/wireformat/openwire/marshal/v1/**ConnectionErrorMarshaller.h** 4360
src/main/activemq/wireformat/openwire/marshal/v1/**ConnectionIdMarshaller.h** 4364
src/main/activemq/wireformat/openwire/marshal/v1/**ConnectionInfoMarshaller.h** 4369
src/main/activemq/wireformat/openwire/marshal/v1/**ConsumerControlMarshaller.h** 4373
src/main/activemq/wireformat/openwire/marshal/v1/**ConsumerIdMarshaller.h** 4378
src/main/activemq/wireformat/openwire/marshal/v1/**ConsumerInfoMarshaller.h** 4382
src/main/activemq/wireformat/openwire/marshal/v1/**ControlCommandMarshaller.h** 4387
src/main/activemq/wireformat/openwire/marshal/v1/**DataArrayResponseMarshaller.h** 4391
src/main/activemq/wireformat/openwire/marshal/v1/**DataResponseMarshaller.h** 4396

src/main/activemq/wireformat/openwire/marshal/v1/**DestinationInfoMarshaller.h** 4400
src/main/activemq/wireformat/openwire/marshal/v1/**DiscoveryEventMarshaller.h** 4405
src/main/activemq/wireformat/openwire/marshal/v1/**ExceptionResponseMarshaller.h** 4409
src/main/activemq/wireformat/openwire/marshal/v1/**FlushCommandMarshaller.h** 4414
src/main/activemq/wireformat/openwire/marshal/v1/**IntegerResponseMarshaller.h** 4418
src/main/activemq/wireformat/openwire/marshal/v1/**JournalQueueAckMarshaller.h** 4423
src/main/activemq/wireformat/openwire/marshal/v1/**JournalTopicAckMarshaller.h** 4427
src/main/activemq/wireformat/openwire/marshal/v1/**JournalTraceMarshaller.h** 4432
src/main/activemq/wireformat/openwire/marshal/v1/**JournalTransactionMarshaller.h** 4436
src/main/activemq/wireformat/openwire/marshal/v1/**KeepAliveInfoMarshaller.h** 4441
src/main/activemq/wireformat/openwire/marshal/v1/**LastPartialCommandMarshaller.h** 4445
src/main/activemq/wireformat/openwire/marshal/v1/**LocalTransactionIdMarshaller.h** 4450
src/main/activemq/wireformat/openwire/marshal/v1/**MarshallerFactory.h** . 4454
src/main/activemq/wireformat/openwire/marshal/v1/**MessageAckMarshaller.h** 4458
src/main/activemq/wireformat/openwire/marshal/v1/**MessageDispatchMarshaller.h** 4462
src/main/activemq/wireformat/openwire/marshal/v1/**MessageDispatchNotificationMarshaller.h** 4467
src/main/activemq/wireformat/openwire/marshal/v1/**MessageIdMarshaller.h** 4471
src/main/activemq/wireformat/openwire/marshal/v1/**MessageMarshaller.h** . 4476
src/main/activemq/wireformat/openwire/marshal/v1/**MessagePullMarshaller.h** 4480
src/main/activemq/wireformat/openwire/marshal/v1/**NetworkBridgeFilterMarshaller.h** 4485
src/main/activemq/wireformat/openwire/marshal/v1/**PartialCommandMarshaller.h** 4489
src/main/activemq/wireformat/openwire/marshal/v1/**ProducerAckMarshaller.h** 4494
src/main/activemq/wireformat/openwire/marshal/v1/**ProducerIdMarshaller.h** 4498
src/main/activemq/wireformat/openwire/marshal/v1/**ProducerInfoMarshaller.h** 4503
src/main/activemq/wireformat/openwire/marshal/v1/**RemoveInfoMarshaller.h** 4507
src/main/activemq/wireformat/openwire/marshal/v1/**RemoveSubscriptionInfoMarshaller.h** 4512

src/main/activemq/wireformat/openwire/marshal/v1/**ReplayCommandMarshaller.h** 4516
src/main/activemq/wireformat/openwire/marshal/v1/**ResponseMarshaller.h** 4521
src/main/activemq/wireformat/openwire/marshal/v1/**SessionIdMarshaller.h** 4525
src/main/activemq/wireformat/openwire/marshal/v1/**SessionInfoMarshaller.h** 4529
src/main/activemq/wireformat/openwire/marshal/v1/**ShutdownInfoMarshaller.h** 4534
src/main/activemq/wireformat/openwire/marshal/v1/**SubscriptionInfoMarshaller.h** 4538
src/main/activemq/wireformat/openwire/marshal/v1/**TransactionIdMarshaller.h** 4543
src/main/activemq/wireformat/openwire/marshal/v1/**TransactionInfoMarshaller.h** 4547
src/main/activemq/wireformat/openwire/marshal/v1/**WireFormatInfoMarshaller.h** 4552
src/main/activemq/wireformat/openwire/marshal/v1/**XATransactionIdMarshaller.h** 4556
src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQBlobMessageMarshaller.h** 4284
src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQBytesMessageMarshaller.h** 4288
src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQDestinationMarshaller.h** 4293
src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQMapMessageMarshaller.h** 4297
src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQMessageMarshaller.h** 4302
src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQObjectMessageMarshaller.h** 4306
src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQQueueMarshaller.h** 4311
src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQStreamMessageMarshaller.h** 4315
src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQTempDestinationMarshaller.h** 4320
src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQTempQueueMarshaller.h** 4325
src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQTempTopicMarshaller.h** 4329
src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQTextMessageMarshaller.h** 4334
src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQTopicMarshaller.h** 4338
src/main/activemq/wireformat/openwire/marshal/v2/**BaseCommandMarshaller.h** 4343
src/main/activemq/wireformat/openwire/marshal/v2/**BrokerIdMarshaller.h** 4347

src/main/activemq/wireformat/openwire/marshal/v2/**BrokerInfoMarshaller.h** 4352
src/main/activemq/wireformat/openwire/marshal/v2/**ConnectionControlMarshaller.h** 4356
src/main/activemq/wireformat/openwire/marshal/v2/**ConnectionErrorMarshaller.h** 4361
src/main/activemq/wireformat/openwire/marshal/v2/**ConnectionIdMarshaller.h** 4365
src/main/activemq/wireformat/openwire/marshal/v2/**ConnectionInfoMarshaller.h** 4370
src/main/activemq/wireformat/openwire/marshal/v2/**ConsumerControlMarshaller.h** 4374
src/main/activemq/wireformat/openwire/marshal/v2/**ConsumerIdMarshaller.h** 4379
src/main/activemq/wireformat/openwire/marshal/v2/**ConsumerInfoMarshaller.h** 4383
src/main/activemq/wireformat/openwire/marshal/v2/**ControlCommandMarshaller.h** 4388
src/main/activemq/wireformat/openwire/marshal/v2/**DataArrayResponseMarshaller.h** 4392
src/main/activemq/wireformat/openwire/marshal/v2/**DataResponseMarshaller.h** 4397
src/main/activemq/wireformat/openwire/marshal/v2/**DestinationInfoMarshaller.h** 4401
src/main/activemq/wireformat/openwire/marshal/v2/**DiscoveryEventMarshaller.h** 4406
src/main/activemq/wireformat/openwire/marshal/v2/**ExceptionResponseMarshaller.h** 4410
src/main/activemq/wireformat/openwire/marshal/v2/**FlushCommandMarshaller.h** 4415
src/main/activemq/wireformat/openwire/marshal/v2/**IntegerResponseMarshaller.h** 4419
src/main/activemq/wireformat/openwire/marshal/v2/**JournalQueueAckMarshaller.h** 4424
src/main/activemq/wireformat/openwire/marshal/v2/**JournalTopicAckMarshaller.h** 4428
src/main/activemq/wireformat/openwire/marshal/v2/**JournalTraceMarshaller.h** 4433
src/main/activemq/wireformat/openwire/marshal/v2/**JournalTransactionMarshaller.h** 4437
src/main/activemq/wireformat/openwire/marshal/v2/**KeepAliveInfoMarshaller.h** 4442
src/main/activemq/wireformat/openwire/marshal/v2/**LastPartialCommandMarshaller.h** 4446
src/main/activemq/wireformat/openwire/marshal/v2/**LocalTransactionIdMarshaller.h** 4451
src/main/activemq/wireformat/openwire/marshal/v2/**MarshallerFactory.h** . 4455
src/main/activemq/wireformat/openwire/marshal/v2/**MessageAckMarshaller.h** 4458

src/main/activemq/wireformat/openwire/marshal/v2/**MessageDispatchMarshaller.h** 4463
src/main/activemq/wireformat/openwire/marshal/v2/**MessageDispatchNotificationMarshaller.h** 4467
src/main/activemq/wireformat/openwire/marshal/v2/**MessageIdMarshaller.h** 4472
src/main/activemq/wireformat/openwire/marshal/v2/**MessageMarshaller.h** . 4476
src/main/activemq/wireformat/openwire/marshal/v2/**MessagePullMarshaller.h** 4481
src/main/activemq/wireformat/openwire/marshal/v2/**NetworkBridgeFilterMarshaller.h** 4485
src/main/activemq/wireformat/openwire/marshal/v2/**PartialCommandMarshaller.h** 4490
src/main/activemq/wireformat/openwire/marshal/v2/**ProducerAckMarshaller.h** 4494
src/main/activemq/wireformat/openwire/marshal/v2/**ProducerIdMarshaller.h** 4499
src/main/activemq/wireformat/openwire/marshal/v2/**ProducerInfoMarshaller.h** 4503
src/main/activemq/wireformat/openwire/marshal/v2/**RemoveInfoMarshaller.h** 4508
src/main/activemq/wireformat/openwire/marshal/v2/**RemoveSubscriptionInfoMarshaller.h** 4512
src/main/activemq/wireformat/openwire/marshal/v2/**ReplayCommandMarshaller.h** 4517
src/main/activemq/wireformat/openwire/marshal/v2/**ResponseMarshaller.h** 4521
src/main/activemq/wireformat/openwire/marshal/v2/**SessionIdMarshaller.h** 4526
src/main/activemq/wireformat/openwire/marshal/v2/**SessionInfoMarshaller.h** 4530
src/main/activemq/wireformat/openwire/marshal/v2/**ShutdownInfoMarshaller.h** 4535
src/main/activemq/wireformat/openwire/marshal/v2/**SubscriptionInfoMarshaller.h** 4539
src/main/activemq/wireformat/openwire/marshal/v2/**TransactionIdMarshaller.h** 4544
src/main/activemq/wireformat/openwire/marshal/v2/**TransactionInfoMarshaller.h** 4548
src/main/activemq/wireformat/openwire/marshal/v2/**WireFormatInfoMarshaller.h** 4553
src/main/activemq/wireformat/openwire/marshal/v2/**XATransactionIdMarshaller.h** 4557
src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQBlobMessageMarshaller.h** 4285
src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQBytesMessageMarshaller.h** 4289
src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQDestinationMarshaller.h** 4294

src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQMapMessageMarshaller.h** 4298
src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQMessageMarshaller.h** 4303
src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQObjectMessageMarshaller.h** 4307
src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQQueueMarshaller.h** 4312
src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQStreamMessageMarshaller.h** 4316
src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQTempDestinationMarshaller.h** 4321
src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQTempQueueMarshaller.h** 4326
src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQTempTopicMarshaller.h** 4330
src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQTextMessageMarshaller.h** 4335
src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQTopicMarshaller.h** 4339
src/main/activemq/wireformat/openwire/marshal/v3/**BaseCommandMarshaller.h** 4344
src/main/activemq/wireformat/openwire/marshal/v3/**BrokerIdMarshaller.h** 4348
src/main/activemq/wireformat/openwire/marshal/v3/**BrokerInfoMarshaller.h** 4352
src/main/activemq/wireformat/openwire/marshal/v3/**ConnectionControlMarshaller.h** 4357
src/main/activemq/wireformat/openwire/marshal/v3/**ConnectionErrorMarshaller.h** 4361
src/main/activemq/wireformat/openwire/marshal/v3/**ConnectionIdMarshaller.h** 4366
src/main/activemq/wireformat/openwire/marshal/v3/**ConnectionInfoMarshaller.h** 4370
src/main/activemq/wireformat/openwire/marshal/v3/**ConsumerControlMarshaller.h** 4375
src/main/activemq/wireformat/openwire/marshal/v3/**ConsumerIdMarshaller.h** 4379
src/main/activemq/wireformat/openwire/marshal/v3/**ConsumerInfoMarshaller.h** 4384
src/main/activemq/wireformat/openwire/marshal/v3/**ControlCommandMarshaller.h** 4388
src/main/activemq/wireformat/openwire/marshal/v3/**DataArrayResponseMarshaller.h** 4393
src/main/activemq/wireformat/openwire/marshal/v3/**DataResponseMarshaller.h** 4397
src/main/activemq/wireformat/openwire/marshal/v3/**DestinationInfoMarshaller.h** 4402
src/main/activemq/wireformat/openwire/marshal/v3/**DiscoveryEventMarshaller.h** 4406

src/main/activemq/wireformat/openwire/marshal/v3/**ExceptionResponseMarshaller.h** 4411
src/main/activemq/wireformat/openwire/marshal/v3/**FlushCommandMarshaller.h** 4415
src/main/activemq/wireformat/openwire/marshal/v3/**IntegerResponseMarshaller.h** 4420
src/main/activemq/wireformat/openwire/marshal/v3/**JournalQueueAckMarshaller.h** 4424
src/main/activemq/wireformat/openwire/marshal/v3/**JournalTopicAckMarshaller.h** 4429
src/main/activemq/wireformat/openwire/marshal/v3/**JournalTraceMarshaller.h** 4433
src/main/activemq/wireformat/openwire/marshal/v3/**JournalTransactionMarshaller.h** 4438
src/main/activemq/wireformat/openwire/marshal/v3/**KeepAliveInfoMarshaller.h** 4442
src/main/activemq/wireformat/openwire/marshal/v3/**LastPartialCommandMarshaller.h** 4447
src/main/activemq/wireformat/openwire/marshal/v3/**LocalTransactionIdMarshaller.h** 4451
src/main/activemq/wireformat/openwire/marshal/v3/**MarshallerFactory.h** . 4455
src/main/activemq/wireformat/openwire/marshal/v3/**MessageAckMarshaller.h** 4459
src/main/activemq/wireformat/openwire/marshal/v3/**MessageDispatchMarshaller.h** 4464
src/main/activemq/wireformat/openwire/marshal/v3/**MessageDispatchNotificationMarshaller.h** 4468
src/main/activemq/wireformat/openwire/marshal/v3/**MessageIdMarshaller.h** 4473
src/main/activemq/wireformat/openwire/marshal/v3/**MessageMarshaller.h** . 4477
src/main/activemq/wireformat/openwire/marshal/v3/**MessagePullMarshaller.h** 4482
src/main/activemq/wireformat/openwire/marshal/v3/**NetworkBridgeFilterMarshaller.h** 4486
src/main/activemq/wireformat/openwire/marshal/v3/**PartialCommandMarshaller.h** 4491
src/main/activemq/wireformat/openwire/marshal/v3/**ProducerAckMarshaller.h** 4495
src/main/activemq/wireformat/openwire/marshal/v3/**ProducerIdMarshaller.h** 4500
src/main/activemq/wireformat/openwire/marshal/v3/**ProducerInfoMarshaller.h** 4504
src/main/activemq/wireformat/openwire/marshal/v3/**RemoveInfoMarshaller.h** 4509
src/main/activemq/wireformat/openwire/marshal/v3/**RemoveSubscriptionInfoMarshaller.h** 4513
src/main/activemq/wireformat/openwire/marshal/v3/**ReplayCommandMarshaller.h** 4518
src/main/activemq/wireformat/openwire/marshal/v3/**ResponseMarshaller.h** 4522

src/main/activemq/wireformat/openwire/marshal/v3/**SessionIdMarshaller.h** 4526
src/main/activemq/wireformat/openwire/marshal/v3/**SessionInfoMarshaller.h** 4531
src/main/activemq/wireformat/openwire/marshal/v3/**ShutdownInfoMarshaller.h** 4535
src/main/activemq/wireformat/openwire/marshal/v3/**SubscriptionInfoMarshaller.h** 4540
src/main/activemq/wireformat/openwire/marshal/v3/**TransactionIdMarshaller.h** 4544
src/main/activemq/wireformat/openwire/marshal/v3/**TransactionInfoMarshaller.h** 4549
src/main/activemq/wireformat/openwire/marshal/v3/**WireFormatInfoMarshaller.h** 4553
src/main/activemq/wireformat/openwire/marshal/v3/**XATransactionIdMarshaller.h** 4558
src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQBlobMessageMarshaller.h** 4285
src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQBytesMessageMarshaller.h** 4290
src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQDestinationMarshaller.h** 4294
src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQMapMessageMarshaller.h** 4299
src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQMessageMarshaller.h** 4303
src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQObjectMessageMarshaller.h** 4308
src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQQueueMarshaller.h** 4312
src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQStreamMessageMarshaller.h** 4317
src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQTempDestinationMarshaller.h** 4322
src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQTempQueueMarshaller.h** 4326
src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQTempTopicMarshaller.h** 4331
src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQTextMessageMarshaller.h** 4335
src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQTopicMarshaller.h** 4340
src/main/activemq/wireformat/openwire/marshal/v4/**BaseCommandMarshaller.h** 4344
src/main/activemq/wireformat/openwire/marshal/v4/**BrokerIdMarshaller.h** 4349
src/main/activemq/wireformat/openwire/marshal/v4/**BrokerInfoMarshaller.h** 4353
src/main/activemq/wireformat/openwire/marshal/v4/**ConnectionControlMarshaller.h** 4358

src/main/activemq/wireformat/openwire/marshal/v4/**ConnectionErrorMarshaller.h** 4362
src/main/activemq/wireformat/openwire/marshal/v4/**ConnectionIdMarshaller.h** 4367
src/main/activemq/wireformat/openwire/marshal/v4/**ConnectionInfoMarshaller.h** 4371
src/main/activemq/wireformat/openwire/marshal/v4/**ConsumerControlMarshaller.h** 4376
src/main/activemq/wireformat/openwire/marshal/v4/**ConsumerIdMarshaller.h** 4380
src/main/activemq/wireformat/openwire/marshal/v4/**ConsumerInfoMarshaller.h** 4385
src/main/activemq/wireformat/openwire/marshal/v4/**ControlCommandMarshaller.h** 4389
src/main/activemq/wireformat/openwire/marshal/v4/**DataArrayResponseMarshaller.h** 4394
src/main/activemq/wireformat/openwire/marshal/v4/**DataResponseMarshaller.h** 4398
src/main/activemq/wireformat/openwire/marshal/v4/**DestinationInfoMarshaller.h** 4403
src/main/activemq/wireformat/openwire/marshal/v4/**DiscoveryEventMarshaller.h** 4407
src/main/activemq/wireformat/openwire/marshal/v4/**ExceptionResponseMarshaller.h** 4412
src/main/activemq/wireformat/openwire/marshal/v4/**FlushCommandMarshaller.h** 4416
src/main/activemq/wireformat/openwire/marshal/v4/**IntegerResponseMarshaller.h** 4421
src/main/activemq/wireformat/openwire/marshal/v4/**JournalQueueAckMarshaller.h** 4425
src/main/activemq/wireformat/openwire/marshal/v4/**JournalTopicAckMarshaller.h** 4430
src/main/activemq/wireformat/openwire/marshal/v4/**JournalTraceMarshaller.h** 4434
src/main/activemq/wireformat/openwire/marshal/v4/**JournalTransactionMarshaller.h** 4439
src/main/activemq/wireformat/openwire/marshal/v4/**KeepAliveInfoMarshaller.h** 4443
src/main/activemq/wireformat/openwire/marshal/v4/**LastPartialCommandMarshaller.h** 4448
src/main/activemq/wireformat/openwire/marshal/v4/**LocalTransactionIdMarshaller.h** 4452
src/main/activemq/wireformat/openwire/marshal/v4/**MarshallerFactory.h** . 4456
src/main/activemq/wireformat/openwire/marshal/v4/**MessageAckMarshaller.h** 4460
src/main/activemq/wireformat/openwire/marshal/v4/**MessageDispatchMarshaller.h** 4464
src/main/activemq/wireformat/openwire/marshal/v4/**MessageDispatchNotificationMarshaller.h** 4469

src/main/activemq/wireformat/openwire/marshal/v4/**MessageIdMarshaller.h** 4473
src/main/activemq/wireformat/openwire/marshal/v4/**MessageMarshaller.h** . 4478
src/main/activemq/wireformat/openwire/marshal/v4/**MessagePullMarshaller.h** 4482
src/main/activemq/wireformat/openwire/marshal/v4/**NetworkBridgeFilterMarshaller.h** 4487
src/main/activemq/wireformat/openwire/marshal/v4/**PartialCommandMarshaller.h** 4491
src/main/activemq/wireformat/openwire/marshal/v4/**ProducerAckMarshaller.h** 4496
src/main/activemq/wireformat/openwire/marshal/v4/**ProducerIdMarshaller.h** 4500
src/main/activemq/wireformat/openwire/marshal/v4/**ProducerInfoMarshaller.h** 4505
src/main/activemq/wireformat/openwire/marshal/v4/**RemoveInfoMarshaller.h** 4509
src/main/activemq/wireformat/openwire/marshal/v4/**RemoveSubscriptionInfoMarshaller.h** 4514
src/main/activemq/wireformat/openwire/marshal/v4/**ReplayCommandMarshaller.h** 4518
src/main/activemq/wireformat/openwire/marshal/v4/**ResponseMarshaller.h** 4523
src/main/activemq/wireformat/openwire/marshal/v4/**SessionIdMarshaller.h** 4527
src/main/activemq/wireformat/openwire/marshal/v4/**SessionInfoMarshaller.h** 4532
src/main/activemq/wireformat/openwire/marshal/v4/**ShutdownInfoMarshaller.h** 4536
src/main/activemq/wireformat/openwire/marshal/v4/**SubscriptionInfoMarshaller.h** 4541
src/main/activemq/wireformat/openwire/marshal/v4/**TransactionIdMarshaller.h** 4545
src/main/activemq/wireformat/openwire/marshal/v4/**TransactionInfoMarshaller.h** 4550
src/main/activemq/wireformat/openwire/marshal/v4/**WireFormatInfoMarshaller.h** 4554
src/main/activemq/wireformat/openwire/marshal/v4/**XATransactionIdMarshaller.h** 4559
src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQBlobMessageMarshaller.h** 4286
src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQBytesMessageMarshaller.h** 4291
src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQDestinationMarshaller.h** 4295
src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQMapMessageMarshaller.h** 4300
src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQMessageMarshaller.h** 4304

src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQObjectMessageMarshaller.h** 4309
src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQQueueMarshaller.h** 4313
src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQStreamMessageMarshaller.h** 4318
src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQTempDestinationMarshaller.h** 4322
src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQTempQueueMarshaller.h** 4327
src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQTempTopicMarshaller.h** 4332
src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQTextMessageMarshaller.h** 4336
src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQTopicMarshaller.h** 4341
src/main/activemq/wireformat/openwire/marshal/v5/**BaseCommandMarshaller.h** 4345
src/main/activemq/wireformat/openwire/marshal/v5/**BrokerIdMarshaller.h** 4349
src/main/activemq/wireformat/openwire/marshal/v5/**BrokerInfoMarshaller.h** 4354
src/main/activemq/wireformat/openwire/marshal/v5/**ConnectionControlMarshaller.h** 4358
src/main/activemq/wireformat/openwire/marshal/v5/**ConnectionErrorMarshaller.h** 4363
src/main/activemq/wireformat/openwire/marshal/v5/**ConnectionIdMarshaller.h** 4367
src/main/activemq/wireformat/openwire/marshal/v5/**ConnectionInfoMarshaller.h** 4372
src/main/activemq/wireformat/openwire/marshal/v5/**ConsumerControlMarshaller.h** 4376
src/main/activemq/wireformat/openwire/marshal/v5/**ConsumerIdMarshaller.h** 4381
src/main/activemq/wireformat/openwire/marshal/v5/**ConsumerInfoMarshaller.h** 4385
src/main/activemq/wireformat/openwire/marshal/v5/**ControlCommandMarshaller.h** 4390
src/main/activemq/wireformat/openwire/marshal/v5/**DataArrayResponseMarshaller.h** 4394
src/main/activemq/wireformat/openwire/marshal/v5/**DataResponseMarshaller.h** 4399
src/main/activemq/wireformat/openwire/marshal/v5/**DestinationInfoMarshaller.h** 4403
src/main/activemq/wireformat/openwire/marshal/v5/**DiscoveryEventMarshaller.h** 4408
src/main/activemq/wireformat/openwire/marshal/v5/**ExceptionResponseMarshaller.h** 4412
src/main/activemq/wireformat/openwire/marshal/v5/**FlushCommandMarshaller.h** 4417

src/main/activemq/wireformat/openwire/marshal/v5/**IntegerResponseMarshaller.h** 4421
src/main/activemq/wireformat/openwire/marshal/v5/**JournalQueueAckMarshaller.h** 4426
src/main/activemq/wireformat/openwire/marshal/v5/**JournalTopicAckMarshaller.h** 4430
src/main/activemq/wireformat/openwire/marshal/v5/**JournalTraceMarshaller.h** 4435
src/main/activemq/wireformat/openwire/marshal/v5/**JournalTransactionMarshaller.h** 4439
src/main/activemq/wireformat/openwire/marshal/v5/**KeepAliveInfoMarshaller.h** 4444
src/main/activemq/wireformat/openwire/marshal/v5/**LastPartialCommandMarshaller.h** 4448
src/main/activemq/wireformat/openwire/marshal/v5/**LocalTransactionIdMarshaller.h** 4453
src/main/activemq/wireformat/openwire/marshal/v5/**MarshallerFactory.h** . 4456
src/main/activemq/wireformat/openwire/marshal/v5/**MessageAckMarshaller.h** 4461
src/main/activemq/wireformat/openwire/marshal/v5/**MessageDispatchMarshaller.h** 4465
src/main/activemq/wireformat/openwire/marshal/v5/**MessageDispatchNotificationMarshaller.h** 4470
src/main/activemq/wireformat/openwire/marshal/v5/**MessageIdMarshaller.h** 4474
src/main/activemq/wireformat/openwire/marshal/v5/**MessageMarshaller.h** . 4479
src/main/activemq/wireformat/openwire/marshal/v5/**MessagePullMarshaller.h** 4483
src/main/activemq/wireformat/openwire/marshal/v5/**NetworkBridgeFilterMarshaller.h** 4488
src/main/activemq/wireformat/openwire/marshal/v5/**PartialCommandMarshaller.h** 4492
src/main/activemq/wireformat/openwire/marshal/v5/**ProducerAckMarshaller.h** 4497
src/main/activemq/wireformat/openwire/marshal/v5/**ProducerIdMarshaller.h** 4501
src/main/activemq/wireformat/openwire/marshal/v5/**ProducerInfoMarshaller.h** 4506
src/main/activemq/wireformat/openwire/marshal/v5/**RemoveInfoMarshaller.h** 4510
src/main/activemq/wireformat/openwire/marshal/v5/**RemoveSubscriptionInfoMarshaller.h** 4515
src/main/activemq/wireformat/openwire/marshal/v5/**ReplayCommandMarshaller.h** 4519
src/main/activemq/wireformat/openwire/marshal/v5/**ResponseMarshaller.h** 4524
src/main/activemq/wireformat/openwire/marshal/v5/**SessionIdMarshaller.h** 4528
src/main/activemq/wireformat/openwire/marshal/v5/**SessionInfoMarshaller.h** 4532

src/main/activemq/wireformat/openwire/marshal/v5/**ShutdownInfoMarshaller.h** 4537
src/main/activemq/wireformat/openwire/marshal/v5/**SubscriptionInfoMarshaller.h** 4541
src/main/activemq/wireformat/openwire/marshal/v5/**TransactionIdMarshaller.h** 4546
src/main/activemq/wireformat/openwire/marshal/v5/**TransactionInfoMarshaller.h** 4550
src/main/activemq/wireformat/openwire/marshal/v5/**WireFormatInfoMarshaller.h** 4555
src/main/activemq/wireformat/openwire/marshal/v5/**XATransactionIdMarshaller.h** 4559
src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQBlobMessageMarshaller.h** 4287
src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQBytesMessageMarshaller.h** 4291
src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQDestinationMarshaller.h** 4296
src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQMapMessageMarshaller.h** 4300
src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQMessageMarshaller.h** 4305
src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQObjectMessageMarshaller.h** 4309
src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQQueueMarshaller.h** 4314
src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQStreamMessageMarshaller.h** 4319
src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQTempDestinationMarshaller.h** 4323
src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQTempQueueMarshaller.h** 4328
src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQTempTopicMarshaller.h** 4332
src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQTextMessageMarshaller.h** 4337
src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQTopicMarshaller.h** 4341
src/main/activemq/wireformat/openwire/marshal/v6/**BaseCommandMarshaller.h** 4346
src/main/activemq/wireformat/openwire/marshal/v6/**BrokerIdMarshaller.h** 4350
src/main/activemq/wireformat/openwire/marshal/v6/**BrokerInfoMarshaller.h** 4355
src/main/activemq/wireformat/openwire/marshal/v6/**ConnectionControlMarshaller.h** 4359
src/main/activemq/wireformat/openwire/marshal/v6/**ConnectionErrorMarshaller.h** 4364
src/main/activemq/wireformat/openwire/marshal/v6/**ConnectionIdMarshaller.h** 4368

src/main/activemq/wireformat/openwire/marshal/v6/**ConnectionInfoMarshaller.h** 4373
src/main/activemq/wireformat/openwire/marshal/v6/**ConsumerControlMarshaller.h** 4377
src/main/activemq/wireformat/openwire/marshal/v6/**ConsumerIdMarshaller.h** 4382
src/main/activemq/wireformat/openwire/marshal/v6/**ConsumerInfoMarshaller.h** 4386
src/main/activemq/wireformat/openwire/marshal/v6/**ControlCommandMarshaller.h** 4391
src/main/activemq/wireformat/openwire/marshal/v6/**DataArrayResponseMarshaller.h** 4395
src/main/activemq/wireformat/openwire/marshal/v6/**DataResponseMarshaller.h** 4400
src/main/activemq/wireformat/openwire/marshal/v6/**DestinationInfoMarshaller.h** 4404
src/main/activemq/wireformat/openwire/marshal/v6/**DiscoveryEventMarshaller.h** 4409
src/main/activemq/wireformat/openwire/marshal/v6/**ExceptionResponseMarshaller.h** 4413
src/main/activemq/wireformat/openwire/marshal/v6/**FlushCommandMarshaller.h** 4418
src/main/activemq/wireformat/openwire/marshal/v6/**IntegerResponseMarshaller.h** 4422
src/main/activemq/wireformat/openwire/marshal/v6/**JournalQueueAckMarshaller.h** 4427
src/main/activemq/wireformat/openwire/marshal/v6/**JournalTopicAckMarshaller.h** 4431
src/main/activemq/wireformat/openwire/marshal/v6/**JournalTraceMarshaller.h** 4436
src/main/activemq/wireformat/openwire/marshal/v6/**JournalTransactionMarshaller.h** 4440
src/main/activemq/wireformat/openwire/marshal/v6/**KeepAliveInfoMarshaller.h** 4445
src/main/activemq/wireformat/openwire/marshal/v6/**LastPartialCommandMarshaller.h** 4449
src/main/activemq/wireformat/openwire/marshal/v6/**LocalTransactionIdMarshaller.h** 4454
src/main/activemq/wireformat/openwire/marshal/v6/**MarshallerFactory.h** . 4457
src/main/activemq/wireformat/openwire/marshal/v6/**MessageAckMarshaller.h** 4461
src/main/activemq/wireformat/openwire/marshal/v6/**MessageDispatchMarshaller.h** 4466
src/main/activemq/wireformat/openwire/marshal/v6/**MessageDispatchNotificationMarshaller.h** 4470
src/main/activemq/wireformat/openwire/marshal/v6/**MessageIdMarshaller.h** 4475
src/main/activemq/wireformat/openwire/marshal/v6/**MessageMarshaller.h** . 4479
src/main/activemq/wireformat/openwire/marshal/v6/**MessagePullMarshaller.h** 4484

src/main/activemq/wireformat/openwire/marshal/v6/**NetworkBridgeFilterMarshaller.h** 4488
src/main/activemq/wireformat/openwire/marshal/v6/**PartialCommandMarshaller.h** 4493
src/main/activemq/wireformat/openwire/marshal/v6/**ProducerAckMarshaller.h** 4497
src/main/activemq/wireformat/openwire/marshal/v6/**ProducerIdMarshaller.h** 4502
src/main/activemq/wireformat/openwire/marshal/v6/**ProducerInfoMarshaller.h** 4506
src/main/activemq/wireformat/openwire/marshal/v6/**RemoveInfoMarshaller.h** 4511
src/main/activemq/wireformat/openwire/marshal/v6/**RemoveSubscriptionInfoMarshaller.h** 4515
src/main/activemq/wireformat/openwire/marshal/v6/**ReplayCommandMarshaller.h** 4520
src/main/activemq/wireformat/openwire/marshal/v6/**ResponseMarshaller.h** 4524
src/main/activemq/wireformat/openwire/marshal/v6/**SessionIdMarshaller.h** 4529
src/main/activemq/wireformat/openwire/marshal/v6/**SessionInfoMarshaller.h** 4533
src/main/activemq/wireformat/openwire/marshal/v6/**ShutdownInfoMarshaller.h** 4538
src/main/activemq/wireformat/openwire/marshal/v6/**SubscriptionInfoMarshaller.h** 4542
src/main/activemq/wireformat/openwire/marshal/v6/**TransactionIdMarshaller.h** 4547
src/main/activemq/wireformat/openwire/marshal/v6/**TransactionInfoMarshaller.h** 4551
src/main/activemq/wireformat/openwire/marshal/v6/**WireFormatInfoMarshaller.h** 4556
src/main/activemq/wireformat/openwire/marshal/v6/**XATransactionIdMarshaller.h** 4560
src/main/activemq/wireformat/openwire/utils/**BooleanStream.h** 4564
src/main/activemq/wireformat/openwire/utils/**HexTable.h** 4564
src/main/activemq/wireformat/openwire/utils/**MessagePropertyInterceptor.h** 4565
src/main/activemq/wireformat/stomp/**StompCommandConstants.h** 4565
src/main/activemq/wireformat/stomp/**StompFrame.h** 4566
src/main/activemq/wireformat/stomp/**StompHelper.h** 4567
src/main/activemq/wireformat/stomp/**StompWireFormat.h** 4567
src/main/activemq/wireformat/stomp/**StompWireFormatFactory.h** 4568
src/main/cms/**BytesMessage.h** 4571
src/main/cms/**Closeable.h** 4572
src/main/cms/**CMSException.h** 4573
src/main/cms/**CMSProperties.h** 4573
src/main/cms/**CMSSecurityException.h** 4574
src/main/cms/**Config.h** 4275
src/main/cms/**Connection.h** 4574

src/main/cms/**ConnectionFactory.h** 4575
src/main/cms/**ConnectionMetaData.h** 4575
src/main/cms/**DeliveryMode.h** 4576
src/main/cms/**Destination.h** 4576
src/main/cms/**ExceptionListener.h** 4576
src/main/cms/**IllegalStateException.h** 4577
src/main/cms/**InvalidClientIdException.h** 4578
src/main/cms/**InvalidDestinationException.h** 4578
src/main/cms/**InvalidSelectorException.h** 4579
src/main/cms/**MapMessage.h** 4579
src/main/cms/**Message.h** 4212
src/main/cms/**MessageConsumer.h** 4580
src/main/cms/**MessageEnumeration.h** 4580
src/main/cms/**MessageEOFException.h** 4581
src/main/cms/**MessageFormatException.h** 4581
src/main/cms/**MessageListener.h** 4582
src/main/cms/**MessageNotReadableException.h** 4582
src/main/cms/**MessageNotWriteableException.h** 4583
src/main/cms/**MessageProducer.h** 4583
src/main/cms/**ObjectMessage.h** 4584
src/main/cms/**Queue.h** 4584
src/main/cms/**QueueBrowser.h** 4585
src/main/cms/**Session.h** 4586
src/main/cms/**Startable.h** 4587
src/main/cms/**Stoppable.h** 4587
src/main/cms/**StreamMessage.h** 4587
src/main/cms/**TemporaryQueue.h** 4588
src/main/cms/**TemporaryTopic.h** 4588
src/main/cms/**TextMessage.h** 4589
src/main/cms/**Topic.h** 4589
src/main/cms/**UnsupportedOperationException.h** 4590
src/main/decaf/internal/**AprPool.h** 4591
src/main/decaf/internal/**DecafRuntime.h** 4591
src/main/decaf/internal/io/**StandardErrorOutputStream.h** 4592
src/main/decaf/internal/io/**StandardInputStream.h** 4592
src/main/decaf/internal/io/**StandardOutputStream.h** 4593
src/main/decaf/internal/net/**DefaultServerSocketFactory.h** 4593
src/main/decaf/internal/net/**DefaultSocketFactory.h** 4594
src/main/decaf/internal/net/**Network.h** 4594
src/main/decaf/internal/net/**SocketFileDescriptor.h** 4595
src/main/decaf/internal/net/**URIEncoderDecoder.h** 4604
src/main/decaf/internal/net/**URIHelper.h** 4605
src/main/decaf/internal/net/**URIType.h** 4605
src/main/decaf/internal/net/ssl/**DefaultSSLContext.h** 4595
src/main/decaf/internal/net/ssl/**DefaultSSLServerSocketFactory.h** 4596
src/main/decaf/internal/net/ssl/**DefaultSSLSocketFactory.h** 4597
src/main/decaf/internal/net/ssl/openssl/**OpenSSLContextSpi.h** 4597
src/main/decaf/internal/net/ssl/openssl/**OpenSSLParameters.h** 4598
src/main/decaf/internal/net/ssl/openssl/**OpenSSLServerSocket.h** 4598
src/main/decaf/internal/net/ssl/openssl/**OpenSSLServerSocketFactory.h** . . 4599

src/main/decaf/internal/net/ssl/openssl/**OpenSSLSocket.h** 4600
src/main/decaf/internal/net/ssl/openssl/**OpenSSLSocketException.h** 4600
src/main/decaf/internal/net/ssl/openssl/**OpenSSLSocketFactory.h** 4601
src/main/decaf/internal/net/ssl/openssl/**OpenSSLSocketInputStream.h** . . . 4601
src/main/decaf/internal/net/ssl/openssl/**OpenSSLSocketOutputStream.h** . . 4602
src/main/decaf/internal/net/tcp/**TcpSocket.h** 4603
src/main/decaf/internal/net/tcp/**TcpSocketInputStream.h** 4603
src/main/decaf/internal/net/tcp/**TcpSocketOutputStream.h** 4604
src/main/decaf/internal/nio/**BufferFactory.h** 4606
src/main/decaf/internal/nio/**ByteArrayBuffer.h** 4607
src/main/decaf/internal/nio/**CharArrayBuffer.h** 4607
src/main/decaf/internal/nio/**DoubleArrayBuffer.h** 4608
src/main/decaf/internal/nio/**FloatArrayBuffer.h** 4609
src/main/decaf/internal/nio/**IntArrayBuffer.h** 4609
src/main/decaf/internal/nio/**LongArrayBuffer.h** 4610
src/main/decaf/internal/nio/**ShortArrayBuffer.h** 4610
src/main/decaf/internal/security/unix/**SecureRandomImpl.h** 4611
src/main/decaf/internal/security/windows/**SecureRandomImpl.h** 4612
src/main/decaf/internal/util/**ByteArrayAdapter.h** 4612
src/main/decaf/internal/util/**GenericResource.h** 4618
src/main/decaf/internal/util/**HexStringParser.h** 4618
src/main/decaf/internal/util/**Resource.h** 4619
src/main/decaf/internal/util/**ResourceLifecycleManager.h** 4185
src/main/decaf/internal/util/**TimerTaskHeap.h** 4619
src/main/decaf/internal/util/concurrent/**ConditionImpl.h** 4613
src/main/decaf/internal/util/concurrent/**MutexImpl.h** 4613
src/main/decaf/internal/util/concurrent/**SynchronizableImpl.h** 4614
src/main/decaf/internal/util/concurrent/**Transferer.h** 4614
src/main/decaf/internal/util/concurrent/**TransferQueue.h** 4615
src/main/decaf/internal/util/concurrent/**TransferStack.h** 4616
src/main/decaf/internal/util/concurrent/unix/**ConditionHandle.h** 4616
src/main/decaf/internal/util/concurrent/unix/**MutexHandle.h** 4617
src/main/decaf/internal/util/concurrent/windows/**ConditionHandle.h** 4617
src/main/decaf/internal/util/concurrent/windows/**MutexHandle.h** 4617
src/main/decaf/internal/util/zip/**crc32.h** 4620
src/main/decaf/internal/util/zip/**deflate.h** 4620
src/main/decaf/internal/util/zip/**gzguts.h** 4623
src/main/decaf/internal/util/zip/**inffast.h** 4625
src/main/decaf/internal/util/zip/**inffixed.h** 4626
src/main/decaf/internal/util/zip/**inflate.h** 4626
src/main/decaf/internal/util/zip/**inftrees.h** 4627
src/main/decaf/internal/util/zip/**trees.h** 4628
src/main/decaf/internal/util/zip/**zconf.h** 4630
src/main/decaf/internal/util/zip/**zlib.h** 4632
src/main/decaf/internal/util/zip/**zutil.h** 4636
src/main/decaf/io/**BlockingByteArrayInputStream.h** 4639
src/main/decaf/io/**BufferedInputStream.h** 4640
src/main/decaf/io/**BufferedOutputStream.h** 4640
src/main/decaf/io/**ByteArrayInputStream.h** 4641
src/main/decaf/io/**ByteArrayOutputStream.h** 4641

src/main/decaf/io/**Closeable.h** 4572
src/main/decaf/io/**DataInput.h** 4642
src/main/decaf/io/**DataInputStream.h** 4642
src/main/decaf/io/**DataOutput.h** 4643
src/main/decaf/io/**DataOutputStream.h** 4644
src/main/decaf/io/**EOFException.h** 4644
src/main/decaf/io/**FileDescriptor.h** 4645
src/main/decaf/io/**FilterInputStream.h** 4645
src/main/decaf/io/**FilterOutputStream.h** 4646
src/main/decaf/io/**Flushable.h** 4646
src/main/decaf/io/**InputStream.h** 4647
src/main/decaf/io/**InputStreamReader.h** 4647
src/main/decaf/io/**InterruptedIOException.h** 4648
src/main/decaf/io/**IOException.h** 4648
src/main/decaf/io/**OutputStream.h** 4649
src/main/decaf/io/**OutputStreamWriter.h** 4649
src/main/decaf/io/**PushbackInputStream.h** 4650
src/main/decaf/io/**Reader.h** 4650
src/main/decaf/io/**UnsupportedEncodingException.h** 4651
src/main/decaf/io/**UTFDataFormatException.h** 4651
src/main/decaf/io/**Writer.h** 4652
src/main/decaf/lang/**Appendable.h** 4652
src/main/decaf/lang/**ArrayPointer.h** 4653
src/main/decaf/lang/**Boolean.h** 4654
src/main/decaf/lang/**Byte.h** 4654
src/main/decaf/lang/**Character.h** 4655
src/main/decaf/lang/**CharSequence.h** 4655
src/main/decaf/lang/**Comparable.h** 4656
src/main/decaf/lang/**Double.h** 4656
src/main/decaf/lang/**Exception.h** 4657
src/main/decaf/lang/**Float.h** 4662
src/main/decaf/lang/**Integer.h** 4663
src/main/decaf/lang/**Iterable.h** 4663
src/main/decaf/lang/**Long.h** 4664
src/main/decaf/lang/**Math.h** 4664
src/main/decaf/lang/**Number.h** 4664
src/main/decaf/lang/**Pointer.h** 4665
src/main/decaf/lang/**Readable.h** 4666
src/main/decaf/lang/**Runnable.h** 4667
src/main/decaf/lang/**Runtime.h** 4667
src/main/decaf/lang/**Short.h** 4667
src/main/decaf/lang/**String.h** 4668
src/main/decaf/lang/**System.h** 4668
src/main/decaf/lang/**Thread.h** 4669
src/main/decaf/lang/**ThreadGroup.h** 4670
src/main/decaf/lang/**Throwable.h** 4670
src/main/decaf/lang/exceptions/**ClassCastException.h** 4657
src/main/decaf/lang/exceptions/**ExceptionDefines.h** 4240
src/main/decaf/lang/exceptions/**IllegalArgumentException.h** 4658
src/main/decaf/lang/exceptions/**IllegalMonitorStateException.h** 4658

src/main/decaf/lang/exceptions/**IllegalStateException.h** 4577
src/main/decaf/lang/exceptions/**IllegalThreadStateException.h** 4659
src/main/decaf/lang/exceptions/**IndexOutOfBoundsException.h** 4659
src/main/decaf/lang/exceptions/**InterruptedException.h** 4659
src/main/decaf/lang/exceptions/**InvalidStateException.h** 4660
src/main/decaf/lang/exceptions/**NoSuchElementException.h** 4660
src/main/decaf/lang/exceptions/**NullPointerException.h** 4661
src/main/decaf/lang/exceptions/**NumberFormatException.h** 4661
src/main/decaf/lang/exceptions/**RuntimeException.h** 4662
src/main/decaf/lang/exceptions/**UnsupportedOperationException.h** 4590
src/main/decaf/net/**BindException.h** 4671
src/main/decaf/net/**ConnectException.h** 4671
src/main/decaf/net/**HttpRetryException.h** 4672
src/main/decaf/net/**Inet4Address.h** 4672
src/main/decaf/net/**Inet6Address.h** 4672
src/main/decaf/net/**InetAddress.h** 4673
src/main/decaf/net/**InetSocketAddress.h** 4673
src/main/decaf/net/**MalformedURLException.h** 4674
src/main/decaf/net/**NoRouteToHostException.h** 4674
src/main/decaf/net/**PortUnreachableException.h** 4674
src/main/decaf/net/**ProtocolException.h** 4675
src/main/decaf/net/**ServerSocket.h** 4675
src/main/decaf/net/**ServerSocketFactory.h** 4676
src/main/decaf/net/**Socket.h** 4676
src/main/decaf/net/**SocketAddress.h** 4677
src/main/decaf/net/**SocketError.h** 4678
src/main/decaf/net/**SocketException.h** 4678
src/main/decaf/net/**SocketFactory.h** 4678
src/main/decaf/net/**SocketImpl.h** 4679
src/main/decaf/net/**SocketImplFactory.h** 4680
src/main/decaf/net/**SocketOptions.h** 4680
src/main/decaf/net/**SocketTimeoutException.h** 4680
src/main/decaf/net/**UnknownHostException.h** 4684
src/main/decaf/net/**UnknownServiceException.h** 4685
src/main/decaf/net/**URI.h** 4685
src/main/decaf/net/**URISyntaxException.h** 4686
src/main/decaf/net/**URL.h** 4686
src/main/decaf/net/**URLDecoder.h** 4687
src/main/decaf/net/**URLEncoder.h** 4687
src/main/decaf/net/ssl/**SSLContext.h** 4681
src/main/decaf/net/ssl/**SSLContextSpi.h** 4681
src/main/decaf/net/ssl/**SSLParameters.h** 4682
src/main/decaf/net/ssl/**SSLServerSocket.h** 4682
src/main/decaf/net/ssl/**SSLServerSocketFactory.h** 4683
src/main/decaf/net/ssl/**SSLSocket.h** 4683
src/main/decaf/net/ssl/**SSLSocketFactory.h** 4684
src/main/decaf/nio/**Buffer.h** 4687
src/main/decaf/nio/**BufferOverflowException.h** 4688
src/main/decaf/nio/**BufferUnderflowException.h** 4688
src/main/decaf/nio/**ByteBuffer.h** 4689

src/main/decaf/nio/**CharBuffer.h** 4689
src/main/decaf/nio/**DoubleBuffer.h** 4690
src/main/decaf/nio/**FloatBuffer.h** 4691
src/main/decaf/nio/**IntBuffer.h** 4691
src/main/decaf/nio/**InvalidMarkException.h** 4692
src/main/decaf/nio/**LongBuffer.h** 4692
src/main/decaf/nio/**ReadOnlyBufferException.h** 4693
src/main/decaf/nio/**ShortBuffer.h** 4693
src/main/decaf/security/**GeneralSecurityException.h** 4698
src/main/decaf/security/**InvalidKeyException.h** 4698
src/main/decaf/security/**Key.h** 4699
src/main/decaf/security/**KeyException.h** 4699
src/main/decaf/security/**KeyManagementException.h** 4700
src/main/decaf/security/**NoSuchAlgorithmException.h** 4700
src/main/decaf/security/**NoSuchProviderException.h** 4701
src/main/decaf/security/**Principal.h** 4701
src/main/decaf/security/**PublicKey.h** 4701
src/main/decaf/security/**SecureRandom.h** 4702
src/main/decaf/security/**SecureRandomSpi.h** 4702
src/main/decaf/security/**SignatureException.h** 4703
src/main/decaf/security/auth/x500/**X500Principal.h** 4694
src/main/decaf/security/cert/**Certificate.h** 4694
src/main/decaf/security/cert/**CertificateEncodingException.h** 4695
src/main/decaf/security/cert/**CertificateException.h** 4696
src/main/decaf/security/cert/**CertificateExpiredException.h** 4696
src/main/decaf/security/cert/**CertificateNotYetValidException.h** 4697
src/main/decaf/security/cert/**CertificateParsingException.h** 4697
src/main/decaf/security/cert/**X509Certificate.h** 4698
src/main/decaf/util/**AbstractCollection.h** 4703
src/main/decaf/util/**AbstractList.h** 4704
src/main/decaf/util/**AbstractMap.h** 4705
src/main/decaf/util/**AbstractQueue.h** 4705
src/main/decaf/util/**AbstractSequentialList.h** 4706
src/main/decaf/util/**AbstractSet.h** 4707
src/main/decaf/util/**Collection.h** 4707
src/main/decaf/util/**Comparator.h** 4708
src/main/decaf/util/**Config.h** 4275
src/main/decaf/util/**Date.h** 4729
src/main/decaf/util/**Iterator.h** 4729
src/main/decaf/util/**List.h** 4730
src/main/decaf/util/**ListIterator.h** 4730
src/main/decaf/util/**Map.h** 4742
src/main/decaf/util/**PriorityQueue.h** 4743
src/main/decaf/util/**Properties.h** 4743
src/main/decaf/util/**Queue.h** 4585
src/main/decaf/util/**Random.h** 4744
src/main/decaf/util/**Set.h** 4745
src/main/decaf/util/**StlList.h** 4745
src/main/decaf/util/**StlMap.h** 4746
src/main/decaf/util/**StlQueue.h** 4747

src/main/decaf/util/**StlSet.h** 4747
src/main/decaf/util/**StringTokenizer.h** 4748
src/main/decaf/util/**Timer.h** 4748
src/main/decaf/util/**TimerTask.h** 4749
src/main/decaf/util/**UUID.h** 4750
src/main/decaf/util/comparators/**Less.h** 4708
src/main/decaf/util/concurrent/**BlockingQueue.h** 4711
src/main/decaf/util/concurrent/**BrokenBarrierException.h** 4712
src/main/decaf/util/concurrent/**Callable.h** 4712
src/main/decaf/util/concurrent/**CancellationException.h** 4712
src/main/decaf/util/concurrent/**Concurrent.h** 4713
src/main/decaf/util/concurrent/**ConcurrentMap.h** 4714
src/main/decaf/util/concurrent/**ConcurrentStlMap.h** 4715
src/main/decaf/util/concurrent/**CountDownLatch.h** 4715
src/main/decaf/util/concurrent/**Delayed.h** 4716
src/main/decaf/util/concurrent/**ExecutionException.h** 4716
src/main/decaf/util/concurrent/**Executor.h** 4717
src/main/decaf/util/concurrent/**ExecutorService.h** 4717
src/main/decaf/util/concurrent/**Future.h** 4718
src/main/decaf/util/concurrent/**Lock.h** 4718
src/main/decaf/util/concurrent/**Mutex.h** 4722
src/main/decaf/util/concurrent/**PooledThread.h** 4722
src/main/decaf/util/concurrent/**PooledThreadListener.h** 4723
src/main/decaf/util/concurrent/**RejectedExecutionException.h** 4723
src/main/decaf/util/concurrent/**RejectedExecutionHandler.h** 4724
src/main/decaf/util/concurrent/**Semaphore.h** 4724
src/main/decaf/util/concurrent/**Synchronizable.h** 4725
src/main/decaf/util/concurrent/**SynchronousQueue.h** 4725
src/main/decaf/util/concurrent/**TaskListener.h** 4726
src/main/decaf/util/concurrent/**ThreadFactory.h** 4726
src/main/decaf/util/concurrent/**ThreadPool.h** 4727
src/main/decaf/util/concurrent/**TimeoutException.h** 4728
src/main/decaf/util/concurrent/**TimeUnit.h** 4728
src/main/decaf/util/concurrent/atomic/**AtomicBoolean.h** 4709
src/main/decaf/util/concurrent/atomic/**AtomicInteger.h** 4709
src/main/decaf/util/concurrent/atomic/**AtomicRefCounter.h** 4710
src/main/decaf/util/concurrent/atomic/**AtomicReference.h** 4710
src/main/decaf/util/concurrent/locks/**Condition.h** 4719
src/main/decaf/util/concurrent/locks/**Lock.h** 4719
src/main/decaf/util/concurrent/locks/**LockSupport.h** 4720
src/main/decaf/util/concurrent/locks/**ReadWriteLock.h** 4721
src/main/decaf/util/concurrent/locks/**ReentrantLock.h** 4721
src/main/decaf/util/logging/**ConsoleHandler.h** 4731
src/main/decaf/util/logging/**ErrorManager.h** 4731
src/main/decaf/util/logging/**Filter.h** 4732
src/main/decaf/util/logging/**Formatter.h** 4732
src/main/decaf/util/logging/**Handler.h** 4733
src/main/decaf/util/logging/**Level.h** 4734
src/main/decaf/util/logging/**Logger.h** 4734
src/main/decaf/util/logging/**LoggerCommon.h** 4735

src/main/decaf/util/logging/**LoggerDefines.h** 4735
src/main/decaf/util/logging/**LoggerHierarchy.h** 4737
src/main/decaf/util/logging/**LogManager.h** 4737
src/main/decaf/util/logging/**LogRecord.h** 4738
src/main/decaf/util/logging/**LogWriter.h** 4739
src/main/decaf/util/logging/**MarkBlockLogger.h** 4739
src/main/decaf/util/logging/**PropertiesChangeListener.h** 4740
src/main/decaf/util/logging/**SimpleFormatter.h** 4740
src/main/decaf/util/logging/**SimpleLogger.h** 4741
src/main/decaf/util/logging/**StreamHandler.h** 4741
src/main/decaf/util/logging/**XMLFormatter.h** 4742
src/main/decaf/util/zip/**Adler32.h** 4750
src/main/decaf/util/zip/**CheckedInputStream.h** 4751
src/main/decaf/util/zip/**CheckedOutputStream.h** 4751
src/main/decaf/util/zip/**Checksum.h** 4752
src/main/decaf/util/zip/**CRC32.h** 4752
src/main/decaf/util/zip/**DataFormatException.h** 4753
src/main/decaf/util/zip/**Deflater.h** 4753
src/main/decaf/util/zip/**DeflaterOutputStream.h** 4754
src/main/decaf/util/zip/**Inflater.h** 4754
src/main/decaf/util/zip/**InflaterInputStream.h** 4755
src/main/decaf/util/zip/**ZipException.h** 4756

Chapter 5

Namespace Documentation

5.1 activemq Namespace Reference

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

Namespaces

- namespace **cmsutil**
- namespace **commands**
- namespace **core**
- namespace **exceptions**
- namespace **io**
- namespace **library**
- namespace **state**
- namespace **threads**
- namespace **transport**
- namespace **util**
- namespace **wireformat**

5.1.1 Detailed Description

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

`http://www.apache.org/licenses/LICENSE-2.0`

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CON-

DITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

5.2 activemq::cmsutil Namespace Reference

Data Structures

- class **CachedConsumer**

  A cached message consumer contained within a pooled session.

- class **CachedProducer**

  A cached message producer contained within a pooled session.

- class **CmsAccessor**

  *Base class for **activemq.cmsutil.CmsTemplate** (p. 1201) and other CMS-accessing gateway helpers, defining common properties such as the CMS **cms.ConnectionFactory** (p. 1361) to operate on.*

- class **CmsDestinationAccessor**

  *Extends the **`CmsAccessor`** (p. 1183) to add support for resolving destination names.*

- class **CmsTemplate**

  `CmsTemplate` *(p. 1201) simplifies performing synchronous CMS operations.*

- class **DestinationResolver**

  Resolves a CMS destination name to a `Destination`.

- class **DynamicDestinationResolver**

  Resolves a CMS destination name to a `Destination`.

- class **MessageCreator**

  *Creates the user-defined message to be sent by the **`CmsTemplate`** (p. 1201).*

- class **PooledSession**

  A pooled session object that wraps around a delegate session.

- class **ProducerCallback**

  Callback for sending a message to a CMS destination.

- class **ResourceLifecycleManager**

  Manages the lifecycle of a set of CMS resources.

- class **SessionCallback**

  Callback for executing any number of operations on a provided CMS Session.

- class **SessionPool**

  A pool of CMS sessions from the same connection and with the same acknowledge mode.

5.3 activemq::commands Namespace Reference

Data Structures

- class **ActiveMQBlobMessage**
- class **ActiveMQBytesMessage**
- class **ActiveMQDestination**
- class **ActiveMQMapMessage**
- class **ActiveMQMessage**
- class **ActiveMQMessageTemplate**
- class **ActiveMQObjectMessage**
- class **ActiveMQQueue**
- class **ActiveMQStreamMessage**
- class **ActiveMQTempDestination**
- class **ActiveMQTempQueue**
- class **ActiveMQTempTopic**
- class **ActiveMQTextMessage**
- class **ActiveMQTopic**
- class **BaseCommand**
- class **BaseDataStructure**
- class **BooleanExpression**
- class **BrokerError**

  This class represents an Exception sent from the Broker.

- class **BrokerId**
- class **BrokerInfo**
- class **Command**
- class **ConnectionControl**
- class **ConnectionError**
- class **ConnectionId**
- class **ConnectionInfo**
- class **ConsumerControl**
- class **ConsumerId**
- class **ConsumerInfo**
- class **ControlCommand**
- class **DataArrayResponse**
- class **DataResponse**
- class **DataStructure**
- class **DestinationInfo**
- class **DiscoveryEvent**

- class **ExceptionResponse**
- class **FlushCommand**
- class **IntegerResponse**
- class **JournalQueueAck**
- class **JournalTopicAck**
- class **JournalTrace**
- class **JournalTransaction**
- class **KeepAliveInfo**
- class **LastPartialCommand**
- class **LocalTransactionId**
- class **Message**
- class **MessageAck**
- class **MessageDispatch**
- class **MessageDispatchNotification**
- class **MessageId**
- class **MessagePull**
- class **NetworkBridgeFilter**
- class **PartialCommand**
- class **ProducerAck**
- class **ProducerId**
- class **ProducerInfo**
- class **RemoveInfo**
- class **RemoveSubscriptionInfo**
- class **ReplayCommand**
- class **Response**
- class **SessionId**
- class **SessionInfo**
- class **ShutdownInfo**
- class **SubscriptionInfo**
- class **TransactionId**
- class **TransactionInfo**
- class **WireFormatInfo**
- class **XATransactionId**

5.4 activemq::core Namespace Reference

Namespaces

- namespace **policies**

Data Structures

- class **ActiveMQAckHandler**

  Interface class that is used to give CMS Messages an interface to Ack themselves with.

- class **ActiveMQConnection**

  Concrete connection used for all connectors to the ActiveMQ broker.

- class **ActiveMQConnectionFactory**
- class **ActiveMQConnectionMetaData**

  *This class houses all the various settings and information that is used by an instance of an **ActiveMQConnection** (p. 260) class.*

- class **ActiveMQConstants**

  Class holding constant values for various ActiveMQ specific things Each constant is defined as an enumeration and has functions that convert back an forth between string and enum values.

- class **ActiveMQConsumer**
- class **ActiveMQProducer**
- class **ActiveMQQueueBrowser**
- class **ActiveMQSession**
- class **ActiveMQSessionExecutor**

  Delegate dispatcher for a single session.

- class **ActiveMQTransactionContext**

  Transaction Management class, hold messages that are to be redelivered upon a request to roll-back.

- class **DispatchData**

  Simple POCO that contains the information necessary to route a message to a specified consumer.

- class **Dispatcher**

  Interface for an object responsible for dispatching messages to consumers.

- class **MessageDispatchChannel**
- class **PrefetchPolicy**

  Interface for a Policy object that controls message Prefetching on various destination types in ActiveMQ-CPP.

- class **RedeliveryPolicy**

  *Interface for a **RedeliveryPolicy** (p. 3267) object that controls how message Redelivery is handled in ActiveMQ-CPP when a transaction is rolled back.*

- class **Synchronization**

  *Transacted Object **Synchronization** (p. 3826), used to sync the events of a Transaction with the items in the Transaction.*

5.5 activemq::core::policies Namespace Reference

Data Structures

- class **DefaultPrefetchPolicy**
- class **DefaultRedeliveryPolicy**

5.6 activemq::exceptions Namespace Reference

Data Structures

- class **ActiveMQException**
- class **BrokerException**

5.7 activemq::io Namespace Reference

Data Structures

- class **LoggingInputStream**
- class **LoggingOutputStream**

  OutputStream filter that just logs the data being written.

5.8 activemq::library Namespace Reference

Data Structures

- class **ActiveMQCPP**

5.9 activemq::state Namespace Reference

Data Structures

- class **CommandVisitor**

  Interface for an Object that can visit the various Command Objects that are sent from and to this client.

- class **CommandVisitorAdapter**

  Default Implementation of a ***CommandVisitor*** *(*p. *1233) that returns NULL for all calls.*

- class **ConnectionState**

- class **ConnectionStateTracker**
- class **ConsumerState**
- class **ProducerState**
- class **SessionState**
- class **Tracked**
- class **TransactionState**

5.10 activemq::threads Namespace Reference

Data Structures

- class **CompositeTask**

  Represents a single task that can be part of a set of Tasks that are contained in a ***CompositeTaskRunner*** *(p. 1256).*

- class **CompositeTaskRunner**

  A ***Task*** *(p. 3846) Runner that can contain one or more CompositeTasks that are each checked for pending work and run if any is present in the order that the tasks were added.*

- class **DedicatedTaskRunner**
- class **Task**

  Represents a unit of work that requires one or more iterations to complete.

- class **TaskRunner**

5.11 activemq::transport Namespace Reference

Namespaces

- namespace **correlator**
- namespace **failover**
- namespace **inactivity**
- namespace **logging**
- namespace **mock**
- namespace **tcp**

Data Structures

- class **AbstractTransportFactory**

  Abstract implementation of the ***TransportFactory*** *(p. 4003) interface, providing the base functionality that's common to most of the* ***TransportFactory*** *(p. 4003) instances.*

- class **CompositeTransport**

*A Composite **Transport** (p. 3996) is a **Transport** (p. 3996) implementation that is composed of several Transports.*

- class **DefaultTransportListener**
- class **IOTransport**

  *Implementation of the **Transport** (p. 3996) interface that performs marshaling of commands to IO streams.*

- class **Transport**

  Interface for a transport layer for command objects.

- class **TransportFactory**

  Defines the interface for Factories that create Transports or TransportFilters.

- class **TransportFilter**

  A filter on the transport layer.

- class **TransportListener**

  A listener of asynchronous exceptions from a command transport object.

- class **TransportRegistry**

  *Registry of all **Transport** (p. 3996) Factories that are available to the client at runtime.*

5.12 activemq::transport::correlator Namespace Reference

Data Structures

- class **FutureResponse**

  A container that holds a response object.

- class **ResponseCorrelator**

  This type of transport filter is responsible for correlating asynchronous responses with requests.

5.13 activemq::transport::failover Namespace Reference

Data Structures

- class **BackupTransport**
- class **BackupTransportPool**
- class **CloseTransportsTask**
- class **FailoverTransport**

- class **FailoverTransportFactory**

  *Creates an instance of a **FailoverTransport** (p. 1930).*

- class **FailoverTransportListener**

  *Utility class used by the **Transport** (p. 3996) to perform the work of responding to events from the active **Transport** (p. 3996).*

- class **URIPool**

5.14 activemq::transport::inactivity Namespace Reference

Data Structures

- class **InactivityMonitor**
- class **ReadChecker**

  Runnable class that is used by the {.

- class **WriteChecker**

  Runnable class used by the {.

5.15 activemq::transport::logging Namespace Reference

Data Structures

- class **LoggingTransport**

  A transport filter that logs commands as they are sent/received.

5.16 activemq::transport::mock Namespace Reference

Data Structures

- class **InternalCommandListener**

  *Listens for Commands sent from the **MockTransport** (p. 2854).*

- class **MockTransport**

  *The **MockTransport** (p. 2854) defines a base level **Transport** (p. 3996) class that is intended to be used in place of an a regular protocol **Transport** (p. 3996) suck as TCP.*

- class **MockTransportFactory**

Manufactures MockTransports, which are objects that read from input streams and write to output streams.

- class **ResponseBuilder**

  Interface for all Protocols to implement that defines the behavior of the Broker in response to messages of that protocol.

5.17 activemq::transport::tcp Namespace Reference

Data Structures

- class **SslTransport**

  Transport *(p. 3996) for connecting to a Broker using an SSL Socket.*

- class **SslTransportFactory**
- class **TcpTransport**

  Implements a TCP/IP based transport filter, this transport is meant to wrap an instance of an ***IOTransport*** *(p. 2213).*

- class **TcpTransportFactory**

  Factory Responsible for creating the ***TcpTransport*** *(p. 3865).*

5.18 activemq::util Namespace Reference

Data Structures

- class **ActiveMQProperties**

  Implementation of the CMSProperties interface that delegates to a ***decaf::util::Properties*** *(p. 3216) object.*

- class **CMSExceptionSupport**
- class **CompositeData**

  Represents a Composite URI.

- class **IdGenerator**
- class **LongSequenceGenerator**

  This class is used to generate a sequence of long long values that are incremented each time a new value is requested.

- class **MarshallingSupport**
- class **MemoryUsage**
- class **PrimitiveList**

  List of primitives.

- class **PrimitiveMap**

  Map of named primitives.

- class **PrimitiveValueConverter**

  *Class controls the conversion of data contained in a **PrimitiveValueNode** (p. 3099) from one type to another.*

- class **PrimitiveValueNode**

  Class that wraps around a single value of one of the many types.

- class **URISupport**
- class **Usage**

5.19 activemq::wireformat Namespace Reference

Namespaces

- namespace **openwire**
- namespace **stomp**

Data Structures

- class **MarshalAware**
- class **WireFormat**

  Provides a mechanism to marshal commands into and out of packets or into and out of streams, Channels and Datagrams.

- class **WireFormatFactory**

  *The **WireFormatFactory** (p. 4092) is the interface that all **WireFormatFactory** (p. 4092) classes must extend.*

- class **WireFormatNegotiator**

  *Defines a **WireFormatNegotiator** (p. 4129) which allows a **WireFormat** (p. 4088) to.*

- class **WireFormatRegistry**

  *Registry of all **WireFormat** (p. 4088) Factories that are available to the client at run-time.*

5.20 activemq::wireformat::openwire Namespace Reference

Namespaces

- namespace **marshal**

- namespace **utils**

Data Structures

- class **OpenWireFormat**
- class **OpenWireFormatFactory**
- class **OpenWireFormatNegotiator**
- class **OpenWireResponseBuilder**

5.21 activemq::wireformat::openwire::marshal Namespace Reference

Namespaces

- namespace **v1**
- namespace **v2**
- namespace **v3**
- namespace **v4**
- namespace **v5**
- namespace **v6**

Data Structures

- class **BaseDataStreamMarshaller**

  Base class for all Marshallers that marshal DataStructures to and from the wire using the OpenWire protocol.

- class **DataStreamMarshaller**

  Base class for all classes that marshal commands for Openwire.

- class **PrimitiveTypesMarshaller**

  This class wraps the functionality needed to marshal a primitive map to the Openwire Format's expectation of what the map looks like on the wire.

5.22 activemq::wireformat::openwire::marshal::v1 Namespace Reference

Data Structures

- class **ActiveMQBlobMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller*** (p. *194*).

- class **ActiveMQBytesMessageMarshaller**

*Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 239).*

- class **ActiveMQDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 328).*

- class **ActiveMQMapMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 369).*

- class **ActiveMQMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 397).*

- class **ActiveMQObjectMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 445).*

- class **ActiveMQQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 491).*

- class **ActiveMQStreamMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 557).*

- class **ActiveMQTempDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 587).*

- class **ActiveMQTempQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 615).*

- class **ActiveMQTempTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 649).*

- class **ActiveMQTextMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 680).*

- class **ActiveMQTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 710).*

- class **BaseCommandMarshaller**

  *Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 786).*

- class **BrokerIdMarshaller**

  *Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 886).*

- class **BrokerInfoMarshaller**

  *Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 919).*

- class **ConnectionControlMarshaller**

Marshaling code for Open Wire Format for ***ConnectionControlMarshaller*** *(*p. *1315).*

- class **ConnectionErrorMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionErrorMarshaller*** *(*p. *1349).*

- class **ConnectionIdMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionIdMarshaller*** *(*p. *1381).*

- class **ConnectionInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionInfoMarshaller*** *(*p. *1412).*

- class **ConsumerControlMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerControlMarshaller*** *(*p. *1459).*

- class **ConsumerIdMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerIdMarshaller*** *(*p. *1489).*

- class **ConsumerInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerInfoMarshaller*** *(*p. *1522).*

- class **ControlCommandMarshaller**

  Marshaling code for Open Wire Format for ***ControlCommandMarshaller*** *(*p. *1552).*

- class **DataArrayResponseMarshaller**

  Marshaling code for Open Wire Format for ***DataArrayResponseMarshaller*** *(*p. *1587).*

- class **DataResponseMarshaller**

  Marshaling code for Open Wire Format for ***DataResponseMarshaller*** *(*p. *1656).*

- class **DestinationInfoMarshaller**

  Marshaling code for Open Wire Format for ***DestinationInfoMarshaller*** *(*p. *1797).*

- class **DiscoveryEventMarshaller**

  Marshaling code for Open Wire Format for ***DiscoveryEventMarshaller*** *(*p. *1831).*

- class **ExceptionResponseMarshaller**

  Marshaling code for Open Wire Format for ***ExceptionResponseMarshaller*** *(*p. *1919).*

- class **FlushCommandMarshaller**

  Marshaling code for Open Wire Format for ***FlushCommandMarshaller*** *(*p. *2019).*

- class **IntegerResponseMarshaller**

  Marshaling code for Open Wire Format for ***IntegerResponseMarshaller*** *(*p. *2180).*

- class **JournalQueueAckMarshaller**

  Marshaling code for Open Wire Format for ***JournalQueueAckMarshaller*** *(*p. *2248).*

- class **JournalTopicAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2277).*

- class **JournalTraceMarshaller**

  *Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2300).*

- class **JournalTransactionMarshaller**

  *Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2331).*

- class **KeepAliveInfoMarshaller**

  *Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2359).*

- class **LastPartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2395).*

- class **LocalTransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2446).*

- class **MarshallerFactory**

  Used to create marshallers for a specific version of the wire protocol.

- class **MessageAckMarshaller**

  *Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2665).*

- class **MessageDispatchMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2707).*

- class **MessageDispatchNotificationMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2737).*

- class **MessageIdMarshaller**

  *Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2775).*

- class **MessageMarshaller**

  *Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2798).*

- class **MessagePullMarshaller**

  *Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2845).*

- class **NetworkBridgeFilterMarshaller**

  *Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2901).*

- class **PartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3028).*

- class **ProducerAckMarshaller**

  Marshaling code for Open Wire Format for ***ProducerAckMarshaller*** *(*p. *3150).*

- class **ProducerIdMarshaller**

  Marshaling code for Open Wire Format for ***ProducerIdMarshaller*** *(*p. *3181).*

- class **ProducerInfoMarshaller**

  Marshaling code for Open Wire Format for ***ProducerInfoMarshaller*** *(*p. *3199).*

- class **RemoveInfoMarshaller**

  Marshaling code for Open Wire Format for ***RemoveInfoMarshaller*** *(*p. *3300).*

- class **RemoveSubscriptionInfoMarshaller**

  Marshaling code for Open Wire Format for ***RemoveSubscriptionInfoMarshaller*** *(*p. *3318).*

- class **ReplayCommandMarshaller**

  Marshaling code for Open Wire Format for ***ReplayCommandMarshaller*** *(*p. *3351).*

- class **ResponseMarshaller**

  Marshaling code for Open Wire Format for ***ResponseMarshaller*** *(*p. *3408).*

- class **SessionIdMarshaller**

  Marshaling code for Open Wire Format for ***SessionIdMarshaller*** *(*p. *3501).*

- class **SessionInfoMarshaller**

  Marshaling code for Open Wire Format for ***SessionInfoMarshaller*** *(*p. *3517).*

- class **ShutdownInfoMarshaller**

  Marshaling code for Open Wire Format for ***ShutdownInfoMarshaller*** *(*p. *3584).*

- class **SubscriptionInfoMarshaller**

  Marshaling code for Open Wire Format for ***SubscriptionInfoMarshaller*** *(*p. *3791).*

- class **TransactionIdMarshaller**

  Marshaling code for Open Wire Format for ***TransactionIdMarshaller*** *(*p. *3939).*

- class **TransactionInfoMarshaller**

  Marshaling code for Open Wire Format for ***TransactionInfoMarshaller*** *(*p. *3968).*

- class **WireFormatInfoMarshaller**

  Marshaling code for Open Wire Format for ***WireFormatInfoMarshaller*** *(*p. *4121).*

- class **XATransactionIdMarshaller**

  Marshaling code for Open Wire Format for ***XATransactionIdMarshaller*** *(*p. *4160).*

5.23 activemq::wireformat::openwire::marshal::v2 Namespace Reference

Data Structures

- class **ActiveMQBlobMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQBlobMessageMarshaller*** *(*p. *202).*

- class **ActiveMQBytesMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQBytesMessageMarshaller*** *(*p. *256).*

- class **ActiveMQDestinationMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQDestinationMarshaller*** *(*p. *340).*

- class **ActiveMQMapMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQMapMessageMarshaller*** *(*p. *381).*

- class **ActiveMQMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQMessageMarshaller*** *(*p. *410).*

- class **ActiveMQObjectMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQObjectMessageMarshaller*** *(*p. *457).*

- class **ActiveMQQueueMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQQueueMarshaller*** *(*p. *504).*

- class **ActiveMQStreamMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQStreamMessageMarshaller*** *(*p. *570).*

- class **ActiveMQTempDestinationMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQTempDestinationMarshaller*** *(*p. *599).*

- class **ActiveMQTempQueueMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQTempQueueMarshaller*** *(*p. *628).*

- class **ActiveMQTempTopicMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQTempTopicMarshaller*** *(*p. *658).*

- class **ActiveMQTextMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQTextMessageMarshaller*** *(*p. *693).*

- class **ActiveMQTopicMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQTopicMarshaller*** *(*p. *722).*

- class **BaseCommandMarshaller**

  Marshaling code for Open Wire Format for ***BaseCommandMarshaller*** *(*p. *807).*

- class **BrokerIdMarshaller**

  Marshaling code for Open Wire Format for ***BrokerIdMarshaller*** *(*p. *898).*

- class **BrokerInfoMarshaller**

  Marshaling code for Open Wire Format for ***BrokerInfoMarshaller*** *(*p. *932).*

- class **ConnectionControlMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionControlMarshaller*** *(*p. *1328).*

- class **ConnectionErrorMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionErrorMarshaller*** *(*p. *1336).*

- class **ConnectionIdMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionIdMarshaller*** *(*p. *1368).*

- class **ConnectionInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionInfoMarshaller*** *(*p. *1400).*

- class **ConsumerControlMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerControlMarshaller*** *(*p. *1447).*

- class **ConsumerIdMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerIdMarshaller*** *(*p. *1477).*

- class **ConsumerInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerInfoMarshaller*** *(*p. *1510).*

- class **ControlCommandMarshaller**

  Marshaling code for Open Wire Format for ***ControlCommandMarshaller*** *(*p. *1539).*

- class **DataArrayResponseMarshaller**

  Marshaling code for Open Wire Format for ***DataArrayResponseMarshaller*** *(*p. *1574).*

- class **DataResponseMarshaller**

  Marshaling code for Open Wire Format for ***DataResponseMarshaller*** *(*p. *1643).*

- class **DestinationInfoMarshaller**

  Marshaling code for Open Wire Format for ***DestinationInfoMarshaller*** *(*p. *1784).*

- class **DiscoveryEventMarshaller**

  Marshaling code for Open Wire Format for ***DiscoveryEventMarshaller*** *(*p. *1819).*

- class **ExceptionResponseMarshaller**

Marshaling code for Open Wire Format for ***ExceptionResponseMarshaller*** *(p. 1902).*

- class **FlushCommandMarshaller**

  Marshaling code for Open Wire Format for ***FlushCommandMarshaller*** *(p. 2006).*

- class **IntegerResponseMarshaller**

  Marshaling code for Open Wire Format for ***IntegerResponseMarshaller*** *(p. 2167).*

- class **JournalQueueAckMarshaller**

  Marshaling code for Open Wire Format for ***JournalQueueAckMarshaller*** *(p. 2232).*

- class **JournalTopicAckMarshaller**

  Marshaling code for Open Wire Format for ***JournalTopicAckMarshaller*** *(p. 2261).*

- class **JournalTraceMarshaller**

  Marshaling code for Open Wire Format for ***JournalTraceMarshaller*** *(p. 2283).*

- class **JournalTransactionMarshaller**

  Marshaling code for Open Wire Format for ***JournalTransactionMarshaller*** *(p. 2315).*

- class **KeepAliveInfoMarshaller**

  Marshaling code for Open Wire Format for ***KeepAliveInfoMarshaller*** *(p. 2342).*

- class **LastPartialCommandMarshaller**

  Marshaling code for Open Wire Format for ***LastPartialCommandMarshaller*** *(p. 2382).*

- class **LocalTransactionIdMarshaller**

  Marshaling code for Open Wire Format for ***LocalTransactionIdMarshaller*** *(p. 2429).*

- class **MarshallerFactory**

  Used to create marshallers for a specific version of the wire protocol.

- class **MessageAckMarshaller**

  Marshaling code for Open Wire Format for ***MessageAckMarshaller*** *(p. 2653).*

- class **MessageDispatchMarshaller**

  Marshaling code for Open Wire Format for ***MessageDispatchMarshaller*** *(p. 2690).*

- class **MessageDispatchNotificationMarshaller**

  Marshaling code for Open Wire Format for ***MessageDispatchNotificationMarshaller*** *(p. 2725).*

- class **MessageIdMarshaller**

  Marshaling code for Open Wire Format for ***MessageIdMarshaller*** *(p. 2755).*

- class **MessageMarshaller**

*Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2789).*

- class **MessagePullMarshaller**

  *Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2828).*

- class **NetworkBridgeFilterMarshaller**

  *Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2881).*

- class **PartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3010).*

- class **ProducerAckMarshaller**

  *Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3128).*

- class **ProducerIdMarshaller**

  *Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3161).*

- class **ProducerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3194).*

- class **RemoveInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3288).*

- class **RemoveSubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3326).*

- class **ReplayCommandMarshaller**

  *Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3355).*

- class **ResponseMarshaller**

  *Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3393).*

- class **SessionIdMarshaller**

  *Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3481).*

- class **SessionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3525).*

- class **ShutdownInfoMarshaller**

  *Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3580).*

- class **SubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3807).*

- class **TransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3943).*

- class **TransactionInfoMarshaller**

  Marshaling code for Open Wire Format for ***TransactionInfoMarshaller*** *(*p. *3985).*

- class **WireFormatInfoMarshaller**

  Marshaling code for Open Wire Format for ***WireFormatInfoMarshaller*** *(*p. *4113).*

- class **XATransactionIdMarshaller**

  Marshaling code for Open Wire Format for ***XATransactionIdMarshaller*** *(*p. *4151).*

5.24 activemq::wireformat::openwire::marshal::v3 Namespace Reference

Data Structures

- class **ActiveMQBlobMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQBlobMessageMarshaller*** *(*p. *189).*

- class **ActiveMQBytesMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQBytesMessageMarshaller*** *(*p. *235).*

- class **ActiveMQDestinationMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQDestinationMarshaller*** *(*p. *324).*

- class **ActiveMQMapMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQMapMessageMarshaller*** *(*p. *364).*

- class **ActiveMQMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQMessageMarshaller*** *(*p. *393).*

- class **ActiveMQObjectMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQObjectMessageMarshaller*** *(*p. *440).*

- class **ActiveMQQueueMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQQueueMarshaller*** *(*p. *487).*

- class **ActiveMQStreamMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQStreamMessageMarshaller*** *(*p. *553).*

- class **ActiveMQTempDestinationMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQTempDestinationMarshaller*** *(*p. *582).*

- class **ActiveMQTempQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 611).*

- class **ActiveMQTempTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 641).*

- class **ActiveMQTextMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 671).*

- class **ActiveMQTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 701).*

- class **BaseCommandMarshaller**

  *Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 771).*

- class **BrokerIdMarshaller**

  *Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 878).*

- class **BrokerInfoMarshaller**

  *Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 910).*

- class **ConnectionControlMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1307).*

- class **ConnectionErrorMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1340).*

- class **ConnectionIdMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1373).*

- class **ConnectionInfoMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1404).*

- class **ConsumerControlMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1451).*

- class **ConsumerIdMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1481).*

- class **ConsumerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1514).*

- class **ControlCommandMarshaller**

  *Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1544).*

- class **DataArrayResponseMarshaller**

Marshaling code for Open Wire Format for ***DataArrayResponseMarshaller*** *(*p. *1579).*

- class **DataResponseMarshaller**

  Marshaling code for Open Wire Format for ***DataResponseMarshaller*** *(*p. *1647).*

- class **DestinationInfoMarshaller**

  Marshaling code for Open Wire Format for ***DestinationInfoMarshaller*** *(*p. *1789).*

- class **DiscoveryEventMarshaller**

  Marshaling code for Open Wire Format for ***DiscoveryEventMarshaller*** *(*p. *1823).*

- class **ExceptionResponseMarshaller**

  Marshaling code for Open Wire Format for ***ExceptionResponseMarshaller*** *(*p. *1906).*

- class **FlushCommandMarshaller**

  Marshaling code for Open Wire Format for ***FlushCommandMarshaller*** *(*p. *2010).*

- class **IntegerResponseMarshaller**

  Marshaling code for Open Wire Format for ***IntegerResponseMarshaller*** *(*p. *2171).*

- class **JournalQueueAckMarshaller**

  Marshaling code for Open Wire Format for ***JournalQueueAckMarshaller*** *(*p. *2240).*

- class **JournalTopicAckMarshaller**

  Marshaling code for Open Wire Format for ***JournalTopicAckMarshaller*** *(*p. *2265).*

- class **JournalTraceMarshaller**

  Marshaling code for Open Wire Format for ***JournalTraceMarshaller*** *(*p. *2288).*

- class **JournalTransactionMarshaller**

  Marshaling code for Open Wire Format for ***JournalTransactionMarshaller*** *(*p. *2319).*

- class **KeepAliveInfoMarshaller**

  Marshaling code for Open Wire Format for ***KeepAliveInfoMarshaller*** *(*p. *2347).*

- class **LastPartialCommandMarshaller**

  Marshaling code for Open Wire Format for ***LastPartialCommandMarshaller*** *(*p. *2378).*

- class **LocalTransactionIdMarshaller**

  Marshaling code for Open Wire Format for ***LocalTransactionIdMarshaller*** *(*p. *2433).*

- class **MarshallerFactory**

  Used to create marshallers for a specific version of the wire protocol.

- class **MessageAckMarshaller**

  Marshaling code for Open Wire Format for ***MessageAckMarshaller*** *(*p. *2657).*

- class **MessageDispatchMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2695).*

- class **MessageDispatchNotificationMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2729).*

- class **MessageIdMarshaller**

  *Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2767).*

- class **MessageMarshaller**

  *Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2785).*

- class **MessagePullMarshaller**

  *Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2837).*

- class **NetworkBridgeFilterMarshaller**

  *Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2893).*

- class **PartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3019).*

- class **ProducerAckMarshaller**

  *Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3137).*

- class **ProducerIdMarshaller**

  *Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3169).*

- class **ProducerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3207).*

- class **RemoveInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3296).*

- class **RemoveSubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3322).*

- class **ReplayCommandMarshaller**

  *Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3360).*

- class **ResponseMarshaller**

  *Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3403).*

- class **SessionIdMarshaller**

  *Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3497).*

- class **SessionInfoMarshaller**
  *Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3521).*
- class **ShutdownInfoMarshaller**
  *Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3593).*
- class **SubscriptionInfoMarshaller**
  *Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3786).*
- class **TransactionIdMarshaller**
  *Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3947).*
- class **TransactionInfoMarshaller**
  *Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3972).*
- class **WireFormatInfoMarshaller**
  *Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4125).*
- class **XATransactionIdMarshaller**
  *Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4164).*

5.25 activemq::wireformat::openwire::marshal::v4 Namespace Reference

Data Structures

- class **ActiveMQBlobMessageMarshaller**
  *Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 198).*
- class **ActiveMQBytesMessageMarshaller**
  *Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 243).*
- class **ActiveMQDestinationMarshaller**
  *Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 332).*
- class **ActiveMQMapMessageMarshaller**
  *Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 373).*
- class **ActiveMQMessageMarshaller**
  *Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 401).*
- class **ActiveMQObjectMessageMarshaller**
  *Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 449).*

- class **ActiveMQQueueMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQQueueMarshaller*** *(p. 495).*

- class **ActiveMQStreamMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQStreamMessageMarshaller*** *(p. 561).*

- class **ActiveMQTempDestinationMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQTempDestinationMarshaller*** *(p. 591).*

- class **ActiveMQTempQueueMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQTempQueueMarshaller*** *(p. 619).*

- class **ActiveMQTempTopicMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQTempTopicMarshaller*** *(p. 645).*

- class **ActiveMQTextMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQTextMessageMarshaller*** *(p. 676).*

- class **ActiveMQTopicMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQTopicMarshaller*** *(p. 705).*

- class **BaseCommandMarshaller**

  Marshaling code for Open Wire Format for ***BaseCommandMarshaller*** *(p. 778).*

- class **BrokerIdMarshaller**

  Marshaling code for Open Wire Format for ***BrokerIdMarshaller*** *(p. 882).*

- class **BrokerInfoMarshaller**

  Marshaling code for Open Wire Format for ***BrokerInfoMarshaller*** *(p. 915).*

- class **ConnectionControlMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionControlMarshaller*** *(p. 1311).*

- class **ConnectionErrorMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionErrorMarshaller*** *(p. 1344).*

- class **ConnectionIdMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionIdMarshaller*** *(p. 1377).*

- class **ConnectionInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionInfoMarshaller*** *(p. 1408).*

- class **ConsumerControlMarshaller**

Marshaling code for Open Wire Format for ***ConsumerControlMarshaller*** *(*p. *1455).*

- class **ConsumerIdMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerIdMarshaller*** *(*p. *1485).*

- class **ConsumerInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerInfoMarshaller*** *(*p. *1518).*

- class **ControlCommandMarshaller**

  Marshaling code for Open Wire Format for ***ControlCommandMarshaller*** *(*p. *1548).*

- class **DataArrayResponseMarshaller**

  Marshaling code for Open Wire Format for ***DataArrayResponseMarshaller*** *(*p. *1583).*

- class **DataResponseMarshaller**

  Marshaling code for Open Wire Format for ***DataResponseMarshaller*** *(*p. *1652).*

- class **DestinationInfoMarshaller**

  Marshaling code for Open Wire Format for ***DestinationInfoMarshaller*** *(*p. *1793).*

- class **DiscoveryEventMarshaller**

  Marshaling code for Open Wire Format for ***DiscoveryEventMarshaller*** *(*p. *1827).*

- class **ExceptionResponseMarshaller**

  Marshaling code for Open Wire Format for ***ExceptionResponseMarshaller*** *(*p. *1915).*

- class **FlushCommandMarshaller**

  Marshaling code for Open Wire Format for ***FlushCommandMarshaller*** *(*p. *2014).*

- class **IntegerResponseMarshaller**

  Marshaling code for Open Wire Format for ***IntegerResponseMarshaller*** *(*p. *2175).*

- class **JournalQueueAckMarshaller**

  Marshaling code for Open Wire Format for ***JournalQueueAckMarshaller*** *(*p. *2244).*

- class **JournalTopicAckMarshaller**

  Marshaling code for Open Wire Format for ***JournalTopicAckMarshaller*** *(*p. *2273).*

- class **JournalTraceMarshaller**

  Marshaling code for Open Wire Format for ***JournalTraceMarshaller*** *(*p. *2296).*

- class **JournalTransactionMarshaller**

  Marshaling code for Open Wire Format for ***JournalTransactionMarshaller*** *(*p. *2327).*

- class **KeepAliveInfoMarshaller**

  Marshaling code for Open Wire Format for ***KeepAliveInfoMarshaller*** *(*p. *2351).*

- class **LastPartialCommandMarshaller**

  Marshaling code for Open Wire Format for ***LastPartialCommandMarshaller*** *(p. 2391).*

- class **LocalTransactionIdMarshaller**

  Marshaling code for Open Wire Format for ***LocalTransactionIdMarshaller*** *(p. 2442).*

- class **MarshallerFactory**

  Used to create marshallers for a specific version of the wire protocol.

- class **MessageAckMarshaller**

  Marshaling code for Open Wire Format for ***MessageAckMarshaller*** *(p. 2661).*

- class **MessageDispatchMarshaller**

  Marshaling code for Open Wire Format for ***MessageDispatchMarshaller*** *(p. 2703).*

- class **MessageDispatchNotificationMarshaller**

  Marshaling code for Open Wire Format for ***MessageDispatchNotificationMarshaller*** *(p. 2733).*

- class **MessageIdMarshaller**

  Marshaling code for Open Wire Format for ***MessageIdMarshaller*** *(p. 2759).*

- class **MessageMarshaller**

  Marshaling code for Open Wire Format for ***MessageMarshaller*** *(p. 2793).*

- class **MessagePullMarshaller**

  Marshaling code for Open Wire Format for ***MessagePullMarshaller*** *(p. 2841).*

- class **NetworkBridgeFilterMarshaller**

  Marshaling code for Open Wire Format for ***NetworkBridgeFilterMarshaller*** *(p. 2897).*

- class **PartialCommandMarshaller**

  Marshaling code for Open Wire Format for ***PartialCommandMarshaller*** *(p. 3023).*

- class **ProducerAckMarshaller**

  Marshaling code for Open Wire Format for ***ProducerAckMarshaller*** *(p. 3133).*

- class **ProducerIdMarshaller**

  Marshaling code for Open Wire Format for ***ProducerIdMarshaller*** *(p. 3165).*

- class **ProducerInfoMarshaller**

  Marshaling code for Open Wire Format for ***ProducerInfoMarshaller*** *(p. 3190).*

- class **RemoveInfoMarshaller**

  Marshaling code for Open Wire Format for ***RemoveInfoMarshaller*** *(p. 3309).*

- class **RemoveSubscriptionInfoMarshaller**
  *Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3339).*
- class **ReplayCommandMarshaller**
  *Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3347).*
- class **ResponseMarshaller**
  *Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3388).*
- class **SessionIdMarshaller**
  *Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3485).*
- class **SessionInfoMarshaller**
  *Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3530).*
- class **ShutdownInfoMarshaller**
  *Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3597).*
- class **SubscriptionInfoMarshaller**
  *Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3799).*
- class **TransactionIdMarshaller**
  *Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3951).*
- class **TransactionInfoMarshaller**
  *Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3981).*
- class **WireFormatInfoMarshaller**
  *Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4117).*
- class **XATransactionIdMarshaller**
  *Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4155).*

5.26 activemq::wireformat::openwire::marshal::v5 Namespace Reference

Data Structures

- class **ActiveMQBlobMessageMarshaller**
  *Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 206).*
- class **ActiveMQBytesMessageMarshaller**
  *Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 247).*

- class **ActiveMQDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 336).*

- class **ActiveMQMapMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 377).*

- class **ActiveMQMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 405).*

- class **ActiveMQObjectMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 453).*

- class **ActiveMQQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 499).*

- class **ActiveMQStreamMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 566).*

- class **ActiveMQTempDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 595).*

- class **ActiveMQTempQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 624).*

- class **ActiveMQTempTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 654).*

- class **ActiveMQTextMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 684).*

- class **ActiveMQTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 714).*

- class **BaseCommandMarshaller**

  *Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 793).*

- class **BrokerIdMarshaller**

  *Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 890).*

- class **BrokerInfoMarshaller**

  *Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 923).*

- class **ConnectionControlMarshaller**

Marshaling code for Open Wire Format for ***ConnectionControlMarshaller*** *(*p. *1319).*

- class **ConnectionErrorMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionErrorMarshaller*** *(*p. *1353).*

- class **ConnectionIdMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionIdMarshaller*** *(*p. *1385).*

- class **ConnectionInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionInfoMarshaller*** *(*p. *1417).*

- class **ConsumerControlMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerControlMarshaller*** *(*p. *1464).*

- class **ConsumerIdMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerIdMarshaller*** *(*p. *1493).*

- class **ConsumerInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerInfoMarshaller*** *(*p. *1527).*

- class **ControlCommandMarshaller**

  Marshaling code for Open Wire Format for ***ControlCommandMarshaller*** *(*p. *1556).*

- class **DataArrayResponseMarshaller**

  Marshaling code for Open Wire Format for ***DataArrayResponseMarshaller*** *(*p. *1592).*

- class **DataResponseMarshaller**

  Marshaling code for Open Wire Format for ***DataResponseMarshaller*** *(*p. *1635).*

- class **DestinationInfoMarshaller**

  Marshaling code for Open Wire Format for ***DestinationInfoMarshaller*** *(*p. *1806).*

- class **DiscoveryEventMarshaller**

  Marshaling code for Open Wire Format for ***DiscoveryEventMarshaller*** *(*p. *1835).*

- class **ExceptionResponseMarshaller**

  Marshaling code for Open Wire Format for ***ExceptionResponseMarshaller*** *(*p. *1910).*

- class **FlushCommandMarshaller**

  Marshaling code for Open Wire Format for ***FlushCommandMarshaller*** *(*p. *2023).*

- class **IntegerResponseMarshaller**

  Marshaling code for Open Wire Format for ***IntegerResponseMarshaller*** *(*p. *2184).*

- class **JournalQueueAckMarshaller**

  Marshaling code for Open Wire Format for ***JournalQueueAckMarshaller*** *(*p. *2236).*

- class **JournalTopicAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2256).*

- class **JournalTraceMarshaller**

  *Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2304).*

- class **JournalTransactionMarshaller**

  *Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2323).*

- class **KeepAliveInfoMarshaller**

  *Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2355).*

- class **LastPartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2386).*

- class **LocalTransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2437).*

- class **MarshallerFactory**

  Used to create marshallers for a specific version of the wire protocol.

- class **MessageAckMarshaller**

  *Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2670).*

- class **MessageDispatchMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2699).*

- class **MessageDispatchNotificationMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2742).*

- class **MessageIdMarshaller**

  *Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2763).*

- class **MessageMarshaller**

  *Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2780).*

- class **MessagePullMarshaller**

  *Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2833).*

- class **NetworkBridgeFilterMarshaller**

  *Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2889).*

- class **PartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3014).*

- class **ProducerAckMarshaller**

  *Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3141).*

- class **ProducerIdMarshaller**

  *Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3173).*

- class **ProducerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3203).*

- class **RemoveInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3305).*

- class **RemoveSubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3335).*

- class **ReplayCommandMarshaller**

  *Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3368).*

- class **ResponseMarshaller**

  *Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3398).*

- class **SessionIdMarshaller**

  *Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3493).*

- class **SessionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3513).*

- class **ShutdownInfoMarshaller**

  *Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3589).*

- class **SubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3795).*

- class **TransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3935).*

- class **TransactionInfoMarshaller**

  *Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3964).*

- class **WireFormatInfoMarshaller**

  *Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4104).*

- class **XATransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4168).*

5.27 activemq::wireformat::openwire::marshal::v6 Namespace Reference

Data Structures

- class **ActiveMQBlobMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 211).*

- class **ActiveMQBytesMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 252).*

- class **ActiveMQDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 344).*

- class **ActiveMQMapMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 386).*

- class **ActiveMQMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 414).*

- class **ActiveMQObjectMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 462).*

- class **ActiveMQQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 508).*

- class **ActiveMQStreamMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 574).*

- class **ActiveMQTempDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 603).*

- class **ActiveMQTempQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 632).*

- class **ActiveMQTempTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 662).*

- class **ActiveMQTextMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 688).*

- class **ActiveMQTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 718).*

- class **BaseCommandMarshaller**

  Marshaling code for Open Wire Format for ***BaseCommandMarshaller*** *(*p. *800).*

- class **BrokerIdMarshaller**

  Marshaling code for Open Wire Format for ***BrokerIdMarshaller*** *(*p. *894).*

- class **BrokerInfoMarshaller**

  Marshaling code for Open Wire Format for ***BrokerInfoMarshaller*** *(*p. *927).*

- class **ConnectionControlMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionControlMarshaller*** *(*p. *1324).*

- class **ConnectionErrorMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionErrorMarshaller*** *(*p. *1357).*

- class **ConnectionIdMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionIdMarshaller*** *(*p. *1389).*

- class **ConnectionInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionInfoMarshaller*** *(*p. *1421).*

- class **ConsumerControlMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerControlMarshaller*** *(*p. *1468).*

- class **ConsumerIdMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerIdMarshaller*** *(*p. *1497).*

- class **ConsumerInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerInfoMarshaller*** *(*p. *1531).*

- class **ControlCommandMarshaller**

  Marshaling code for Open Wire Format for ***ControlCommandMarshaller*** *(*p. *1561).*

- class **DataArrayResponseMarshaller**

  Marshaling code for Open Wire Format for ***DataArrayResponseMarshaller*** *(*p. *1596).*

- class **DataResponseMarshaller**

  Marshaling code for Open Wire Format for ***DataResponseMarshaller*** *(*p. *1639).*

- class **DestinationInfoMarshaller**

  Marshaling code for Open Wire Format for ***DestinationInfoMarshaller*** *(*p. *1801).*

- class **DiscoveryEventMarshaller**

  Marshaling code for Open Wire Format for ***DiscoveryEventMarshaller*** *(*p. *1815).*

- class **ExceptionResponseMarshaller**

*Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1898).*

- class **FlushCommandMarshaller**

  *Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2002).*

- class **IntegerResponseMarshaller**

  *Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2162).*

- class **JournalQueueAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2228).*

- class **JournalTopicAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2269).*

- class **JournalTraceMarshaller**

  *Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2292).*

- class **JournalTransactionMarshaller**

  *Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2311).*

- class **KeepAliveInfoMarshaller**

  *Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2338).*

- class **LastPartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2374).*

- class **LocalTransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2425).*

- class **MarshallerFactory**

  Used to create marshallers for a specific version of the wire protocol.

- class **MessageAckMarshaller**

  *Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2648).*

- class **MessageDispatchMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2712).*

- class **MessageDispatchNotificationMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2720).*

- class **MessageIdMarshaller**

  *Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2771).*

- class **MessageMarshaller**

*Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2802).*

- class **MessagePullMarshaller**

  *Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2850).*

- class **NetworkBridgeFilterMarshaller**

  *Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2885).*

- class **PartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3005).*

- class **ProducerAckMarshaller**

  *Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3145).*

- class **ProducerIdMarshaller**

  *Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3177).*

- class **ProducerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3211).*

- class **RemoveInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3292).*

- class **RemoveSubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3331).*

- class **ReplayCommandMarshaller**

  *Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3364).*

- class **ResponseMarshaller**

  *Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3413).*

- class **SessionIdMarshaller**

  *Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3489).*

- class **SessionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3508).*

- class **ShutdownInfoMarshaller**

  *Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3576).*

- class **SubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3803).*

- class **TransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3955).*

- class **TransactionInfoMarshaller**

  *Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3977).*

- class **WireFormatInfoMarshaller**

  *Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4109).*

- class **XATransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4147).*

5.28 activemq::wireformat::openwire::utils Namespace Reference

Data Structures

- class **BooleanStream**

  Manages the writing and reading of boolean data streams to and from a data source such as a DataInputStream or DataOutputStream.

- class **HexTable**

  *The **HexTable** (p. 2048) class maps hexidecimal strings to the value of an index into the table, i.e.*

- class **MessagePropertyInterceptor**

  Used the base ActiveMQMessage class to intercept calls to get and set properties in order to capture the calls that use the reserved JMS properties and get and set them in the OpenWire Message properties.

5.29 activemq::wireformat::stomp Namespace Reference

Data Structures

- class **StompCommandConstants**
- class **StompFrame**

  A Stomp-level message frame that encloses all messages to and from the broker.

- class **StompHelper**

  Utility Methods used when marshaling to and from StompFrame's.

- class **StompWireFormat**
- class **StompWireFormatFactory**

  Factory used to create the Stomp Wire Format instance.

5.30 cms Namespace Reference

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

Data Structures

- class **BytesMessage**

  *A **BytesMessage** (p. 1079) object is used to send a message containing a stream of unsigned bytes.*

- class **Closeable**

  Interface for a class that implements the close method.

- class **CMSException**

  CMS API Exception that is the base for all exceptions thrown from CMS classes.

- class **CMSProperties**

  Interface for a Java-like properties object.

- class **CMSSecurityException**

  This exception must be thrown when a provider rejects a user name/password submitted by a client.

- class **Connection**

  The client's connection to its provider.

- class **ConnectionFactory**

  *Defines the interface for a factory that creates connection objects, the **Connection** (p. 1296) objects returned implement the CMS **Connection** (p. 1296) interface and hide the CMS Provider specific implementation details behind that interface.*

- class **ConnectionMetaData**

  *A **ConnectionMetaData** (p. 1425) object provides information describing the **Connection** (p. 1296) object.*

- class **DeliveryMode**

  This is an Abstract class whose purpose is to provide a container for the delivery mode enumeration for CMS messages.

- class **Destination**

  *A **Destination** (p. 1776) object encapsulates a provider-specific address.*

- class **ExceptionListener**

  *If a CMS provider detects a serious problem, it notifies the client application through an **ExceptionListener** (p. 1893) that is registered with the **Connection** (p. 1296).*

- class **IllegalStateException**

  This exception is thrown when a method is invoked at an illegal or inappropriate time or if the provider is not in an appropriate state for the requested operation.

- class **InvalidClientIdException**

  This exception must be thrown when a client attempts to set a connection's client ID to a value that is rejected by a provider.

- class **InvalidDestinationException**

  This exception must be thrown when a destination either is not understood by a provider or is no longer valid.

- class **InvalidSelectorException**

  This exception must be thrown when a CMS client attempts to give a provider a message selector with invalid syntax.

- class **MapMessage**

  *A **MapMessage** (p. 2551) object is used to send a set of name-value pairs.*

- class **Message**

  Root of all messages.

- class **MessageConsumer**

  *A client uses a **`MessageConsumer`** (p. 2674) to received messages from a destination.*

- class **MessageEnumeration**

  Defines an object that enumerates a collection of Messages.

- class **MessageEOFException**

  *This exception must be thrown when an unexpected end of stream has been reached when a **StreamMessage** (p. 3760) or **BytesMessage** (p. 1079) is being read.*

- class **MessageFormatException**

  This exception must be thrown when a CMS client attempts to use a data type not supported by a message or attempts to read data in a message as the wrong type.

- class **MessageListener**

  *A **`MessageListener`** (p. 2779) object is used to receive asynchronously delivered messages.*

- class **MessageNotReadableException**

  This exception must be thrown when a CMS client attempts to read a write-only message.

- class **MessageNotWriteableException**

This exception must be thrown when a CMS client attempts to write to a read-only message.

- class **MessageProducer**

  A client uses a **`MessageProducer`** *(p. 2809) object to send messages to a* ***Destination*** *(p. 1776).*

- class **ObjectMessage**

  Place holder for interaction with JMS systems that support Java, the C++ client is not responsible for deserializing the contained Object.

- class **Queue**

  An interface encapsulating a provider-specific queue name.

- class **QueueBrowser**

  This class implements in interface for browsing the messages in a ***Queue*** *(p. 3238) without removing them.*

- class **Session**

  A ***Session*** *(p. 3460) object is a single-threaded context for producing and consuming messages.*

- class **Startable**

  Interface for a class that implements the start method.

- class **Stoppable**

  Interface for a class that implements the stop method.

- class **StreamMessage**

  Interface for a ***StreamMessage*** *(p. 3760).*

- class **TemporaryQueue**

  Defines a Temporary ***Queue*** *(p. 3238) based* ***Destination*** *(p. 1776).*

- class **TemporaryTopic**

  Defines a Temporary ***Topic*** *(p. 3930) based* ***Destination*** *(p. 1776).*

- class **TextMessage**

  Interface for a text message.

- class **Topic**

  An interface encapsulating a provider-specific topic name.

- class **UnsupportedOperationException**

  This exception must be thrown when a CMS client attempts use a CMS method that is not implemented or not supported by the CMS Provider in use.

5.30.1 Detailed Description

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

`http://www.apache.org/licenses/LICENSE-2.0`

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

5.31 decaf Namespace Reference

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

Namespaces

- namespace **internal**
- namespace **io**
- namespace **lang**
- namespace **net**
- namespace **nio**
- namespace **security**
- namespace **util**

5.31.1 Detailed Description

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

`http://www.apache.org/licenses/LICENSE-2.0`

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

5.32 decaf::internal Namespace Reference

Namespaces

- namespace **io**
- namespace **net**
- namespace **nio**
- namespace **security**
- namespace **util**

Data Structures

- class **AprPool**

  Wraps an APR pool object so that classes in decaf can create a static member for use in static methods where apr function calls that need a pool are made.

- class **DecafRuntime**

  Handles APR initialization and termination.

5.33 decaf::internal::io Namespace Reference

Data Structures

- class **StandardErrorOutputStream**

  Wrapper Around the Standard error Output facility on the current platform.

- class **StandardInputStream**
- class **StandardOutputStream**

5.34 decaf::internal::net Namespace Reference

Namespaces

- namespace **ssl**
- namespace **tcp**

Data Structures

- class **DefaultServerSocketFactory**

  Default implementation of the Decaf ServerSocketFactory, creates ServerSocket objects with supplied options.

- class **DefaultSocketFactory**

  SocketFactory implementation that is used to create Sockets.

- class **Network**

  Internal class used to manage Networking related resources and hide platform dependent calls from the higher level API.

- class **SocketFileDescriptor**

  File Descriptor type used internally by Decaf Socket objects.

- class **URIEncoderDecoder**
- class **URIHelper**

  Helper class used by the URI classes in encoding and decoding of URI's.

- class **URIType**

  Basic type object that holds data that composes a given URI.

5.35 decaf::internal::net::ssl Namespace Reference

Namespaces

- namespace **openssl**

Data Structures

- class **DefaultSSLContext**

  Default SSLContext manager for the Decaf library.

- class **DefaultSSLServerSocketFactory**

  Default implementation of the SSLServerSocketFactory, this factory throws an Exception from all its create methods to indicate that SSL is not supported, this factory is used when OpenSSL is not enabled in the builds.

- class **DefaultSSLSocketFactory**

  Default implementation of the SSLSocketFactory, this factory throws an Exception from all its create methods to indicate that SSL is not supported, this factory is used when OpenSSL is not enabled in the builds.

5.36 decaf::internal::net::ssl::openssl Namespace Reference

Data Structures

- class **OpenSSLContextSpi**

Provides an SSLContext that wraps the OpenSSL API.

- class **OpenSSLParameters**

  Container class for parameters that are Common to OpenSSL socket classes.

- class **OpenSSLServerSocket**

  SSLServerSocket based on OpenSSL library code.

- class **OpenSSLServerSocketFactory**

  SSLServerSocketFactory that creates Server Sockets that use OpenSSL.

- class **OpenSSLSocket**

  Wraps a a Normal Socket object and extends or overrides functions in that class to make use of the OpenSSL Socket API.

- class **OpenSSLSocketException**

  Subclass of the standard SocketException that knows how to produce an error message from the OpenSSL error stack.

- class **OpenSSLSocketFactory**

  Client Socket Factory that creates SSL based client sockets using the OpenSSL library.

- class **OpenSSLSocketInputStream**

  An output stream for reading data from an OpenSSL Socket instance.

- class **OpenSSLSocketOutputStream**

  *OutputStream implementation used to write data to an **OpenSSLSocket*** (p. 2940) *instance.*

5.37 decaf::internal::net::tcp Namespace Reference

Data Structures

- class **TcpSocket**

  Platform-independent implementation of the socket interface.

- class **TcpSocketInputStream**

  Input stream for performing reads on a socket.

- class **TcpSocketOutputStream**

  Output stream for performing write operations on a socket.

5.38 decaf::internal::nio Namespace Reference

Data Structures

- class **BufferFactory**

  *Factory class used by static methods in the **decaf::nio** (p. 147) package to create the various default version of the NIO interfaces.*

- class **ByteArrayBuffer**

  This class defines six categories of operations upon byte buffers:

- class **CharArrayBuffer**
- class **DoubleArrayBuffer**
- class **FloatArrayBuffer**
- class **IntArrayBuffer**
- class **LongArrayBuffer**
- class **ShortArrayBuffer**

5.39 decaf::internal::security Namespace Reference

Data Structures

- class **SecureRandomImpl**

  Secure Random Number Generator for Unix based platforms that attempts to obtain secure bytes with high entropy from known sources.

5.40 decaf::internal::util Namespace Reference

Namespaces

- namespace **concurrent**

Data Structures

- class **ByteArrayAdapter**

  This class adapts primitive type arrays to a base byte array so that the classes can inter-operate on the same base byte array without copying data.

- class **GenericResource**

  *A Generic **Resource** (p. 3374) wraps some type and will delete it when the **Resource** (p. 3374) itself is deleted.*

- class **HexStringParser**

- class **Resource**

  Interface for all Managed Resources in Decaf, these objects are added to the Runtime System and are destroyed at shutdown.

- class **ResourceLifecycleManager**
- class **TimerTaskHeap**

  A Binary Heap implemented specifically for the Timer class in Decaf Util.

5.41 decaf::internal::util::concurrent Namespace Reference

Data Structures

- class **ConditionImpl**
- class **MutexImpl**
- class **SynchronizableImpl**

  A convenience class used by some Decaf classes to implement the Synchronizable interface when there is no issues related to multiple inheritance.

- class **Transferer**

  Shared internal API for dual stacks and queues.

- class **TransferQueue**

  This extends Scherer-Scott dual queue algorithm, differing, among other ways, by using modes within nodes rather than marked pointers.

- class **TransferStack**

5.42 decaf::io Namespace Reference

Data Structures

- class **BlockingByteArrayInputStream**

  This is a blocking version of a byte buffer stream.

- class **BufferedInputStream**

  A wrapper around another input stream that performs a buffered read, where it reads more data than it needs in order to reduce the number of io operations on the input stream.

- class **BufferedOutputStream**

  Wrapper around another output stream that buffers output before writing to the target output stream.

- class **ByteArrayInputStream**

*A **ByteArrayInputStream** (p. 1038) contains an internal buffer that contains bytes that may be read from the stream.*

- class **ByteArrayOutputStream**
- class **Closeable**

  Interface for a class that implements the close method.

- class **DataInput**

  *The **DataInput** (p. 1603) interface provides for reading bytes from a binary stream and reconstructing from them data in any of the C++ primitive types.*

- class **DataInputStream**

  A data input stream lets an application read primitive Java data types from an underlying input stream in a machine-independent way.

- class **DataOutput**

  *The **DataOutput** (p. 1622) interface provides for converting data from any of the C++ primitive types to a series of bytes and writing these bytes to a binary stream.*

- class **DataOutputStream**

  A data output stream lets an application write primitive Java data types to an output stream in a portable way.

- class **EOFException**
- class **FileDescriptor**

  This class servers as an opaque wrapper around an underlying OS level resource that can be used as a source / sink for byte level data such as sockets and files.

- class **FilterInputStream**

  *A **FilterInputStream** (p. 1950) contains some other input stream, which it uses as its basic source of data, possibly transforming the data along the way or providing additional functionality.*

- class **FilterOutputStream**

  This class is the superclass of all classes that filter output streams.

- class **Flushable**

  *A **Flushable** (p. 1998) is a destination of data that can be flushed.*

- class **InputStream**

  A base class that must be implemented by all classes wishing to provide a class that reads in a stream of bytes.

- class **InputStreamReader**

  *An **InputStreamReader** (p. 2116) is a bridge from byte streams to character streams.*

- class **InterruptedIOException**
- class **IOException**

- class **OutputStream**

  Base interface for any class that wants to represent an output stream of bytes.

- class **OutputStreamWriter**

  A class for turning a character stream into a byte stream.

- class **PushbackInputStream**

  *A **PushbackInputStream** (p. 3231) adds functionality to another input stream, namely the ability to "push back" or "unread" one byte.*

- class **Reader**
- class **UnsupportedEncodingException**

  Thrown when the the Character Encoding is not supported.

- class **UTFDataFormatException**

  Thrown from classes that attempt to read or write a UTF-8 encoded string and an encoding error is encountered.

- class **Writer**

5.43 decaf::lang Namespace Reference

Namespaces

- namespace **exceptions**

Data Structures

- class **Appendable**

  An object to which char sequences and values can be appended.

- class **ArrayPointer**

  *Decaf's implementation of a Smart **Pointer** (p. 3032) that is a template on a Type and is **Thread** (p. 3876) Safe if the default Reference Counter is used.*

- class **ArrayPointerComparator**

  *This implementation of Comparator is designed to allows objects in a Collection to be sorted or tested for equality based on the value of the value of the actual pointer to the array being contained in this **ArrayPointer** (p. 736).*

- class **Boolean**
- class **Byte**
- class **Character**
- class **CharSequence**

  *A **CharSequence** (p. 1167) is a readable sequence of char values.*

- class **Comparable**

  This interface imposes a total ordering on the objects of each class that implements it.

- class **Double**
- class **Exception**
- class **Float**
- class **Integer**
- class **Iterable**

  *Implementing this interface allows an object to be cast to an **Iterable** (p. 2220) type for generic collections API calls.*

- class **Long**
- class **Math**

  *The class **Math** (p. 2575) contains methods for performing basic numeric operations such as the elementary exponential, logarithm, square root, and trigonometric functions.*

- class **Number**

  *The abstract class **Number** (p. 2918) is the superclass of classes **Byte** (p. 969), **Double** (p. 1841), **Float** (p. 1961), **Integer** (p. 2143), **Long** (p. 2495), and **Short** (p. 3538).*

- struct **STATIC_CAST_TOKEN**
- struct **DYNAMIC_CAST_TOKEN**
- class **Pointer**

  *Decaf's implementation of a Smart **Pointer** (p. 3032) that is a template on a Type and is **Thread** (p. 3876) Safe if the default Reference Counter is used.*

- class **PointerComparator**

  *This implementation of Comparator is designed to allows objects in a Collection to be sorted or tested for equality based on the value of the Object being Pointed to and not the value of the contained pointer in the **Pointer** (p. 3032) instance.*

- class **Readable**

  *A **Readable** (p. 3251) is a source of characters.*

- class **Runnable**

  Interface for a runnable object - defines a task that can be run by a thread.

- class **Runtime**
- class **Short**
- class **String**

  *The **String** (p. 3775) class represents an immutable sequence of chars.*

- class **System**

*The **System** (p. 3838) class provides static methods for accessing system level resources and performing some system dependent tasks such as looking up environment values and copying memory and arrays.*

- class **Thread**

  *A **Thread** (p. 3876) is a concurrent unit of execution.*

- class **ThreadGroup**
- class **Throwable**

  This class represents an error that has occurred.

Functions

- template<typename T , typename R , typename U >
  bool **operator==** (const **ArrayPointer**< T, R > &left, const U *right)
- template<typename T , typename R , typename U >
  bool **operator==** (const U *left, const **ArrayPointer**< T, R > &right)
- template<typename T , typename R , typename U >
  bool **operator!=** (const **ArrayPointer**< T, R > &left, const U *right)
- template<typename T , typename R , typename U >
  bool **operator!=** (const U *left, const **ArrayPointer**< T, R > &right)
- template<typename T , typename R , typename U >
  bool **operator==** (const **Pointer**< T, R > &left, const U *right)
- template<typename T , typename R , typename U >
  bool **operator==** (const U *left, const **Pointer**< T, R > &right)
- template<typename T , typename R , typename U >
  bool **operator!=** (const **Pointer**< T, R > &left, const U *right)
- template<typename T , typename R , typename U >
  bool **operator!=** (const U *left, const **Pointer**< T, R > &right)

5.43.1 Function Documentation

5.43.1.1 template<typename T , typename R , typename U > bool decaf::lang::operator!= (const ArrayPointer< T, R > & *left*, const U * *right*) [inline]

References decaf::lang::ArrayPointer< T, REFCOUNTER >::get().

5.43.1.2 template<typename T , typename R , typename U > bool decaf::lang::operator!= (const U * *left*, const ArrayPointer< T, R > & *right*) [inline]

References decaf::lang::ArrayPointer< T, REFCOUNTER >::get().

5.43.1.3 template<typename T , typename R , typename U > bool decaf::lang::operator!= (const U * *left*, const Pointer< T, R > & *right*) [inline]

References decaf::lang::Pointer< T, REFCOUNTER >::get().

5.43.1.4 template<typename T , typename R , typename U > bool decaf::lang::operator!= (const Pointer< T, R > & *left*, const U * *right*) [inline]

References decaf::lang::Pointer< T, REFCOUNTER >::get().

5.43.1.5 template<typename T , typename R , typename U > bool decaf::lang::operator== (const Pointer< T, R > & *left*, const U * *right*) [inline]

References decaf::lang::Pointer< T, REFCOUNTER >::get().

5.43.1.6 template<typename T , typename R , typename U > bool decaf::lang::operator== (const U * *left*, const ArrayPointer< T, R > & *right*) [inline]

References decaf::lang::ArrayPointer< T, REFCOUNTER >::get().

5.43.1.7 template<typename T , typename R , typename U > bool decaf::lang::operator== (const U * *left*, const Pointer< T, R > & *right*) [inline]

References decaf::lang::Pointer< T, REFCOUNTER >::get().

5.43.1.8 template<typename T , typename R , typename U > bool decaf::lang::operator== (const ArrayPointer< T, R > & *left*, const U * *right*) [inline]

References decaf::lang::ArrayPointer< T, REFCOUNTER >::get().

5.44 decaf::lang::exceptions Namespace Reference

Data Structures

- class **ClassCastException**
- class **IllegalArgumentException**
- class **IllegalMonitorStateException**
- class **IllegalStateException**
- class **IllegalThreadStateException**
- class **IndexOutOfBoundsException**
- class **InterruptedException**
- class **InvalidStateException**
- class **NoSuchElementException**
- class **NullPointerException**
- class **NumberFormatException**
- class **RuntimeException**
- class **UnsupportedOperationException**

5.45 decaf::net Namespace Reference

Namespaces

- namespace **ssl**

Data Structures

- class **BindException**
- class **ConnectException**
- class **HttpRetryException**
- class **Inet4Address**
- class **Inet6Address**
- class **InetAddress**

  Represents an IP address.

- class **InetSocketAddress**
- class **MalformedURLException**
- class **NoRouteToHostException**
- class **PortUnreachableException**
- class **ProtocolException**
- class **ServerSocket**

  This class implements server sockets.

- class **ServerSocketFactory**

  Class used to create Server Sockets, subclasses can be created that create certain types of server sockets according to specific policies.

- class **Socket**
- class **SocketAddress**

  *Base class for protocol specific **Socket** (p. 3607) addresses.*

- class **SocketError**

  Static utility class to simplify handling of error codes for socket operations.

- class **SocketException**

  Exception for errors when manipulating sockets.

- class **SocketFactory**

  *The **SocketFactory** (p. 3629) is used to create **Socket** (p. 3607) objects and can be sub-classed to provide other types of Sockets or Sockets with varying configurations.*

- class **SocketImpl**

  *Acts as a base class for all physical **Socket** (p. 3607) implementations.*

- class **SocketImplFactory**

Factory class interface for a Factory that creates ScoketImpl objects.

- class **SocketOptions**
- class **SocketTimeoutException**
- class **UnknownHostException**
- class **UnknownServiceException**
- class **URI**

  *This class represents an instance of a **URI** (p. 4031) as defined by RFC 2396.*

- class **URISyntaxException**
- class **URL**

  *Class **URL** (p. 4072) represents a Uniform Resource Locator, a pointer to a "resource" on the World Wide Web.*

- class **URLDecoder**
- class **URLEncoder**

5.46 decaf::net::ssl Namespace Reference

Data Structures

- class **SSLContext**

  *Represents on implementation of the Secure **Socket** (p. 3607) Layer for streaming based sockets.*

- class **SSLContextSpi**

  *Defines the interface that should be provided by an **SSLContext** (p. 3653) provider.*

- class **SSLParameters**
- class **SSLServerSocket**

  Represents a server socket that is used to accept connections from clients using the Secure Sockets protocol or the Top Level Security protocol.

- class **SSLServerSocketFactory**

  Factory class interface that provides methods to create SSL Server Sockets.

- class **SSLSocket**
- class **SSLSocketFactory**

  *Factory class interface for a **SocketFactory** (p. 3629) that can create **SSLSocket** (p. 3670) objects.*

5.47 decaf::nio Namespace Reference

Data Structures

- class **Buffer**

  A container for data of a specific primitive type.

- class **BufferOverflowException**
- class **BufferUnderflowException**
- class **ByteBuffer**

  This class defines six categories of operations upon byte buffers:

- class **CharBuffer**

  This class defines four categories of operations upon character buffers:

- class **DoubleBuffer**

  This class defines four categories of operations upon double buffers:

- class **FloatBuffer**

  This class defines four categories of operations upon float buffers:

- class **IntBuffer**

  This class defines four categories of operations upon int buffers:

- class **InvalidMarkException**
- class **LongBuffer**

  This class defines four categories of operations upon long long buffers:

- class **ReadOnlyBufferException**
- class **ShortBuffer**

  This class defines four categories of operations upon short buffers:

5.48 decaf::security Namespace Reference

Namespaces

- namespace **auth**
- namespace **cert**

Data Structures

- class **GeneralSecurityException**
- class **InvalidKeyException**
- class **Key**

*The **Key** (p. 2364) interface is the top-level interface for all keys.*

- class **KeyException**
- class **KeyManagementException**
- class **NoSuchAlgorithmException**
- class **NoSuchProviderException**
- class **Principal**

  Base interface for a principal, which can represent an individual or organization.

- class **PublicKey**

  A public key.

- class **SecureRandom**
- class **SecureRandomSpi**

  Interface class used by Security Service Providers to implement a source of secure random bytes.

- class **SignatureException**

5.49 decaf::security::auth Namespace Reference

Namespaces

- namespace **x500**

5.50 decaf::security::auth::x500 Namespace Reference

Data Structures

- class **X500Principal**

5.51 decaf::security::cert Namespace Reference

Data Structures

- class **Certificate**

  Base interface for all identity certificates.

- class **CertificateEncodingException**
- class **CertificateException**
- class **CertificateExpiredException**
- class **CertificateNotYetValidException**
- class **CertificateParsingException**

- class **X509Certificate**

  Base interface for all identity certificates.

5.52 decaf::util Namespace Reference

Namespaces

- namespace **comparators**
- namespace **concurrent**
- namespace **logging**
- namespace **zip**

Data Structures

- class **AbstractCollection**

  *This class provides a skeletal implementation of the **Collection** (p. 1216) interface, to minimize the effort required to implement this interface.*

- class **AbstractList**

  *This class provides a skeletal implementation of the **List** (p. 2409) interface to minimize the effort required to implement this interface backed by a "random access" data store (such as an array).*

- class **AbstractMap**

  *This class provides a skeletal implementation of the **Map** (p. 2538) interface, to minimize the effort required to implement this interface.*

- class **AbstractQueue**

  *This class provides skeletal implementations of some **Queue** (p. 3239) operations.*

- class **AbstractSequentialList**

  *This class provides a skeletal implementation of the **List** (p. 2409) interface to minimize the effort required to implement this interface backed by a "sequential access" data store (such as a linked list).*

- class **AbstractSet**

  *This class provides a skeletal implementation of the **Set** (p. 3538) interface to minimize the effort required to implement this interface.*

- class **Collection**

  The root interface in the collection hierarchy.

- class **Comparator**

  A comparison function, which imposes a total ordering on some collection of objects.

- class **Date**

  Wrapper class around a time value in milliseconds.

- class **Iterator**

  Defines an object that can be used to iterate over the elements of a collection.

- class **List**

  An ordered collection (also known as a sequence).

- class **ListIterator**

  An iterator for lists that allows the programmer to traverse the list in either direction, modify the list during iteration, and obtain the iterator's current position in the list.

- class **Map**

  Map (p. *2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map.*

- class **PriorityQueue**

  An unbounded priority queue based on a binary heap algorithm.

- class **Properties**

  Java-like properties class for mapping string names to string values.

- class **Queue**

  A kind of collection provides advanced operations than other basic collections, such as insertion, extraction, and inspection.

- class **Random**

  Random (p. *3245) Value Generator which is used to generate a stream of pseudorandom numbers.*

- class **Set**

  A collection that contains no duplicate elements.

- class **StlList**

  List (p. *2409) class that wraps the STL list object to provide a simpler interface and additional methods not provided by the STL type.*

- class **StlMap**

  Map (p. *2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map.*

- class **StlQueue**

  The ***Queue*** (p. *3239) class accepts messages with an psuh(m) command where m is the message to be queued.*

- class **StlSet**

Set (p. 3538) *template that wraps around a std::set to provide a more user-friendly interface and to provide common functions that do not exist in std::set.*

- class **StringTokenizer**
- class **Timer**

  A facility for threads to schedule tasks for future execution in a background thread.

- class **TimerTask**

  A Base class for a task object that can be scheduled for one-time or repeated execution by a ***Timer*** (p. 3901).

- class **UUID**

  *A class that represents an immutable universally unique identifier (****UUID*** (p. 4080)).

5.53 decaf::util::comparators Namespace Reference

Data Structures

- class **Less**

  Simple ***Less*** (p. 2399) ***Comparator*** (p. 1251) *that compares to elements to determine if the first is less than the second.*

5.54 decaf::util::concurrent Namespace Reference

Namespaces

- namespace **atomic**
- namespace **locks**

Data Structures

- class **ConditionHandle**
- class **MutexHandle**
- class **BlockingQueue**

  A ***decaf::util::Queue*** (p. 3239) *that additionally supports operations that wait for the queue to become non-empty when retrieving an element, and wait for space to become available in the queue when storing an element.*

- class **BrokenBarrierException**
- class **Callable**

  A task that returns a result and may throw an exception.

- class **CancellationException**
- class **ConcurrentMap**

  *Interface for a **Map** (p. 2538) type that provides additional atomic putIfAbsent, remove, and replace methods alongside the already available **Map** (p. 2538) interface.*

- class **ConcurrentStlMap**

  ***Map** (p. 2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map.*

- class **CountDownLatch**
- class **Delayed**

  A mix-in style interface for marking objects that should be acted upon after a given delay.

- class **ExecutionException**
- class **Executor**

  *An object that executes submitted **decaf.lang.Runnable** (p. 3418) tasks.*

- class **ExecutorService**

  *An **Executor** (p. 1926) that provides methods to manage termination and methods that can produce a **Future** (p. 2029) for tracking progress of one or more asynchronous tasks.*

- class **Future**

  *A **Future** (p. 2029) represents the result of an asynchronous computation.*

- class **Lock**

  A wrapper class around a given synchronization mechanism that provides automatic release upon destruction.

- class **Mutex**

  ***Mutex** (p. 2866) object that offers recursive support on all platforms as well as providing the ability to use the standard wait / notify pattern used in languages like Java.*

- class **PooledThread**
- class **PooledThreadListener**

  *Abstract Listener Interface for users of **`ThreadPool`** (p. 3888).*

- class **RejectedExecutionException**
- class **RejectedExecutionHandler**

  *A handler for tasks that cannot be executed by a **ThreadPoolExecutor** (p. **??**).*

- class **Semaphore**

  A counting semaphore.

- class **Synchronizable**

  The interface for all synchronizable objects (that is, objects that can be locked and unlocked).

- class **SynchronousQueue**

  *A **blocking queue** (p. 848) in which each insert operation must wait for a corresponding remove operation by another thread, and vice versa.*

- class **TaskListener**
- class **ThreadFactory**

  *public interface **ThreadFactory** (p. 3887)*

- class **ThreadPool**

  Defines a Thread Pool object that implements the functionality of pooling threads to perform user tasks.

- class **TimeoutException**
- class **TimeUnit**

  *A **TimeUnit** (p. 3919) represents time durations at a given unit of granularity and provides utility methods to convert across units, and to perform timing and delay operations in these units.*

5.55 decaf::util::concurrent::atomic Namespace Reference

Data Structures

- class **AtomicBoolean**

  A boolean value that may be updated atomically.

- class **AtomicInteger**

  An int value that may be updated atomically.

- class **AtomicRefCounter**
- class **AtomicReference**

  An Pointer reference that may be updated atomically.

5.56 decaf::util::concurrent::locks Namespace Reference

Data Structures

- class **Condition**

  ***Condition** (p. 1282) factors out the **Mutex** (p. 2866) monitor methods (wait, notify and notifyAll) into distinct objects to give the effect of having multiple wait-sets per object, by combining them with the use of arbitrary **Lock** (p. 2452) implementations.*

- class **Lock**

Lock (p. 2452) *implementations provide more extensive locking operations than can be obtained using synchronized statements.*

- class **LockSupport**

  Basic thread blocking primitives for creating locks and other synchronization classes.

- class **ReadWriteLock**

  A ***ReadWriteLock*** *(p. 3263) maintains a pair of associated locks, one for read-only operations and one for writing.*

- class **ReentrantLock**

  A reentrant mutual exclusion ***Lock*** *(p. 2452) with extended capabilities.*

5.57 decaf::util::logging Namespace Reference

Data Structures

- class **ConsoleHandler**

  This ***Handler*** *(p. 2042) publishes log records to System.err.*

- class **ErrorManager**

  ErrorManager *(p. 1884) objects can be attached to Handlers to process any error that occur on a* ***Handler*** *(p. 2042) during Logging.*

- class **Filter**

  A ***Filter*** *(p. 1949) can be used to provide fine grain control over what is logged, beyond the control provided by log levels.*

- class **Formatter**

  A ***Formatter*** *(p. 2027) provides support for formatting LogRecords.*

- class **Handler**

  A ***Handler*** *(p. 2042) object takes log messages from a* ***Logger*** *(p. 2461) and exports them.*

- class **Level**

  The ***Level*** *(p. 2403) class defines a set of standard logging levels that can be used to control logging output.*

- class **Logger**

  A ***Logger*** *(p. 2461) object is used to log messages for a specific system or application component.*

- class **LoggerHierarchy**
- class **LogManager**

*There is a single global **LogManager** (p. 2480) object that is used to maintain a set of shared state about Loggers and log services.*

- class **LogRecord**

  ***LogRecord** (p. 2487) objects are used to pass logging requests between the logging framework and individual log Handlers.*

- class **LogWriter**
- class **MarkBlockLogger**

  Defines a class that can be used to mark the entry and exit from scoped blocks.

- class **PropertiesChangeListener**

  *Defines the interface that classes can use to listen for change events on **Properties** (p. 3216).*

- class **SimpleFormatter**

  *Print a brief summary of the **LogRecord** (p. 2487) in a human readable format.*

- class **SimpleLogger**
- class **StreamHandler**

  *Stream based logging **Handler** (p. 2042).*

- class **XMLFormatter**

  *Format a **LogRecord** (p. 2487) into a standard XML format.*

Enumerations

- enum **Levels** {
  Off, **Null**, **Markblock**, **Debug**,
  Info, **Warn**, **Error**, **Fatal**,
  Throwing }

  Defines an enumeration for logging levels.

5.57.1 Enumeration Type Documentation

5.57.1.1 enum decaf::util::logging::Levels

Defines an enumeration for logging levels.

Enumerator:

Off

Null

Markblock

Debug
Info
Warn
Error
Fatal
Throwing

5.58 decaf::util::zip Namespace Reference

Data Structures

- class **Adler32**

  Clas that can be used to compute an Adler-32 ***Checksum*** *(*p. *1174) for a data stream.*

- class **CheckedInputStream**

  An implementation of a FilterInputStream that will maintain a ***Checksum*** *(*p. *1174) of the bytes read, the* ***Checksum*** *(*p. *1174) can then be used to verify the integrity of the input stream.*

- class **CheckedOutputStream**

  An implementation of a FilterOutputStream that will maintain a ***Checksum*** *(*p. *1174) of the bytes written, the* ***Checksum*** *(*p. *1174) can then be used to verify the integrity of the output stream.*

- class **Checksum**

  An interface used to represent ***Checksum*** *(*p. *1174) values in the Zip package.*

- class **CRC32**

  Class that can be used to compute a CRC-32 checksum for a data stream.

- class **DataFormatException**
- class **Deflater**

  This class compresses data using the DEFLATE algorithm (see `specification`*).*

- class **DeflaterOutputStream**

  Provides a FilterOutputStream instance that compresses the data before writing it to the wrapped OutputStream.

- class **Inflater**

  This class uncompresses data that was compressed using the DEFLATE algorithm (see `specification`*).*

- class **InflaterInputStream**

  A FilterInputStream that decompresses data read from the wrapped InputStream instance.

- class **ZipException**

5.59 std Namespace Reference

Data Structures

- struct **less**< **decaf::lang::ArrayPointer**< **T** > >

  An override of the less function object so that the Pointer objects can be stored in STL Maps, etc.

- struct **less**< **decaf::lang::Pointer**< **T** > >

  An override of the less function object so that the Pointer objects can be stored in STL Maps, etc.

Chapter 6

Data Structure Documentation

6.1 decaf::util::AbstractCollection< E > Class Template Reference

This class provides a skeletal implementation of the **Collection** (p. 1216) interface, to minimize the effort required to implement this interface.

`#include <src/main/decaf/util/AbstractCollection.h>`

Inheritance diagram for decaf::util::AbstractCollection< E >:

Public Member Functions

- **AbstractCollection** ()
- virtual ~**AbstractCollection** ()
- **AbstractCollection**< E > & **operator=** (const **AbstractCollection**< E > &collection)

  Assignment Operator, copy element from the source collection to this collection after clearing any element stored in this collection.

- virtual bool **add** (const E &value DECAF_UNUSED) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException)

  Ensures that this collection contains the specified element (optional operation).

- virtual bool **addAll** (const **Collection**< E > &collection) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException)

  Adds all of the elements in the specified collection to this collection (optional operation).

- virtual void **clear** () throw (lang::exceptions::UnsupportedOperationException)

Removes all of the elements from this collection (optional operation).

- virtual void **copy** (const **Collection**< E > &collection)

  *Renders this **Collection** (p. 1216) as a Copy of the given **Collection** (p. 1216).*

- virtual bool **contains** (const E &value) const throw (lang::Exception)

  Returns true if this collection contains the specified element.

- virtual bool **containsAll** (const **Collection**< E > &collection) const throw (lang::Exception)

  Returns true if this collection contains all of the elements in the specified collection.

- virtual bool **equals** (const **Collection**< E > &collection) const

  *Answers true if this **Collection** (p. 1216) and the one given are the same size and if each element contained in the **Collection** (p. 1216) given is equal to an element contained in this collection.*

- virtual bool **isEmpty** () const

  Returns true if this collection contains no elements.

- virtual bool **remove** (const E &value) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException)

  Removes a single instance of the specified element from this collection, if it is present (optional operation).

- virtual bool **removeAll** (const **Collection**< E > &collection) throw (lang::exceptions::UnsupportedOperat lang::exceptions::IllegalArgumentException)

  Removes all of this collection's elements that are also contained in the specified collection (optional operation).

- virtual bool **retainAll** (const **Collection**< E > &collection) throw (lang::exceptions::UnsupportedOperati lang::exceptions::IllegalArgumentException)

  Retains only the elements in this collection that are contained in the specified collection (optional operation).

- virtual std::vector< E > **toArray** () const

  *Answers an STL vector containing copies of all elements contained in this **Collection** (p. 1216).*

- virtual void **lock** () throw (decaf::lang::exceptions::RuntimeException)

  Locks the object.

- virtual bool **tryLock** () throw (decaf::lang::exceptions::RuntimeException)

  Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

- virtual void **unlock** () throw (decaf::lang::exceptions::RuntimeException)

  Unlocks the object.

- virtual void **wait** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateEx decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs, int nanos) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **notify** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals a waiter on this object that it can now wake up and continue.

- virtual void **notifyAll** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals the waiters on this object that it can now wake up and continue.

Protected Attributes

- **util::concurrent::Mutex mutex**

6.1.1 Detailed Description

template<typename E> class decaf::util::AbstractCollection< E >

This class provides a skeletal implementation of the **Collection** (p. 1216) interface, to minimize the effort required to implement this interface. To implement an unmodifiable collection, the programmer needs only to extend this class and provide implementations for the iterator and size methods. (The iterator returned by the iterator method must implement hasNext and next.)

To implement a modifiable collection, the programmer must additionally override this class's add method (which otherwise throws an UnsupportedOperationException), and the iterator returned by the iterator method must additionally implement its remove method.

The programmer should generally provide a void (no argument) and **Collection** (p. 1216) constructor, as per the recommendation in the **Collection** (p. 1216) interface specification.

The documentation for each non-abstract method in this class describes its implementation in detail. Each of these methods may be overridden if the collection being implemented admits a more efficient implementation.

Since

1.0

6.1.2 Constructor & Destructor Documentation

6.1.2.1 template<typename E> decaf::util::AbstractCollection< E >::AbstractCollection ( ) [inline]

6.1.2.2 template<typename E> virtual decaf::util::AbstractCollection< E >::~AbstractCollection ( ) [inline, virtual]

6.1.3 Member Function Documentation

6.1.3.1 template<typename E> virtual bool decaf::util::AbstractCollection< E >::add (const E &value *DECAF_UNUSED*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException) [inline, virtual]

Ensures that this collection contains the specified element (optional operation).

Returns true if this collection changed as a result of the call. (Returns false if this collection does not permit duplicates and already contains the specified element.)

Collections that support this operation may place limitations on what elements may be added to this collection. **Collection** (p. 1216) classes should clearly specify in their documentation any restrictions on what elements may be added.

If a collection refuses to add a particular element for any reason other than that it already contains the element, it must throw an exception (rather than returning false). This preserves the invariant that a collection always contains the specified element after this call returns.

This implementation always throws an UnsupportedOperationException.

Parameters

value	- The element that must be ensured to be in this collection.

Returns

true if the collection was changed as a result of this call.

Exceptions

UnsupportedOperationException	if the add operation is not supported by this collection

IllegalArgumentException	if some property of the element prevents it from being added to this collection
IllegalStateException	if the element cannot be added at this time due to insertion restrictions

Referenced by decaf::util::AbstractCollection< cms::Connection * >::addAll(), decaf::util::AbstractCollection< cms::Connection * >::copy(), and decaf::util::AbstractCollection< cms::Connection * >::operator=().

6.1.3.2 template<typename E> virtual bool decaf::util::AbstractCollection< E >::addAll (const Collection< E > & *collection*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException) [inline, virtual]

Adds all of the elements in the specified collection to this collection (optional operation).

The behavior of this operation is undefined if the specified collection is modified while the operation is in progress. (This implies that the behavior of this call is undefined if the specified collection is this collection, and this collection is nonempty.)

This implementation iterates over the specified collection, and adds each object returned by the iterator to this collection, in turn.

Note that this implementation will throw an UnsupportedOperationException unless add is overridden (assuming the specified collection is non-empty).

Parameters

collection	- The **Collection** (p. 1216) whose elements are to be added to this **Collection** (p. 1216).

Returns

true if the collection was changed as a result of this call.

Exceptions

UnsupportedOperationException	if the addAll operation is not supported by this collection
IllegalArgumentException	if some property of the element prevents it from being added to this collection
IllegalStateException	if the element cannot be added at this time due to insertion restrictions

Implements **decaf::util::Collection< E >** (p. 1219).

Reimplemented in **decaf::util::AbstractQueue< E >** (p. 177).

6.1.3.3 template<typename E> virtual void decaf::util::AbstractCollection< E >::clear ( ) throw (lang::exceptions::UnsupportedOperationException) [inline, virtual]

Removes all of the elements from this collection (optional operation).

The collection will be empty after this method returns.

This implementation iterates over this collection, removing each element using the **Iterator.remove** (p. 2223) operation. Most implementations will probably choose to override this method for efficiency.

Note that this implementation will throw an UnsupportedOperationException if the iterator returned by this collection's iterator method does not implement the remove method and this collection is non-empty.

Exceptions

UnsupportedOperationException	if the clear operation is not supported by this collection

Implements **decaf::util::Collection< E >** (p. 1220).

Reimplemented in **decaf::util::AbstractQueue< E >** (p. 178), **decaf::util::concurrent::SynchronousQueue< E >** (p. 3830), **decaf::util::PriorityQueue< E >** (p. 3120), **decaf::util::StlList< E >** (p. 3702), **decaf::util::StlSet< E >** (p. 3735), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3702), **decaf::util::StlList< CompositeTask * >** (p. 3702), **decaf::util::StlList< URI >** (p. 3702), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3702), **decaf::util::StlList< PrimitiveValueNode >** (p. 3702), **decaf::util::StlList< Pointer< Command > >** (p. 3702), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3702), **decaf::util::StlList< cms::MessageProducer * >** (p. 3702), **decaf::util::StlList< cms::Destination * >** (p. 3702), **decaf::util::StlList< cms::Session * >** (p. 3702), **decaf::util::StlList< cms::Connection * >** (p. 3702), **decaf::util::StlSet< transport::TransportListener * >** (p. 3735), **decaf::util::StlSet< Pointer< Synchronization > >** (p. 3735), **decaf::util::StlSet< Resource * >** (p. 3735), and **decaf::util::StlSet< ActiveMQSession * >** (p. 3735).

Referenced by decaf::util::AbstractCollection< cms::Connection * >::copy(), and decaf::util::AbstractCollection< cms::Connection * >::operator=().

6.1.3.4 template<typename E> virtual bool decaf::util::AbstractCollection< E >::contains (const E & *value*) const throw (lang::Exception) [inline, virtual]

Returns true if this collection contains the specified element.

This implementation iterates over the elements in the collection, checking each element in turn for equality with the specified element.

Parameters

value	- the value whose presence is to be queried for in this **Collection** (p. 1216).

Returns

true if the value is contained in this collection

Exceptions

Exception	if an error occurs,

Implements **decaf::util::Collection< E >** (p. 1221).

Reimplemented in **decaf::util::StlList< E >** (p. 3702), **decaf::util::StlSet< E >** (p. 3736), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3702), **decaf::util::StlList< CompositeTask * >** (p. 3702), **decaf::util::StlList< URI >** (p. 3702), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3702), **decaf::util::StlList< PrimitiveValueNode >** (p. 3702), **decaf::util::StlList< Pointer< Command > >** (p. 3702), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3702), **decaf::util::StlList< cms::MessageProducer * >** (p. 3702), **decaf::util::StlList< cms::Destination * >** (p. 3702), **decaf::util::StlList< cms::Session * >** (p. 3702), **decaf::util::StlList< cms::Connection * >** (p. 3702), **decaf::util::StlSet< transport::TransportListener * >** (p. 3736), **decaf::util::StlSet< Pointer< Synchronization > >** (p. 3736), **decaf::util::StlSet< Resource * >** (p. 3736), and **decaf::util::StlSet< ActiveMQSession * >** (p. 3736).

Referenced by decaf::util::AbstractCollection< cms::Connection * >::containsAll().

6.1.3.5 template<typename E> virtual bool decaf::util::AbstractCollection< E >::containsAll (const Collection< E > & *collection*) const throw (lang::Exception) `[inline, virtual]`

Returns true if this collection contains all of the elements in the specified collection.

This implementation iterates over the specified collection, checking each element returned by the iterator in turn to see if it's contained in this collection. If all elements are so contained true is returned, otherwise false.

Parameters

collection	collection to be checked for containment in this collection

Returns

true if this collection contains all of the elements in the specified collection.

Exceptions

Exception	if an error occurs,

Implements **decaf::util::Collection< E >** (p. 1222).

Reimplemented in **decaf::util::concurrent::SynchronousQueue< E >** (p. 3830).

Referenced by decaf::util::AbstractCollection< cms::Connection * >::equals().

6.1.3.6 template<typename E> virtual void decaf::util::AbstractCollection< E >::copy (const Collection< E > & *collection*) [inline, virtual]

Renders this **Collection** (p. 1216) as a Copy of the given **Collection** (p. 1216).

This implementation iterates over the contents of the given collection adding each to this collection after first calling this Collection's clear method.

Parameters

collection	- the collection to mirror.

6.1.3.7 template<typename E> virtual bool decaf::util::AbstractCollection< E >::equals (const Collection< E > & *collection*) const [inline, virtual]

Answers true if this **Collection** (p. 1216) and the one given are the same size and if each element contained in the **Collection** (p. 1216) given is equal to an element contained in this collection.

Parameters

collection	- The **Collection** (p. 1216) to be compared to this one.

Returns

true if this **Collection** (p. 1216) is equal to the one given.

Implements **decaf::util::Collection**< **E** > (p. 1222).

Reimplemented in **decaf::util::concurrent::SynchronousQueue**< **E** > (p. 3832).

6.1.3.8 template<typename E> virtual bool decaf::util::AbstractCollection< E >::isEmpty ( ) const [inline, virtual]

Returns true if this collection contains no elements.

This implementation returns **size()** (p. 1226) == 0.

Returns

true if the size method return 0.

Implements **decaf::util::Collection**< **E** > (p. 1223).

Reimplemented in **decaf::util::concurrent::SynchronousQueue**< **E** > (p. 3833), **decaf::util::StlList**< **E** > (p. 3704), **decaf::util::StlSet**< **E** > (p. 3736), **decaf::util::StlList**< **cms::MessageConsumer** ∗ > (p. 3704), **decaf::util::StlList**< **CompositeTask** ∗ > (p. 3704), **decaf::util::StlList**< **URI** > (p. 3704), **decaf::util::StlList**< **Pointer**< **DestinationInfo** > > (p. 3704), **decaf::util::StlList**< **PrimitiveValueNode** > (p. 3704), **decaf::util::StlList**< **Pointer**< **Command** > > (p. 3704), **decaf::util::StlList**< **Pointer**<

BackupTransport > > (p. 3704), **decaf::util::StlList**< **cms::MessageProducer** ∗ > (p. 3704), **decaf::util::StlList**< **cms::Destination** ∗ > (p. 3704), **decaf::util::StlList**< **cms::Session** ∗ > (p. 3704), **decaf::util::StlList**< **cms::Connection** ∗ > (p. 3704), **decaf::util::StlSet**< **transport::TransportListener** ∗ > (p. 3736), **decaf::util::StlSet**< **Pointer**< **Synchronization** > > (p. 3736), **decaf::util::StlSet**< **Resource** ∗ > (p. 3736), and **decaf::util::StlSet**< **ActiveMQSession** ∗ > (p. 3736).

Referenced by decaf::util::AbstractQueue< E >::clear().

6.1.3.9 template<typename E> virtual void decaf::util::AbstractCollection< E >::lock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Locks the object.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3812).

6.1.3.10 template<typename E> virtual void decaf::util::AbstractCollection< E >::notify ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals a waiter on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.
RuntimeException	if an error occurs while notifying one of the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3813).

6.1.3.11 template<typename E> virtual void decaf::util::AbstractCollection< E >::notifyAll ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals the waiters on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.
RuntimeException	if an error occurs while notifying the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3814).

6.1.3.12 template<typename E> AbstractCollection<E>& decaf::util::AbstractCollection< E >::operator= (const AbstractCollection< E > & *collection*) [inline]

Assignment Operator, copy element from the source collection to this collection after clearing any element stored in this collection.

Parameters

collection	- the collection to copy

Returns

a reference to this collection

6.1.3.13 template<typename E> virtual bool decaf::util::AbstractCollection< E >::remove (const E & *value*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException) [inline, virtual]

Removes a single instance of the specified element from this collection, if it is present (optional operation).

More formally, removes the first element e such that e == o, if this collection contains one or more such elements. Returns true if this collection contained the specified element (or equivalently, if this collection changed as a result of the call).

This implementation iterates over the collection looking for the specified element. If it finds the element, it removes the element from the collection using the iterator's remove method.

Note that this implementation throws an UnsupportedOperationException if the iterator returned by this collection's iterator method does not implement the remove method and this collection contains the specified object.

Parameters

value	- element to be removed from this collection, if present

Returns

true if an element was removed as a result of this call

Exceptions

UnsupportedOperationException	if the remove operation is not supported by this collection.
IllegalArgumentException	If the value is not a valid entry for this **Collection** (p. 1216).

Implements **decaf::util::Collection< E >** (p. 1223).

Reimplemented in **decaf::util::PriorityQueue< E >** (p. 3123), **decaf::util::StlList< E >** (p. 3706), **decaf::util::StlSet< E >** (p. 3737), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3706), **decaf::util::StlList< CompositeTask * >** (p. 3706), **decaf::util::StlList< URI >** (p. 3706), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3706), **decaf::util::StlList< PrimitiveValueNode >** (p. 3706), **decaf::util::StlList< Pointer< Command > >** (p. 3706), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3706), **decaf::util::StlList< cms::MessageProducer * >** (p. 3706), **decaf::util::StlList< cms::Destination * >** (p. 3706), **decaf::util::StlList< cms::Session * >** (p. 3706), **decaf::util::StlList< cms::Connection * >** (p. 3706), **decaf::util::StlSet< transport::TransportListener * >** (p. 3737), **decaf::util::StlSet< Pointer< Synchronization > >** (p. 3737), **decaf::util::StlSet< Resource * >** (p. 3737), and **decaf::util::StlSet< ActiveMQSession * >** (p. 3737).

6.1.3.14 template<typename E> virtual bool decaf::util::AbstractCollection< E >::removeAll (const Collection< E > & *collection*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException) `[inline, virtual]`

Removes all of this collection's elements that are also contained in the specified collection (optional operation).

After this call returns, this collection will contain no elements in common with the specified collection.

This implementation iterates over this collection, checking each element returned by the iterator in turn to see if it's contained in the specified collection. If it's so contained, it's removed from this collection with the iterator's remove method.

Note that this implementation will throw an UnsupportedOperationException if the iterator returned by the iterator method does not implement the remove method and this collection contains one or more elements in common with the specified collection.

Parameters

collection	- collection containing elements to be removed from this collection

Returns

true if this collection changed as a result of the call

Exceptions

UnsupportedOperationException	if the remove operation is not supported by this collection

IllegalArgumentException.	

Implements **decaf::util::Collection< E >** (p. 1224).

Reimplemented in **decaf::util::AbstractSet< E >** (p. 181), **decaf::util::AbstractSet< transport::TransportListener * >** (p. 181), **decaf::util::AbstractSet< Pointer< Synchronization > >** (p. 181), **decaf::util::AbstractSet< Resource * >** (p. 181), and **decaf::util::AbstractSet< ActiveMQSession * >** (p. 181).

6.1.3.15 template<typename E> virtual bool decaf::util::AbstractCollection< E >::retainAll (const Collection< E > & *collection*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException) [inline, virtual]

Retains only the elements in this collection that are contained in the specified collection (optional operation).

In other words, removes from this collection all of its elements that are not contained in the specified collection.

This implementation iterates over this collection, checking each element returned by the iterator in turn to see if it's contained in the specified collection. If it's not so contained, it's removed from this collection with the iterator's remove method.

Note that this implementation will throw an UnsupportedOperationException if the iterator returned by the iterator method does not implement the remove method and this collection contains one or more elements not present in the specified collection.

Parameters

collection	- collection containing elements to be retained in this collection

Returns

true if this collection changed as a result of the call

Exceptions

UnsupportedOperationException	if the remove operation is not supported by this collection
IllegalArgumentException.	

Implements **decaf::util::Collection< E >** (p. 1225).

6.1.3.16 template<typename E> virtual std::vector<E> decaf::util::AbstractCollection< E >::toArray ( ) const [inline, virtual]

Answers an STL vector containing copies of all elements contained in this **Collection** (p. 1216).

All the elements in the array will not be referenced by the collection. The elements in the returned array will be sorted to the same order as those returned by the iterator of this collection itself if the collection guarantees the order.

Returns

an vector of copies of all the elements from this **Collection** (p. 1216)

Implements **decaf::util::Collection< E >** (p. 1226).

Reimplemented in **decaf::util::concurrent::SynchronousQueue< E >** (p. 3838).

6.1.3.17 template<typename E> virtual bool decaf::util::AbstractCollection< E >::tryLock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

Returns

true if the lock was acquired, false if it is already held by another thread.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3815).

6.1.3.18 template<typename E> virtual void decaf::util::AbstractCollection< E >::unlock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Unlocks the object.

Exceptions

RuntimeException	if an error occurs while unlocking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3816).

6.1.3.19 template<typename E> virtual void decaf::util::AbstractCollection< E >::wait ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling.

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3818).

6.1.3.20 template<typename E> virtual void decaf::util::AbstractCollection< E >::wait (long long *millisecs*, int *nanos*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval. This method is similar to the one argument wait function except that it add a finer grained control over the amount of time that it waits by adding in the additional nanosecond argument.

NOTE: The ability to wait accurately at a nanosecond scale depends on the platform and OS that the Decaf API is running on, some systems do not provide an accurate enough clock to provide this level of granularity.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE
nanos	additional time in nanoseconds with a range of 0-999999

Exceptions

IllegalArgumentException	if an error occurs or the nanos argument is not in the range of [0-999999]
RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3820).

6.1.3.21 template<typename E> virtual void decaf::util::AbstractCollection< E >::wait (long long *millisecs*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorState-Exception	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3819).

6.1.4 Field Documentation

6.1.4.1 template<typename E> util::concurrent::Mutex decaf::util::AbstractCollection< E >::mutex [mutable, protected]

Referenced by decaf::util::AbstractCollection< cms::Connection ∗ >::lock(), decaf::util::AbstractCollection< cms::Connection ∗ >::notify(), decaf::util::AbstractCollection< cms::Connection ∗ >::notifyAll(), decaf::util::AbstractCollection< cms::Connection ∗ >::tryLock(), decaf::util::AbstractCollection< cms::Connection ∗ >::unlock(), and decaf::util::AbstractCollection< cms::Connection ∗ >::wait().

The documentation for this class was generated from the following file:

- src/main/decaf/util/**AbstractCollection.h**

6.2 decaf::util::AbstractList< E > Class Template Reference

This class provides a skeletal implementation of the **List** (p. 2409) interface to minimize the effort required to implement this interface backed by a "random access" data store (such as an array).

```
#include <src/main/decaf/util/AbstractList.h>
```

Inheritance diagram for decaf::util::AbstractList< E >:

Public Member Functions

- virtual ~**AbstractList** ()

6.2.1 Detailed Description

template<typename E> class decaf::util::AbstractList< E >

This class provides a skeletal implementation of the **List** (p. 2409) interface to minimize the effort required to implement this interface backed by a "random access" data store (such as an array). For sequential access data (such as a linked list), **AbstractSequentialList** (p. 179) should be used in preference to this class.

To implement an unmodifiable list, the programmer needs only to extend this class and provide implementations for the get(int) and **size()** (p. 1226) methods.

To implement a modifiable list, the programmer must additionally override the set(int, E) method (which otherwise throws an UnsupportedOperationException). If the list is variable-size the programmer must additionally override the add(int, E) and remove(int) methods.

The programmer should generally provide a void (no argument) and collection constructor, as per the recommendation in the **Collection** (p. 1216) interface specification.

Unlike the other abstract collection implementations, the programmer does not have to provide an iterator implementation; the iterator and list iterator are implemented by this class, on top of the "random access" methods: get(int), set(int, E), add(int, E) and remove(int).

The documentation for each non-abstract method in this class describes its implementation in detail. Each of these methods may be overridden if the collection being implemented admits a more efficient implementation.

Since

1.0

6.2.2 Constructor & Destructor Documentation

6.2.2.1 template<typename E > virtual decaf::util::AbstractList< E >::~AbstractList ( ) [inline, virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/util/**AbstractList.h**

6.3 decaf::util::AbstractMap< K, V, COMPARATOR > Class Template Reference

This class provides a skeletal implementation of the **Map** (p. 2538) interface, to minimize the effort required to implement this interface.

```
#include <src/main/decaf/util/AbstractMap.h>
```

Inheritance diagram for decaf::util::AbstractMap< K, V, COMPARATOR >:

Public Member Functions

- virtual ~**AbstractMap** ()

6.3.1 Detailed Description

template<typename K, typename V, typename COMPARATOR> class decaf::util::AbstractMap< K, V, COMPARATOR >

This class provides a skeletal implementation of the **Map** (p. 2538) interface, to minimize the effort required to implement this interface. To implement an unmodifiable map, the programmer needs only to extend this class and provide an implementation for the entrySet method, which returns a set-view of the map's mappings. Typically, the returned set will, in turn, be implemented atop **AbstractSet** (p. 180). This set should not support the add or remove methods, and its iterator should not support the remove method.

To implement a modifiable map, the programmer must additionally override this class's put method (which otherwise throws an UnsupportedOperationException), and the iterator returned by entrySet().iterator() must additionally implement its remove method.

The programmer should generally provide a void (no argument) and map constructor, as per the recommendation in the **Map** (p. 2538) interface specification.

The documentation for each non-abstract method in this class describes its implementation in detail. Each of these methods may be overridden if the map being implemented admits a more efficient implementation.

Since

1.0

6.3.2 Constructor & Destructor Documentation

6.3.2.1 template<typename K , typename V , typename COMPARATOR > virtual decaf::util::AbstractMap< K, V, COMPARATOR >::~AbstractMap ( ) [inline, virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/util/**AbstractMap.h**

6.4 decaf::util::AbstractQueue< E > Class Template Reference

This class provides skeletal implementations of some **Queue** (p. 3239) operations.

`#include <src/main/decaf/util/AbstractQueue.h>`

Inheritance diagram for decaf::util::AbstractQueue< E >:

Public Member Functions

- **AbstractQueue** ()
- virtual ~**AbstractQueue** ()
- virtual bool **add** (const E &value) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Inserts the specified element into this queue if it is possible to do so immediately without violating capacity restrictions, returning true upon success and throwing an IllegalStateException if no space is currently available.

- virtual bool **addAll** (const **Collection**< E > &collection) throw (lang::exceptions::UnsupportedOperation lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException)

  Adds all the elements of a collection to the queue.

- virtual E **remove** () throw (decaf::lang::exceptions::NoSuchElementException)

  Retrieves and removes the head of this queue.

- virtual E **element** () const throw (decaf::lang::exceptions::NoSuchElementException)

  Retrieves, but does not remove, the head of this queue.

- virtual void **clear** () throw (lang::exceptions::UnsupportedOperationException)

  Removes all elements of the queue.

6.4.1 Detailed Description

template<typename E> class decaf::util::AbstractQueue< E >

This class provides skeletal implementations of some **Queue** (p. 3239) operations. Methods add, remove, and element are based on offer, poll, and peek, respectively.

A **Queue** (p. 3239) implementation that extends this class must minimally define a method **Queue** (p. 3239). offer(E) which does not permit insertion of null elements, along with methods **Queue** (p. 3239). **peek()** (p. 3242), **Queue.poll()** (p. 3242), **Collection.size()** (p. 1226), and a **Collection.iterator()** (p. 2221) supporting **Iterator.remove()** (p. 2223). Typically, additional methods will be overridden as well. If these requirements cannot be met, consider instead subclassing **AbstractCollection** (p. 159).

Since

1.0

6.4.2 Constructor & Destructor Documentation

6.4.2.1 template<typename E > decaf::util::AbstractQueue< E >::AbstractQueue ( ) [inline]

6.4.2.2 template<typename E > virtual decaf::util::AbstractQueue< E >::~AbstractQueue ( ) [inline, virtual]

6.4.3 Member Function Documentation

6.4.3.1 template<typename E > virtual bool decaf::util::AbstractQueue< E >::add (const E & *value*) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException) [inline, virtual]

Inserts the specified element into this queue if it is possible to do so immediately without violating capacity restrictions, returning true upon success and throwing an IllegalStateException if no space is currently available.

This implementation returns true if offer succeeds, else throws an IllegalStateException.

Parameters

value	- the element to offer to the **Queue** (p. 3239).

Returns

true if the add succeeds.

Exceptions

IllegalArgumentException	if the element cannot be added.

Implements **decaf::util::Collection< E >** (p. 1218).

Reimplemented in **decaf::util::PriorityQueue< E >** (p. 3120).

References decaf::util::Queue< E >::offer().

6.4.3.2 template<typename E > virtual bool decaf::util::AbstractQueue< E >::addAll (const Collection< E > & *collection*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException) [inline, virtual]

Adds all the elements of a collection to the queue.

If the collection is the queue itself, then an IllegalArgumentException will be thrown out. If during the process, some runtime exception is thrown out, then part of the elements in the collection that have successfully added will remain in the queue.

The result of the method is undefined if the collection is modified during the process of the method.

Parameters

collection	- the collection to be added to the queue.

Returns

true if the operation succeeds.

Exceptions

IllegalArgumentException	If the collection to be added to the queue is the queue itself.

Reimplemented from **decaf::util::AbstractCollection< E >** (p. 163).

6.4.3.3 template<typename E > virtual void decaf::util::AbstractQueue< E >::clear ( ) throw (lang::exceptions::UnsupportedOperationException) [inline, virtual]

Removes all elements of the queue.

This implementation repeatedly invokes poll until it returns the empty marker.

Reimplemented from **decaf::util::AbstractCollection< E >** (p. 163).

Reimplemented in **decaf::util::concurrent::SynchronousQueue< E >** (p. 3830), and **decaf::util::PriorityQueue< E >** (p. 3120).

References decaf::util::AbstractCollection< E >::isEmpty(), and decaf::util::Queue< E >::poll().

6.4.3.4 template<typename E > virtual E decaf::util::AbstractQueue< E >::element ( ) const throw (decaf::lang::exceptions::NoSuchElementException) [inline, virtual]

Retrieves, but does not remove, the head of this queue.

This method differs from peek only in that it throws an exception if this queue is empty.

This implementation returns the result of peek unless the queue is empty.

Returns

the element in the head of the queue.

Exceptions

NoSuchElementException	if the queue is empty.

Implements **decaf::util::Queue< E >** (p. 3241).

References decaf::util::Queue< E >::peek().

Referenced by decaf::util::concurrent::SynchronousQueue< E >::drainTo().

6.4.3.5 template<typename E > virtual E decaf::util::AbstractQueue< E >::remove ( ) throw (decaf::lang::exceptions::NoSuchElementException) [inline, virtual]

Retrieves and removes the head of this queue.

This method differs from poll only in that it throws an exception if this queue is empty.

This implementation returns the result of poll unless the queue is empty.

Returns

a copy of the element in the head of the queue.

Exceptions

NoSuchElementException	if the queue is empty.

Implements **decaf::util::Queue< E >** (p. 3243).

Reimplemented in **decaf::util::PriorityQueue< E >** (p. 3123).

References decaf::util::Queue< E >::poll().

The documentation for this class was generated from the following file:

- src/main/decaf/util/**AbstractQueue.h**

6.5 decaf::util::AbstractSequentialList< E > Class Template Reference

This class provides a skeletal implementation of the **List** (p. 2409) interface to minimize the effort required to implement this interface backed by a "sequential access" data store (such as a linked list).

`#include <src/main/decaf/util/AbstractSequentialList.h>`

Inheritance diagram for decaf::util::AbstractSequentialList< E >:

Public Member Functions

- virtual ~**AbstractSequentialList** ()

6.5.1 Detailed Description

template<typename E> class decaf::util::AbstractSequentialList< E >

This class provides a skeletal implementation of the **List** (p. 2409) interface to minimize the effort required to implement this interface backed by a "sequential access" data store (such as a linked list). For random access data (such as an array), **AbstractList** (p. 173) should be used in preference to this class.

This class is the opposite of the **AbstractList** (p. 173) class in the sense that it implements the "random access" methods (get(int index), set(int index, E element), add(int index, E element) and remove(int index)) on top of the list's list iterator, instead of the other way around.

To implement a list the programmer needs only to extend this class and provide implementations for the listIterator and size methods. For an unmodifiable list, the programmer need only implement the list iterator's hasNext, next, hasPrevious, previous and index methods.

For a modifiable list the programmer should additionally implement the list iterator's set method. For a variable-size list the programmer should additionally implement the list iterator's remove and add methods.

The programmer should generally provide a void (no argument) and collection constructor, as per the recommendation in the **Collection** (p. 1216) interface specification.

Since

1.0

6.5.2 Constructor & Destructor Documentation

6.5.2.1 template<typename E > virtual decaf::util::AbstractSequentialList< E >::~AbstractSequentialList ( ) [inline, virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/util/**AbstractSequentialList.h**

6.6 decaf::util::AbstractSet< E > Class Template Reference

This class provides a skeletal implementation of the **Set** (p. 3538) interface to minimize the effort required to implement this interface.

`#include <src/main/decaf/util/AbstractSet.h>`

Inheritance diagram for decaf::util::AbstractSet< E >:

Public Member Functions

- virtual ~**AbstractSet** ()
- virtual bool **removeAll** (const **Collection**< E > &collection) throw (lang::exceptions::UnsupportedOperationExceptio lang::exceptions::IllegalArgumentException)

  Removes from this set all of its elements that are contained in the specified collection (optional operation).

6.6.1 Detailed Description

template<typename E> class decaf::util::AbstractSet< E >

This class provides a skeletal implementation of the **Set** (p. 3538) interface to minimize the effort required to implement this interface. The process of implementing a set by extending this class is identical to that of implementing a **Collection** (p. 1216) by extending **AbstractCollection** (p. 159), except that all of the methods and constructors in subclasses of this class must obey the additional constraints imposed by the **Set** (p. 3538) interface (for instance, the add method must not permit addition of multiple instances of an object to a set).

Since

1.0

6.6.2 Constructor & Destructor Documentation

6.6.2.1 template<typename E> virtual decaf::util::AbstractSet< E >::~AbstractSet ( ) [inline, virtual]

6.6.3 Member Function Documentation

6.6.3.1 template<typename E> virtual bool decaf::util::AbstractSet< E >::removeAll (const Collection< E > & *collection*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException) [inline, virtual]

Removes from this set all of its elements that are contained in the specified collection (optional operation).

If the specified collection is also a set, this operation effectively modifies this set so that its value is the asymmetric set difference of the two sets.

This implementation determines which is the smaller of this set and the specified collection, by invoking the size method on each. If this set has fewer elements, then the implementation iterates over this set, checking each element returned by the iterator in turn to see if it is contained in the specified collection. If it is so contained, it is removed from this set with the iterator's remove method. If the specified collection has fewer elements, then the implementation iterates over the specified collection, removing from this set each element returned by the iterator, using this set's remove method.

Note that this implementation will throw an UnsupportedOperationException if the iterator returned by the iterator method does not implement the remove method.

Parameters

collection	- The **Collection** (p. 1216) whose elements are to be retained

Returns

true if the collection changed as a result of this call

Exceptions

UnsupportedOperationException	
IllegalArgumentException	

Reimplemented from **decaf::util::AbstractCollection< E >** (p. 169).

The documentation for this class was generated from the following file:

- src/main/decaf/util/**AbstractSet.h**

6.7 activemq::transport::AbstractTransportFactory Class Reference

Abstract implementation of the **TransportFactory** (p. 4003) interface, providing the base functionality that's common to most of the **TransportFactory** (p. 4003) instances.

`#include <src/main/activemq/transport/AbstractTransportFactory.h>`

Inheritance diagram for activemq::transport::AbstractTransportFactory:

Public Member Functions

- virtual ~**AbstractTransportFactory** ()

Protected Member Functions

- virtual **Pointer**< **wireformat::WireFormat** > **createWireFormat** (const **decaf::util::Properties** &properties) throw (decaf::lang::exceptions::NoSuchElementException)

  *Creates the WireFormat that is configured for this **Transport** (p. 3996) and returns it.*

6.7.1 Detailed Description

Abstract implementation of the **TransportFactory** (p. 4003) interface, providing the base functionality that's common to most of the **TransportFactory** (p. 4003) instances.

Since

3.0

6.7.2 Constructor & Destructor Documentation

6.7.2.1 virtual activemq::transport::AbstractTransportFactory::~AbstractTransportFactory ( ) [inline, virtual]

6.7.3 Member Function Documentation

6.7.3.1 virtual Pointer<wireformat::WireFormat> activemq::transport::AbstractTransportFactory::createWireFormat (const decaf::util::Properties & *properties*) throw (decaf::lang::exceptions::NoSuchElementException) [protected, virtual]

Creates the WireFormat that is configured for this **Transport** (p. 3996) and returns it.

The default WireFormat is Openwire.

Parameters

properties	The properties that were configured on the URI.

Returns

a pointer to a WireFormat instance that the caller then owns.

Exceptions

NoSuchElementException	if the configured WireFormat is not found.

The documentation for this class was generated from the following file:

- src/main/activemq/transport/**AbstractTransportFactory.h**

6.8 activemq::core::ActiveMQAckHandler Class Reference

Interface class that is used to give CMS Messages an interface to Ack themselves with.

`#include <src/main/activemq/core/ActiveMQAckHandler.h>`

Public Member Functions

- virtual ~**ActiveMQAckHandler** ()
- virtual void **acknowledgeMessage** (const **commands::Message** *message)=0 throw (cms::CMSException)

  Method called to acknowledge the message passed.

6.8.1 Detailed Description

Interface class that is used to give CMS Messages an interface to Ack themselves with.

Since

2.0

6.8.2 Constructor & Destructor Documentation

6.8.2.1 virtual activemq::core::ActiveMQAckHandler::~ActiveMQAckHandler ( ) [inline, virtual]

6.8.3 Member Function Documentation

6.8.3.1 virtual void activemq::core::ActiveMQAckHandler::acknowledgeMessage (const commands::Message * *message*) throw (cms::CMSException) [pure virtual]

Method called to acknowledge the message passed.

Parameters

message	Message to Acknowledge

Exceptions

CMSException	

The documentation for this class was generated from the following file:

- src/main/activemq/core/**ActiveMQAckHandler.h**

6.9 activemq::commands::ActiveMQBlobMessage Class Reference

`#include <src/main/activemq/commands/ActiveMQBlobMessage.h>`

Inheritance diagram for activemq::commands::ActiveMQBlobMessage:

Public Member Functions

- **ActiveMQBlobMessage** ()
- virtual ~**ActiveMQBlobMessage** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ActiveMQBlobMessage** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual **cms::Message** ∗ **clone** () const

  Clone this message exactly, returns a new instance that the caller is required to delete.

- std::string **getRemoteBlobUrl** () const

  Get the Remote URL of the Blob.

- void **setRemoteBlobUrl** (const std::string &remoteURL)

  Set the Remote URL of the Blob.

- std::string **getMimeType** () const

  Get the Mime Type of the Blob.

- void **setMimeType** (const std::string &mimeType)

  Set the Mime Type of the Blob.

- std::string **getName** () const

  Gets the Name of the Blob.

- void **setName** (const std::string &name)

  Sets the Name of the Blob.

- bool **isDeletedByBroker** () const

  Gets if this Blob is deleted by the Broker.

- void **setDeletedByBroker** (bool value)

  Sets the Deleted By Broker flag.

Static Public Attributes

- static const unsigned char **ID_ACTIVEMQBLOBMESSAGE** = 29
- static const std::string **BINARY_MIME_TYPE**

6.9.1 Constructor & Destructor Documentation

6.9.1.1 activemq::commands::ActiveMQBlobMessage::ActiveMQBlobMessage ( )

6.9.1.2 virtual activemq::commands::ActiveMQBlobMessage::~ActiveMQBlobMessage ( ) [inline, virtual]

6.9.2 Member Function Documentation

6.9.2.1 virtual cms::Message* activemq::commands::ActiveMQBlobMessage::clone ( ) const [inline, virtual]

Clone this message exactly, returns a new instance that the caller is required to delete.

Returns

new copy of this message

Implements **cms::Message** (p. 2620).

6.9.2.2 virtual ActiveMQBlobMessage* activemq::commands::ActiveMQBlobMessage::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::Message** (p. 2601).

6.9.2.3 virtual void activemq::commands::ActiveMQBlobMessage::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::Message** (p. 2602).

6.9.2.4 virtual bool activemq::commands::ActiveMQBlobMessage::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 423).

6.9.2.5 virtual unsigned char activemq::commands::ActiveMQBlobMessage::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::Message** (p. 2604).

6.9.2.6 std::string activemq::commands::ActiveMQBlobMessage::getMimeType ( ) const [inline]

Get the Mime Type of the Blob.

Returns

string holding the MIME Type.

6.9.2.7 std::string activemq::commands::ActiveMQBlobMessage::getName ( ) const [inline]

Gets the Name of the Blob.

Returns

string name of the Blob.

6.9.2.8 std::string activemq::commands::ActiveMQBlobMessage::getRemoteBlobUrl ( ) const [inline]

Get the Remote URL of the Blob.

Returns

string from of the Remote Blob URL.

6.9.2.9 bool activemq::commands::ActiveMQBlobMessage::isDeletedByBroker ( ) const [inline]

Gets if this Blob is deleted by the Broker.

Returns

true if the Blob is deleted by the Broker.

6.9.2.10 void activemq::commands::ActiveMQBlobMessage::setDeletedByBroker (bool *value*) [inline]

Sets the Deleted By Broker flag.

Parameters

value	- set the Delete by broker flag to value.

6.9.2.11 void activemq::commands::ActiveMQBlobMessage::setMimeType (const std::string & *mimeType*) [inline]

Set the Mime Type of the Blob.

Parameters

mimeType	- String holding the MIME Type.

6.9.2.12 void activemq::commands::ActiveMQBlobMessage::setName (const std::string & *name*) [inline]

Sets the Name of the Blob.

Parameters

name	- Name of the Blob.

6.9.2.13 void activemq::commands::ActiveMQBlobMessage::setRemoteBlobUrl (const std::string & *remoteURL*) [inline]

Set the Remote URL of the Blob.

Parameters

remoteURL	- String form of the Remote URL.

6.9.2.14 virtual std::string activemq::commands::ActiveMQBlobMessage::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::Message** (p. 2611).

6.9.3 Field Documentation

6.9.3.1 const std::string activemq::commands::ActiveMQBlobMessage::BINARY_MIME_TYPE [static]

6.9.3.2 const unsigned char activemq::commands::ActiveMQBlobMessage::ID_ACTIVEMQBLOBMESSAGE = 29 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQBlobMessage.h**

6.10 activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 189).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQBlobMes
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller:

Public Member Functions

- **ActiveMQBlobMessageMarshaller** ()
- virtual ~**ActiveMQBlobMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.10.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 189).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.10.2 Constructor & Destructor Documentation

6.10.2.1 activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller::ActiveMQBlobMessageMarshaller ( ) [inline]

6.10.2.2 virtual activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller::∼ActiveMQBlobMessageMarshaller ( ) [inline, virtual]

6.10.3 Member Function Documentation

6.10.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.10.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller::getDataStruct ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.10.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.10.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.10.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2787).

6.10.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

6.10.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQBlobMessageMarshaller.h**

6.11 activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 194).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQBlobMes
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller:

Public Member Functions

- **ActiveMQBlobMessageMarshaller** ()
- virtual ∼**ActiveMQBlobMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.11.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 194).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.11.2 Constructor & Destructor Documentation

6.11.2.1 activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller::ActiveMQBlobMessageMarshaller ( ) [inline]

6.11.2.2 virtual activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller::~ActiveMQBlobMessageMa ( ) [inline, virtual]

6.11.3 Member Function Documentation

6.11.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.11.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller::getDataStruct ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.11.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2799).

6.11.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.11.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.11.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2801).

6.11.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2802).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQBlobMessageMarshaller.h**

6.12 activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 198).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQBlobMessageMarsh`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller:

Public Member Functions

- **ActiveMQBlobMessageMarshaller** ()
- virtual ~**ActiveMQBlobMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.12.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 198).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.12.2 Constructor & Destructor Documentation

6.12.2.1 activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller::ActiveMQBlobMessageMarshaller ( ) [inline]

6.12.2.2 virtual activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller::~ActiveMQBlobMessageMa ( ) [inline, virtual]

6.12.3 Member Function Documentation

6.12.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.12.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller::getDataStruct ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.12.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.12.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.12.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2796).

6.12.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

6.12.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQBlobMessageMarshaller.h**

6.13 activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 202).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQBlobMessageMarsh`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller:

Public Member Functions

- **ActiveMQBlobMessageMarshaller** ()
- virtual ∼**ActiveMQBlobMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.13.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 202).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.13.2 Constructor & Destructor Documentation

6.13.2.1 activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller::ActiveMQBlobMessageMarshaller ( ) [inline]

6.13.2.2 virtual activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller::∼ActiveMQBlobMessageMa ( ) [inline, virtual]

6.13.3 Member Function Documentation

6.13.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.13.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller::getDataStruct ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.13.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2790).

6.13.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.13.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.13.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2792).

6.13.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2793).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQBlobMessageMarshaller.h**

6.14 activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 206).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQBlobMessageMarsh
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller:

Public Member Functions

- **ActiveMQBlobMessageMarshaller** ()
- virtual ~**ActiveMQBlobMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.14.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 206).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.14.2 Constructor & Destructor Documentation

6.14.2.1 activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller::ActiveMQBlobMessageMarshaller ( ) [inline]

6.14.2.2 virtual activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller::∼ActiveMQBlobMessageMa ( ) [inline, virtual]

6.14.3 Member Function Documentation

6.14.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.14.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.14.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2781).

6.14.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2782).

6.14.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.14.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.14.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQBlobMessageMarshaller.h**

6.15 activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 211).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQBlobMessageMarsh
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller:

Public Member Functions

- **ActiveMQBlobMessageMarshaller** ()
- virtual ∼**ActiveMQBlobMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.15.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 211).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.15.2 Constructor & Destructor Documentation

6.15.2.1 activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller::ActiveMQBlobMessageMarshaller ( ) [inline]

6.15.2.2 virtual activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller::~ActiveMQBlobMessageMarshaller ( ) [inline, virtual]

6.15.3 Member Function Documentation

6.15.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.15.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.15.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.15.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.15.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2805).

6.15.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

6.15.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQBlobMessageMarshaller.h**

6.16 activemq::commands::ActiveMQBytesMessage Class Reference

`#include <src/main/activemq/commands/ActiveMQBytesMessage.h>`

Inheritance diagram for activemq::commands::ActiveMQBytesMessage:

Public Member Functions

- **ActiveMQBytesMessage** ()
- virtual ~**ActiveMQBytesMessage** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ActiveMQBytesMessage** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual **cms::BytesMessage** ∗ **clone** () const

  Clone this message exactly, returns a new instance that the caller is required to delete.

- virtual void **clearBody** () throw (cms::CMSException)

  Clears out the body of the message.

- virtual void **onSend** ()

  Store the Data that was written to the stream before a send.

- virtual void **setBodyBytes** (const unsigned char ∗buffer, int numBytes) throw (cms::MessageNotWriteableException, cms::CMSException)

  sets the bytes given to the message body.

- virtual unsigned char ∗ **getBodyBytes** () const throw (cms::MessageNotReadableException, cms::CMSException)

Gets the bytes that are contained in this message, user should copy this data into a user allocated buffer.

- virtual int **getBodyLength** () const throw (cms::MessageNotReadableException, cms::CMSException)

  Returns the number of bytes contained in the body of this message.

- virtual void **reset** () throw (cms::MessageFormatException, cms::CMSException)

  Puts the message body in read-only mode and repositions the stream of bytes to the beginning.

- virtual bool **readBoolean** () const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a Boolean from the Bytes message stream.

- virtual void **writeBoolean** (bool value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a boolean to the bytes message stream as a 1-byte value.

- virtual unsigned char **readByte** () const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a Byte from the Bytes message stream.

- virtual void **writeByte** (unsigned char value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a byte to the bytes message stream as a 1-byte value.

- virtual int **readBytes** (std::vector< unsigned char > &value) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a byte array from the bytes message stream.

- virtual void **writeBytes** (const std::vector< unsigned char > &value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a byte array to the bytes message stream using the vector size as the number of bytes to write.

- virtual int **readBytes** (unsigned char *buffer, int length) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a portion of the bytes message stream.

- virtual void **writeBytes** (const unsigned char *value, int offset, int length) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a portion of a byte array to the bytes message stream.

- virtual char **readChar** () const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

Reads a Char from the Bytes message stream.

- virtual void **writeChar** (char value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a char to the bytes message stream as a 1-byte value.

- virtual float **readFloat** () const throw (cms::MessageEOFException, cms::MessageNotReadableExceptio cms::CMSException)

  Reads a 32 bit float from the Bytes message stream.

- virtual void **writeFloat** (float value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a float to the bytes message stream as a 4 byte value.

- virtual double **readDouble** () const throw (cms::MessageEOFException, cms::MessageNotReadableExce cms::CMSException)

  Reads a 64 bit double from the Bytes message stream.

- virtual void **writeDouble** (double value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a double to the bytes message stream as a 8 byte value.

- virtual short **readShort** () const throw (cms::MessageEOFException, cms::MessageNotReadableExceptio cms::CMSException)

  Reads a 16 bit signed short from the Bytes message stream.

- virtual void **writeShort** (short value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a signed short to the bytes message stream as a 2 byte value.

- virtual unsigned short **readUnsignedShort** () const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 16 bit unsigned short from the Bytes message stream.

- virtual void **writeUnsignedShort** (unsigned short value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a unsigned short to the bytes message stream as a 2 byte value.

- virtual int **readInt** () const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 32 bit signed integer from the Bytes message stream.

- virtual void **writeInt** (int value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a signed int to the bytes message stream as a 4 byte value.

- virtual long long **readLong** () const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 64 bit long from the Bytes message stream.

- virtual void **writeLong** (long long value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a long long to the bytes message stream as a 8 byte value.

- virtual std::string **readString** () const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads an ASCII String from the Bytes message stream.

- virtual void **writeString** (const std::string &value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes an ASCII String to the Bytes message stream.

- virtual std::string **readUTF** () const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads an UTF String from the BytesMessage stream.

- virtual void **writeUTF** (const std::string &value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes an UTF String to the BytesMessage stream.

Static Public Attributes

- static const unsigned char **ID_ACTIVEMQBYTESMESSAGE** = 24

6.16.1 Constructor & Destructor Documentation

6.16.1.1 activemq::commands::ActiveMQBytesMessage::ActiveMQBytesMessage ( )

6.16.1.2 virtual activemq::commands::ActiveMQBytesMessage::~ActiveMQBytesMessage ( ) [virtual]

6.16.2 Member Function Documentation

6.16.2.1 virtual void activemq::commands::ActiveMQBytesMessage::clearBody ( ) throw (cms::CMSException) [virtual]

Clears out the body of the message.

This does not clear the headers or properties.

Reimplemented from **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 422).

6.16.2.2 virtual cms::BytesMessage* activemq::commands::ActiveMQBytesMessage::clone ( ) const [inline, virtual]

Clone this message exactly, returns a new instance that the caller is required to delete.

Returns

new copy of this message

Implements **cms::BytesMessage** (p. 1083).

6.16.2.3 virtual ActiveMQBytesMessage* activemq::commands::ActiveMQBytesMessage::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::Message** (p. 2601).

6.16.2.4 virtual void activemq::commands::ActiveMQBytesMessage::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::Message** (p. 2602).

6.16.2.5 virtual bool activemq::commands::ActiveMQBytesMessage::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Parameters

value	The **Command** (p. 1227) to compare to this one.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 423).

6.16.2.6 virtual unsigned char* activemq::commands::ActiveMQBytesMessage::getBodyBytes ( ) const throw (cms::MessageNotReadableException, cms::CMSException) [virtual]

Gets the bytes that are contained in this message, user should copy this data into a user allocated buffer.

Call `getBodyLength` to determine the number of bytes to expect.

Returns

const pointer to a byte buffer

Exceptions

CMSException	- If an internal error occurs.
MessageNotReadableException	- If the message is in Write Only Mode.

Implements **cms::BytesMessage** (p. 1083).

6.16.2.7 virtual int activemq::commands::ActiveMQBytesMessage::getBodyLength ( ) const throw (cms::MessageNotReadableException, cms::CMSException) [virtual]

Returns the number of bytes contained in the body of this message.

Returns

number of bytes.

Exceptions

CMSException	- If an internal error occurs.
MessageNotReadableException	- If the message is in Write Only Mode.

Implements **cms::BytesMessage** (p. 1084).

6.16.2.8 virtual unsigned char activemq::commands::ActiveMQBytesMessage::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::Message** (p. 2604).

6.16.2.9 virtual void activemq::commands::ActiveMQBytesMessage::onSend ( ) [virtual]

Store the Data that was written to the stream before a send.

Reimplemented from **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 431).

6.16.2.10 virtual bool activemq::commands::ActiveMQBytesMessage::readBoolean ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a Boolean from the Bytes message stream.

Returns

boolean value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1084).

6.16.2.11 virtual unsigned char activemq::commands::ActiveMQBytesMessage::readByte ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a Byte from the Bytes message stream.

Returns

unsigned char value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1085).

6.16.2.12 virtual int activemq::commands::ActiveMQBytesMessage::readBytes (std::vector< unsigned char > & *value*) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a byte array from the bytes message stream.

If the length of vector value is less than the number of bytes remaining to be read from the stream, the vector should be filled. A subsequent call reads the next increment, and so on.

If the number of bytes remaining in the stream is less than the length of vector value, the bytes should be read into the vector. The return value of the total number of bytes read will be less than the length of the vector, indicating that there are no more bytes left to be read from the stream. The next read of the stream returns -1.

Parameters

value	buffer to place data in

Returns

the total number of bytes read into the buffer, or -1 if there is no more data because the end of the stream has been reached

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1085).

6.16.2.13 virtual int activemq::commands::ActiveMQBytesMessage::readBytes (unsigned char * *buffer*, int *length*) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a portion of the bytes message stream.

If the length of array value is less than the number of bytes remaining to be read from the stream, the array should be filled. A subsequent call reads the next increment, and so on.

If the number of bytes remaining in the stream is less than the length of array value, the bytes should be read into the array. The return value of the total number of bytes read will be less than the length of the array, indicating that there are no more bytes left to be read from the stream. The next read of the stream returns -1.

If length is negative, or length is greater than the length of the array value, then an IndexOutOfBoundsException is thrown. No bytes will be read from the stream for this exception case.

Parameters

buffer	the buffer into which the data is read
length	the number of bytes to read; must be less than or equal to value.length

Returns

the total number of bytes read into the buffer, or -1 if there is no more data because the end of the stream has been reached

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1086).

6.16.2.14 virtual char activemq::commands::ActiveMQBytesMessage::readChar ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a Char from the Bytes message stream.

Returns

char value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1087).

6.16.2.15 virtual double activemq::commands::ActiveMQBytesMessage::readDouble ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a 64 bit double from the Bytes message stream.

Returns

double value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1087).

6.16.2.16 virtual float activemq::commands::ActiveMQBytesMessage::readFloat ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a 32 bit float from the Bytes message stream.

Returns

double value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1088).

6.16.2.17 virtual int activemq::commands::ActiveMQBytesMessage::readInt ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a 32 bit signed integer from the Bytes message stream.

Returns

int value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1088).

6.16.2.18 virtual long long activemq::commands::ActiveMQBytesMessage::readLong ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a 64 bit long from the Bytes message stream.

Returns

long long value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1089).

6.16.2.19 virtual short activemq::commands::ActiveMQBytesMessage::readShort ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a 16 bit signed short from the Bytes message stream.

Returns

short value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1089).

6.16.2.20 virtual std::string activemq::commands::ActiveMQBytesMessage::readString ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads an ASCII String from the Bytes message stream.

Returns

String from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1090).

6.16.2.21 virtual unsigned short activemq::commands::ActiveMQBytesMessage::readUnsignedShort ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a 16 bit unsigned short from the Bytes message stream.

Returns

unsigned short value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1090).

6.16.2.22 virtual std::string activemq::commands::ActiveMQBytesMessage::readUTF ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads an UTF String from the BytesMessage stream.

Returns

String from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1091).

6.16.2.23 virtual void activemq::commands::ActiveMQBytesMessage::reset ( ) throw (cms::MessageFormatException, cms::CMSException) [virtual]

Puts the message body in read-only mode and repositions the stream of bytes to the beginning.

Exceptions

CMSException	- If the provider fails to perform the reset operation.
MessageFormatException	- If the **Message** (p. 2596) has an invalid format.

Implements **cms::BytesMessage** (p. 1091).

6.16.2.24 virtual void activemq::commands::ActiveMQBytesMessage::setBodyBytes (const unsigned char * *buffer*, int *numBytes*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

sets the bytes given to the message body.

Parameters

buffer	Byte Buffer to copy
numBytes	Number of bytes in Buffer to copy

Exceptions

CMSException	- If an internal error occurs.
MessageNotWriteableException	- if in Read Only Mode.

Implements **cms::BytesMessage** (p. 1091).

6.16.2.25 virtual std::string activemq::commands::ActiveMQBytesMessage::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::Message** (p. 2611).

6.16.2.26 virtual void activemq::commands::ActiveMQBytesMessage::writeBoolean (bool *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a boolean to the bytes message stream as a 1-byte value.

The value true is written as the value (byte)1; the value false is written as the value (byte)0.

Parameters

value	boolean to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::BytesMessage** (p. 1092).

6.16.2.27 virtual void activemq::commands::ActiveMQBytesMessage::writeByte (unsigned char *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a byte to the bytes message stream as a 1-byte value.

Parameters

value	byte to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::BytesMessage** (p. 1092).

6.16.2.28 virtual void activemq::commands::ActiveMQBytesMessage::writeBytes (const unsigned char * *value*, int *offset*, int *length*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a portion of a byte array to the bytes message stream.

size as the number of bytes to write.

Parameters

value	bytes to write to the stream
offset	the initial offset within the byte array
length	the number of bytes to use

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.

MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::BytesMessage** (p. 1093).

6.16.2.29 virtual void activemq::commands::ActiveMQBytesMessage::writeBytes (const std::vector< unsigned char > & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a byte array to the bytes message stream using the vector size as the number of bytes to write.

Parameters

value	bytes to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::BytesMessage** (p. 1093).

6.16.2.30 virtual void activemq::commands::ActiveMQBytesMessage::writeChar (char *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a char to the bytes message stream as a 1-byte value.

Parameters

value	char to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::BytesMessage** (p. 1094).

6.16.2.31 virtual void activemq::commands::ActiveMQBytesMessage::writeDouble (double *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a double to the bytes message stream as a 8 byte value.

Parameters

value	double to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::BytesMessage** (p. 1094).

6.16.2.32 virtual void activemq::commands::ActiveMQBytesMessage::writeFloat (float *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a float to the bytes message stream as a 4 byte value.

Parameters

value	float to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::BytesMessage** (p. 1094).

6.16.2.33 virtual void activemq::commands::ActiveMQBytesMessage::writeInt (int *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a signed int to the bytes message stream as a 4 byte value.

Parameters

value	signed int to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::BytesMessage** (p. 1095).

6.16.2.34 virtual void activemq::commands::ActiveMQBytesMessage::writeLong (long long *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a long long to the bytes message stream as a 8 byte value.

Parameters

value	signed long long to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::BytesMessage** (p. 1095).

6.16.2.35 virtual void activemq::commands::ActiveMQBytesMessage::writeShort (short *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a signed short to the bytes message stream as a 2 byte value.

Parameters

value	signed short to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::BytesMessage** (p. 1096).

6.16.2.36 virtual void activemq::commands::ActiveMQBytesMessage::writeString (const std::string & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes an ASCII String to the Bytes message stream.

Parameters

value	String to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::BytesMessage** (p. 1096).

6.16.2.37 virtual void activemq::commands::ActiveMQBytesMessage::writeUnsignedShort (unsigned short *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a unsigned short to the bytes message stream as a 2 byte value.

Parameters

value	unsigned short to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::BytesMessage** (p. 1096).

6.16.2.38 virtual void activemq::commands::ActiveMQBytesMessage::writeUTF (const std::string & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes an UTF String to the BytesMessage stream.

Parameters

value	String to write to the stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of bytes stream has been reached.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::BytesMessage** (p. 1097).

6.16.3 Field Documentation

6.16.3.1 const unsigned char activemq::commands::ActiveMQBytesMessage::ID_ACTIVEMQBYTESMESSAGE = 24 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQBytesMessage.h**

6.17 activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 235).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQBytesMessageMars
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller:

Public Member Functions

- **ActiveMQBytesMessageMarshaller** ()
- virtual ∼**ActiveMQBytesMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.17.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 235).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.17.2 Constructor & Destructor Documentation

6.17.2.1 activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller::ActiveMQBytesMessageMarshaller ( ) [inline]

6.17.2.2 virtual activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller::∼ActiveMQBytesMessageM ( ) [inline, virtual]

6.17.3 Member Function Documentation

6.17.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.17.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.17.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.17.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.17.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2787).

6.17.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

6.17.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQBytesMessageMarshaller.h**

6.18 activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 239).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQBytesMessageMars
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller:

Public Member Functions

- **ActiveMQBytesMessageMarshaller** ()
- virtual ~**ActiveMQBytesMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.18.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 239).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.18.2 Constructor & Destructor Documentation

6.18.2.1 activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller::ActiveMQBytesMessageMarshaller ( ) [inline]

6.18.2.2 virtual activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller::∼ActiveMQBytesMessageM ( ) [inline, virtual]

6.18.3 Member Function Documentation

6.18.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.18.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.18.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2799).

6.18.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.18.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.18.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2801).

6.18.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2802).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQBytesMessageMarshaller.h**

6.19 activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 243).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQBytesMessageMars
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller:

Public Member Functions

- **ActiveMQBytesMessageMarshaller** ()
- virtual ~**ActiveMQBytesMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.19.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 243).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.19.2 Constructor & Destructor Documentation

6.19.2.1 activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller::ActiveMQBytesMessageMarshaller ( ) [inline]

6.19.2.2 virtual activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller::~ActiveMQBytesMessageMarshaller ( ) [inline, virtual]

6.19.3 Member Function Documentation

6.19.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.19.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.19.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.19.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.19.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2796).

6.19.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

6.19.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQBytesMessageMarshaller.h**

6.20 activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 247).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQBytesMe`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller:

Public Member Functions

- **ActiveMQBytesMessageMarshaller** ()
- virtual ∼**ActiveMQBytesMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.20.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 247).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.20.2 Constructor & Destructor Documentation

6.20.2.1 activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller::ActiveMQBytesMessageMarshaller ( ) [inline]

6.20.2.2 virtual activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller::~ActiveMQBytesMessageMarshaller ( ) [inline, virtual]

6.20.3 Member Function Documentation

6.20.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.20.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.20.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2781).

6.20.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2782).

6.20.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.20.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.20.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQBytesMessageMarshaller.h**

6.21 activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 252).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQBytesMe
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller:

Public Member Functions

- **ActiveMQBytesMessageMarshaller** ()
- virtual ∼**ActiveMQBytesMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.21.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 252).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.21.2 Constructor & Destructor Documentation

6.21.2.1 activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller::ActiveMQBytesMessageMarshaller ( ) [inline]

6.21.2.2 virtual activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller::∼ActiveMQBytesMessageMarshaller ( ) [inline, virtual]

6.21.3 Member Function Documentation

6.21.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.21.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.21.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.21.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.21.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2805).

6.21.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

6.21.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQBytesMessageMarshaller.h**

6.22 activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 256).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQBytesMe
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller:

Public Member Functions

- **ActiveMQBytesMessageMarshaller** ()
- virtual ~**ActiveMQBytesMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.22.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 256).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.22.2 Constructor & Destructor Documentation

6.22.2.1 activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller::ActiveMQBytesMessageMarshaller ( ) [inline]

6.22.2.2 virtual activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller::∼ActiveMQBytesMessageMarshaller ( ) [inline, virtual]

6.22.3 Member Function Documentation

6.22.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.22.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller::getDataStruc ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.22.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2790).

6.22.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.22.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.22.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2792).

6.22.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2793).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQBytesMessageMarshaller.h**

6.23 activemq::core::ActiveMQConnection Class Reference

Concrete connection used for all connectors to the ActiveMQ broker.

`#include <src/main/activemq/core/ActiveMQConnection.h>`

Inheritance diagram for activemq::core::ActiveMQConnection:

Public Member Functions

- **ActiveMQConnection** (const **Pointer**< **transport::Transport** > &transport,

const **Pointer**< **decaf::util::Properties** > &properties)

Constructor.

- virtual ~**ActiveMQConnection** ()
- virtual void **removeSession** (**ActiveMQSession** *session) throw (cms::CMSException)

  Removes the session resources for the given session instance.

- virtual void **addProducer** (**ActiveMQProducer** *producer) throw (cms::CMSException)

  Adds an active Producer to the Set of known producers.

- virtual void **removeProducer** (const **Pointer**< **commands::ProducerId** > &producerId) throw (cms::CMSException)

  Removes an active Producer to the Set of known producers.

- virtual void **addDispatcher** (const **Pointer**< **commands::ConsumerId** > &consumer, **Dispatcher** *dispatcher) throw (cms::CMSException)

  Adds a dispatcher for a consumer.

- virtual void **removeDispatcher** (const **Pointer**< **commands::ConsumerId** > &consumer) throw (cms::CMSException)

  Removes the dispatcher for a consumer.

- virtual void **sendPullRequest** (const **commands::ConsumerInfo** *consumer, long long timeout) throw (exceptions::ActiveMQException)

  If supported sends a message pull request to the service provider asking for the delivery of a new message.

- bool **isClosed** () const

  Checks if this connection has been closed.

- bool **isStarted** () const

  Check if this connection has been started.

- bool **isTransportFailed** () const

  Checks if the Connection's Transport has failed.

- virtual void **destroyDestination** (const **commands::ActiveMQDestination** *destination) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalStateException, decaf::lang::exceptions::UnsupportedOperationException, activemq::exceptions::ActiveMQException)

  Requests that the Broker removes the given Destination.

- virtual void **destroyDestination** (const **cms::Destination** *destination) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalStateException, decaf::lang::exceptions::UnsupportedOperationException, activemq::exceptions::ActiveMQException)

Requests that the Broker removes the given Destination.

- virtual const **cms::ConnectionMetaData** ∗ **getMetaData** () const throw (cms::CMSException)

  Gets the metadata for this connection.

- virtual **cms::Session** ∗ **createSession** () throw (cms::CMSException)

  Creates a new Session to work for this Connection.

- virtual std::string **getClientID** () const

  Get the Client Id for this session, the client Id is provider specific and is either assigned by the connection factory or set using the setClientID method.

  Returns

  *Client Id String for this **Connection** (p. 1296).*

  Exceptions

CMSException (p. 1190)	*if the provider fails to return the client id or an internal error occurs.*

- virtual void **setClientID** (const std::string &clientID)

  Sets the client identifier for this connection.
  *The preferred way to assign a CMS client's client identifier is for it to be configured in a client-specific **ConnectionFactory** (p. 1361) object and transparently assigned to the **Connection** (p. 1296) object it creates.*
  *If a client sets the client identifier explicitly, it must do so immediately after it creates the connection and before any other action on the connection is taken. After this point, setting the client identifier is a programming error that should throw an **IllegalStateException** (p. 2059).*

  Parameters

clientID	*The unique client identifier to assign to the **Connection** (p. 1296).*

  Exceptions

CMSException (p. 1190)	*if the provider fails to set the client id due to some internal error.*
InvalidClientIDException	*if the id given is somehow invalid or is a duplicate.*
IllegalStateException (p. 2059)	*if the client tries to set the id after a **Connection** (p. 1296) method has been called.*

- virtual **cms::Session** ∗ **createSession** (**cms::Session::AcknowledgeMode** ackMode) throw (cms::CMSException)

  Creates a new Session to work for this Connection using the specified acknowledgment mode.

- virtual void **close** () throw (cms::CMSException)

  Closes this connection as well as any Sessions created from it (and those Sessions' consumers and producers).

- virtual void **start** () throw (cms::CMSException)

  Starts or (restarts) a connections delivery of incoming messages.

- virtual void **stop** () throw (cms::CMSException)

  Stop the flow of incoming messages.

- virtual **cms::ExceptionListener** ∗ **getExceptionListener** () const

  Gets the registered Exception Listener for this connection.

- virtual void **setExceptionListener** (**cms::ExceptionListener** ∗listener)

  Sets the registered Exception Listener for this connection.

- void **setUsername** (const std::string &username)

  Sets the username that should be used when creating a new connection.

- const std::string & **getUsername** () const

  Gets the username that this factory will use when creating a new connection instance.

- void **setPassword** (const std::string &password)

  Sets the password that should be used when creating a new connection.

- const std::string & **getPassword** () const

  Gets the password that this factory will use when creating a new connection instance.

- void **setDefaultClientId** (const std::string &clientId)

  Sets the Client Id.

- void **setBrokerURL** (const std::string &brokerURL)

  Sets the Broker URL that should be used when creating a new connection instance.

- const std::string & **getBrokerURL** () const

  Gets the Broker URL that this factory will use when creating a new connection instance.

- void **setPrefetchPolicy** (**PrefetchPolicy** ∗policy)

  *Sets the **PrefetchPolicy** (p. 3062) instance that this factory should use when it creates new Connection instances.*

- **PrefetchPolicy** ∗ **getPrefetchPolicy** () const

  *Gets the pointer to the current **PrefetchPolicy** (p. 3062) that is in use by this ConnectionFactory.*

- void **setRedeliveryPolicy** (**RedeliveryPolicy** ∗policy)

  *Sets the **RedeliveryPolicy** (p. 3267) instance that this factory should use when it creates new Connection instances.*

- **RedeliveryPolicy** ∗ **getRedeliveryPolicy** () const

*Gets the pointer to the current **RedeliveryPolicy** (p. 3267) that is in use by this ConnectionFactory.*

- bool **isDispatchAsync** () const
- void **setDispatchAsync** (bool value)

  Should messages be dispatched synchronously or asynchronously from the producer thread for non-durable topics in the broker? For fast consumers set this to false.

- bool **isAlwaysSyncSend** () const

  Gets if the Connection should always send things Synchronously.

- void **setAlwaysSyncSend** (bool value)

  Sets if the Connection should always send things Synchronously.

- bool **isUseAsyncSend** () const

  Gets if the useAsyncSend option is set.

- void **setUseAsyncSend** (bool value)

  Sets the useAsyncSend option.

- bool **isUseCompression** () const

  Gets if the Connection is configured for Message body compression.

- void **setUseCompression** (bool value)

  Sets whether Message body compression is enabled.

- unsigned int **getSendTimeout** () const

  Gets the assigned send timeout for this Connector.

- void **setSendTimeout** (unsigned int timeout)

  Sets the send timeout to use when sending Message objects, this will cause all messages to be sent using a Synchronous request is non-zero.

- unsigned int **getCloseTimeout** () const

  Gets the assigned close timeout for this Connector.

- void **setCloseTimeout** (unsigned int timeout)

  Sets the close timeout to use when sending the disconnect request.

- unsigned int **getProducerWindowSize** () const

  Gets the configured producer window size for Producers that are created from this connector.

- void **setProducerWindowSize** (unsigned int windowSize)

  Sets the size in Bytes of messages that a producer can send before it is blocked to await a ProducerAck from the broker that frees enough memory to allow another message to be sent.

- long long **getNextSessionId** ()

  Get the Next available Session Id.

- long long **getNextTempDestinationId** ()

  Get the Next Temporary Destination Id.

- long long **getNextLocalTransactionId** ()

  Get the Next Temporary Destination Id.

- void **addTransportListener** (**transport::TransportListener** *transportListener)

  Adds a transport listener so that a client can be notified of events in the underlying transport, client's are always notified after the event has been processed by the Connection class.

- void **removeTransportListener** (**transport::TransportListener** *transportListener)

  Removes a registered TransportListener from the Connection's set of Transport listeners, this listener will no longer receive any Transport related events.

- virtual void **onCommand** (const **Pointer**< **commands::Command** > &command)

  Event handler for the receipt of a non-response command from the transport.

- virtual void **onException** (const **decaf::lang::Exception** &ex)

  Event handler for an exception from a command transport.

- virtual void **transportInterrupted** ()

  The transport has suffered an interruption from which it hopes to recover.

- virtual void **transportResumed** ()

  The transport has resumed after an interruption.

- const **commands::ConnectionInfo** & **getConnectionInfo** () const throw (exceptions::ActiveMQException)

  Gets the ConnectionInfo for this Object, if the Connection is not open than this method throws an exception.

- const **commands::ConnectionId** & **getConnectionId** () const throw (exceptions::ActiveMQException)

  Gets the ConnectionId for this Object, if the Connection is not open than this method throws an exception.

- **transport::Transport** & **getTransport** () const

  Gets a reference to this object's Transport instance.

- void **oneway** (**Pointer**< **commands::Command** > command) throw (activemq::exceptions::ActiveMQE)

  Sends a oneway message.

- void **syncRequest** (**Pointer**< **commands::Command** > command, unsigned int timeout=0) throw (activemq::exceptions::ActiveMQException)

  Sends a synchronous request and returns the response from the broker.

- virtual void **fire** (const **exceptions::ActiveMQException** &ex)

  Notify the exception listener.

- void **setTransportInterruptionProcessingComplete** ()

  Indicates that a Connection resource that is processing the transportInterrupted event has completed.

6.23.1 Detailed Description

Concrete connection used for all connectors to the ActiveMQ broker.

Since

2.0

6.23.2 Constructor & Destructor Documentation

6.23.2.1 activemq::core::ActiveMQConnection::ActiveMQConnection (const Pointer< transport::Transport > & *transport*, const Pointer< decaf::util::Properties > & *properties*)

Constructor.

Parameters

transport	The Transport requested for this connection to the Broker.
properties	The Properties that were defined for this connection

6.23.2.2 virtual activemq::core::ActiveMQConnection::~ActiveMQConnection ( ) [virtual]

6.23.3 Member Function Documentation

6.23.3.1 virtual void activemq::core::ActiveMQConnection::addDispatcher (const Pointer< commands::ConsumerId > & *consumer*, Dispatcher * *dispatcher*) throw (cms::CMSException) [virtual]

Adds a dispatcher for a consumer.

Parameters

consumer	- The consumer for which to register a dispatcher.
dispatcher	- The dispatcher to handle incoming messages for the consumer.

6.23.3.2 virtual void activemq::core::ActiveMQConnection::addProducer (ActiveMQProducer * *producer*) throw (cms::CMSException) [virtual]

Adds an active Producer to the Set of known producers.

Parameters

producer	- The Producer to add from the the known set.

6.23.3.3 void activemq::core::ActiveMQConnection::addTransportListener (transport::TransportListener * *transportListener*)

Adds a transport listener so that a client can be notified of events in the underlying transport, client's are always notified after the event has been processed by the Connection class.

Client's should ensure that the registered listener does not block or take a long amount of time to execute in order to not degrade performance of this Connection.

Parameters

transportListener	The TransportListener instance to add to this Connection's set of listeners to notify of Transport events.

6.23.3.4 virtual void activemq::core::ActiveMQConnection::close ( ) throw (cms::CMSException) [virtual]

Closes this connection as well as any Sessions created from it (and those Sessions' consumers and producers).

Exceptions

CMSException	

Implements **cms::Connection** (p. 1298).

6.23.3.5 virtual cms::Session* activemq::core::ActiveMQConnection::createSession (cms::Session::AcknowledgeMode *ackMode*) throw (cms::CMSException) [virtual]

Creates a new Session to work for this Connection using the specified acknowledgment mode.

Parameters

ackMode	the Acknowledgment Mode to use.

Exceptions

CMSException	

Implements **cms::Connection** (p. 1298).

6.23.3.6 virtual cms::Session* activemq::core::ActiveMQConnection::createSession ( ) throw (cms::CMSException) [virtual]

Creates a new Session to work for this Connection.

Exceptions

CMSException	

Implements **cms::Connection** (p. 1299).

6.23.3.7 virtual void activemq::core::ActiveMQConnection::destroyDestination (const commands::ActiveMQDestination * *destination*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalStateException, decaf::lang::exceptions::UnsupportedOperationException, activemq::exceptions::ActiveMQException) [virtual]

Requests that the Broker removes the given Destination.

Calling this method implies that the client is finished with the Destination and that no other messages will be sent or received for the given Destination. The Broker frees all resources it has associated with this Destination.

Parameters

destination	The Destination the Broker will be requested to remove.

Exceptions

NullPointerException	If the passed Destination is Null
IllegalStateException	If the connection is closed.

UnsupportedOperationException	If the wire format in use does not support this operation.
ActiveMQException	If any other error occurs during the attempt to destroy the destination.

6.23.3.8 virtual void activemq::core::ActiveMQConnection::destroyDestination (const cms::Destination * *destination*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalStateException, decaf::lang::exceptions::UnsupportedOperationException, activemq::exceptions::ActiveMQException) [virtual]

Requests that the Broker removes the given Destination.

Calling this method implies that the client is finished with the Destination and that no other messages will be sent or received for the given Destination. The Broker frees all resources it has associated with this Destination.

Parameters

destination	The CMS Destination the Broker will be requested to remove.

Exceptions

NullPointerException	If the passed Destination is Null
IllegalStateException	If the connection is closed.
UnsupportedOperationException	If the wire format in use does not support this operation.
ActiveMQException	If any other error occurs during the attempt to destroy the destination.

6.23.3.9 virtual void activemq::core::ActiveMQConnection::fire (const exceptions::ActiveMQException & *ex*) [virtual]

Notify the exception listener.

Parameters

ex	the exception to fire

6.23.3.10 const std::string& activemq::core::ActiveMQConnection::getBrokerURL ( ) const

Gets the Broker URL that this factory will use when creating a new connection instance.

Returns

brokerURL string

6.23.3.11 virtual std::string activemq::core::ActiveMQConnection::getClientID ( ) const [virtual]

Get the Client Id for this session, the client Id is provider specific and is either assigned by the connection factory or set using the setClientID method.

Returns

Client Id String for this **Connection** (p. 1296).

Exceptions

CMSException *(p. 1190)*	if the provider fails to return the client id or an internal error occurs.

Implements **cms::Connection** (p. 1299).

6.23.3.12 unsigned int activemq::core::ActiveMQConnection::getCloseTimeout ( ) const

Gets the assigned close timeout for this Connector.

Returns

the close timeout configured in the connection uri

6.23.3.13 const commands::ConnectionId& activemq::core::ActiveMQConnection::getConnectionId ( ) const throw (exceptions::ActiveMQException)

Gets the ConnectionId for this Object, if the Connection is not open than this method throws an exception.

6.23.3.14 const commands::ConnectionInfo& activemq::core::ActiveMQConnection::getConnectionInfo ( ) const throw (exceptions::ActiveMQException)

Gets the ConnectionInfo for this Object, if the Connection is not open than this method throws an exception.

6.23.3.15 virtual cms::ExceptionListener* activemq::core::ActiveMQConnection::getExceptionListener ( ) const [virtual]

Gets the registered Exception Listener for this connection.

Returns

pointer to an exception listener or NULL

Implements **cms::Connection** (p. 1299).

6.23.3.16 virtual const cms::ConnectionMetaData* activemq::core::ActiveMQConnection::getMetaData ( ) const throw (cms::CMSException) [inline, virtual]

Gets the metadata for this connection.

Returns

the connection MetaData pointer (caller does not own it).

Exceptions

CMSException	if the provider fails to get the connection metadata for this connection.

See also

ConnectionMetaData

Since

2.0

Implements **cms::Connection** (p. 1299).

6.23.3.17 long long activemq::core::ActiveMQConnection::getNextLocalTransactionId ( )

Get the Next Temporary Destination Id.

Returns

the next id in the sequence.

6.23.3.18 long long activemq::core::ActiveMQConnection::getNextSessionId ( )

Get the Next available Session Id.

Returns

the next id in the sequence.

6.23.3.19 long long activemq::core::ActiveMQConnection::getNextTempDestinationId ( )

Get the Next Temporary Destination Id.

Returns

the next id in the sequence.

6.23.3.20 const std::string& activemq::core::ActiveMQConnection::getPassword ( ) const

Gets the password that this factory will use when creating a new connection instance.

Returns

password string, "" for default credentials

6.23.3.21 PrefetchPolicy* activemq::core::ActiveMQConnection::getPrefetchPolicy ( ) const

Gets the pointer to the current **PrefetchPolicy** (p. 3062) that is in use by this ConnectionFactory.

Returns

a pointer to this objects **PrefetchPolicy** (p. 3062).

6.23.3.22 unsigned int activemq::core::ActiveMQConnection::getProducerWindowSize ( ) const

Gets the configured producer window size for Producers that are created from this connector.

This only applies if there is no send timeout and the producer is able to send asynchronously.

Returns

size in bytes of messages that this producer can produce before it must block and wait for ProducerAck messages to free resources.

6.23.3.23 RedeliveryPolicy* activemq::core::ActiveMQConnection::getRedeliveryPolicy ( ) const

Gets the pointer to the current **RedeliveryPolicy** (p. 3267) that is in use by this ConnectionFactory.

Returns

a pointer to this objects **RedeliveryPolicy** (p. 3267).

6.23.3.24 unsigned int activemq::core::ActiveMQConnection::getSendTimeout ( ) const

Gets the assigned send timeout for this Connector.

Returns

the send timeout configured in the connection uri

6.23.3.25 transport::Transport& activemq::core::ActiveMQConnection::getTransport ( ) const

Gets a reference to this object's Transport instance.

Returns

a reference to the Transport that is in use by this Connection.

6.23.3.26 const std::string& activemq::core::ActiveMQConnection::getUsername ( ) const

Gets the username that this factory will use when creating a new connection instance.

Returns

username string, "" for default credentials

6.23.3.27 bool activemq::core::ActiveMQConnection::isAlwaysSyncSend ( ) const

Gets if the Connection should always send things Synchronously.

Returns

true if sends should always be Synchronous.

6.23.3.28 bool activemq::core::ActiveMQConnection::isClosed ( ) const [inline]

Checks if this connection has been closed.

Returns

true if the connection is closed

6.23.3.29 bool activemq::core::ActiveMQConnection::isDispatchAsync ( ) const

Returns

The value of the dispatch asynchronously option sent to the broker.

6.23.3.30 bool activemq::core::ActiveMQConnection::isStarted ( ) const [inline]

Check if this connection has been started.

Returns

true if the start method has been called.

6.23.3.31 bool activemq::core::ActiveMQConnection::isTransportFailed ( ) const [inline]

Checks if the Connection's Transport has failed.

Returns

true if the Connection's Transport has failed.

6.23.3.32 bool activemq::core::ActiveMQConnection::isUseAsyncSend ( ) const

Gets if the useAsyncSend option is set.

Returns

true if on false if not.

6.23.3.33 bool activemq::core::ActiveMQConnection::isUseCompression ( ) const

Gets if the Connection is configured for Message body compression.

Returns

if the Message body will be Compressed or not.

6.23.3.34 virtual void activemq::core::ActiveMQConnection::onCommand (const Pointer< commands::Command > & *command*) [virtual]

Event handler for the receipt of a non-response command from the transport.

Parameters

command	the received command object.

Implements **activemq::transport::TransportListener** (p. 4014).

6.23.3.35 void activemq::core::ActiveMQConnection::oneway (Pointer< commands::Command > *command*) throw (activemq::exceptions::ActiveMQException)

Sends a oneway message.

Parameters

command	The message to send.

Exceptions

ConnectorException	if not currently connected, or if the operation fails for any reason.

6.23.3.36 virtual void activemq::core::ActiveMQConnection::onException (const decaf::lang::Exception & *ex*) [virtual]

Event handler for an exception from a command transport.

Parameters

ex	The exception.

Implements **activemq::transport::TransportListener** (p. 4015).

6.23.3.37 virtual void activemq::core::ActiveMQConnection::removeDispatcher (const Pointer< commands::ConsumerId > & *consumer*) throw (cms::CMSException) [virtual]

Removes the dispatcher for a consumer.

Parameters

consumer	- The consumer for which to remove the dispatcher.

6.23.3.38 virtual void activemq::core::ActiveMQConnection::removeProducer (const Pointer< commands::ProducerId > & *producerId*) throw (cms::CMSException) [virtual]

Removes an active Producer to the Set of known producers.

Parameters

producerId	- The ProducerId to remove from the the known set.

6.23.3.39 virtual void activemq::core::ActiveMQConnection::removeSession (ActiveMQSession * *session*) throw (cms::CMSException) [virtual]

Removes the session resources for the given session instance.

Parameters

session	The session to be unregistered from this connection.

6.23.3.40 void activemq::core::ActiveMQConnection::removeTransportListener (transport::TransportListener * *transportListener*)

Removes a registered TransportListener from the Connection's set of Transport listeners, this listener will no longer receive any Transport related events.

The caller is responsible for freeing the listener in all cases.

Parameters

transportListener	The pointer to the TransportListener to remove from the set of listeners.

6.23.3.41 virtual void activemq::core::ActiveMQConnection::sendPullRequest (const commands::ConsumerInfo * *consumer,* long long *timeout*) throw (exceptions::ActiveMQException) [virtual]

If supported sends a message pull request to the service provider asking for the delivery of a new message.

This is used in the case where the service provider has been configured with a zero prefetch or is only capable of delivering messages on a pull basis.

Parameters

consumer	- the ConsumerInfo for the requesting Consumer.
timeout	- the time that the client is willing to wait.

6.23.3.42 void activemq::core::ActiveMQConnection::setAlwaysSyncSend (bool *value*)

Sets if the Connection should always send things Synchronously.

Parameters

value	true if sends should always be Synchronous.

6.23.3.43 void activemq::core::ActiveMQConnection::setBrokerURL (const std::string & *brokerURL*)

Sets the Broker URL that should be used when creating a new connection instance.

Parameters

brokerURL	string

6.23.3.44 virtual void activemq::core::ActiveMQConnection::setClientID (const std::string & *clientID*) `[virtual]`

Sets the client identifier for this connection.

The preferred way to assign a CMS client's client identifier is for it to be configured in a client-specific **ConnectionFactory** (p. 1361) object and transparently assigned to the **Connection** (p. 1296) object it creates.

If a client sets the client identifier explicitly, it must do so immediately after it creates the connection and before any other action on the connection is taken. After this point, setting the client identifier is a programming error that should throw an **IllegalStateException** (p. 2059).

Parameters

clientID	The unique client identifier to assign to the **Connection** (p. 1296).

Exceptions

CMSException *(p. 1190)*	if the provider fails to set the client id due to some internal error.
InvalidClientIDException	if the id given is somehow invalid or is a duplicate.
IllegalStateException *(p. 2059)*	if the client tries to set the id after a **Connection** (p. 1296) method has been called.

Implements **cms::Connection** (p. 1300).

6.23.3.45 void activemq::core::ActiveMQConnection::setCloseTimeout (unsigned int *timeout*)

Sets the close timeout to use when sending the disconnect request.

Parameters

timeout	- The time to wait for a close message.

6.23.3.46 void activemq::core::ActiveMQConnection::setDefaultClientId (const std::string & *clientId*)

Sets the Client Id.

Parameters

clientId	- The new clientId value.

6.23.3.47 void activemq::core::ActiveMQConnection::setDispatchAsync (bool *value*)

Should messages be dispatched synchronously or asynchronously from the producer thread for non-durable topics in the broker? For fast consumers set this to false.

For slow consumers set it to true so that dispatching will not block fast consumers. .

Parameters

value	The value of the dispatch asynchronously option sent to the broker.

6.23.3.48 virtual void activemq::core::ActiveMQConnection::setExceptionListener (**cms::ExceptionListener** * *listener*) `[virtual]`

Sets the registered Exception Listener for this connection.

Parameters

listener	pointer to and `ExceptionListener`

Implements **cms::Connection** (p. 1300).

6.23.3.49 void activemq::core::ActiveMQConnection::setPassword (const std::string & *password*)

Sets the password that should be used when creating a new connection.

Parameters

password	string

6.23.3.50 void activemq::core::ActiveMQConnection::setPrefetchPolicy (PrefetchPolicy * *policy*)

Sets the **PrefetchPolicy** (p. 3062) instance that this factory should use when it creates new Connection instances.

The **PrefetchPolicy** (p. 3062) passed becomes the property of the factory and will be deleted when the factory is destroyed.

Parameters

policy	The new **PrefetchPolicy** (p. 3062) that the ConnectionFactory should clone for Connections.

6.23.3.51 void activemq::core::ActiveMQConnection::setProducerWindowSize (unsigned int *windowSize*)

Sets the size in Bytes of messages that a producer can send before it is blocked to await a ProducerAck from the broker that frees enough memory to allow another message to be sent.

Parameters

windowSize	- The size in bytes of the Producers memory window.

6.23.3.52 void activemq::core::ActiveMQConnection::setRedeliveryPolicy (RedeliveryPolicy * *policy*)

Sets the **RedeliveryPolicy** (p. 3267) instance that this factory should use when it creates new Connection instances.

The **RedeliveryPolicy** (p. 3267) passed becomes the property of the factory and will be deleted when the factory is destroyed.

Parameters

policy	The new **RedeliveryPolicy** (p. 3267) that the ConnectionFactory should clone for Connections.

6.23.3.53 void activemq::core::ActiveMQConnection::setSendTimeout (unsigned int *timeout*)

Sets the send timeout to use when sending Message objects, this will cause all messages to be sent using a Synchronous request is non-zero.

Parameters

timeout	- The time to wait for a response.

6.23.3.54 void activemq::core::ActiveMQConnection::setTransportInterruptionProcessingComplete ( )

Indicates that a Connection resource that is processing the transportInterrupted event has completed.

6.23.3.55 void activemq::core::ActiveMQConnection::setUseAsyncSend (bool *value*)

Sets the useAsyncSend option.

Parameters

value	- true to activate, false to disable.

6.23.3.56 void activemq::core::ActiveMQConnection::setUseCompression (bool *value*)

Sets whether Message body compression is enabled.

Parameters

value	Boolean indicating if Message body compression is enabled.

6.23.3.57 void activemq::core::ActiveMQConnection::setUsername (const std::string & *username*)

Sets the username that should be used when creating a new connection.

Parameters

username	string

6.23.3.58 virtual void activemq::core::ActiveMQConnection::start ( ) throw (**cms::CMSException**) `[virtual]`

Starts or (restarts) a connections delivery of incoming messages.

Exceptions

CMSException	

Implements **cms::Startable** (p. 3692).

6.23.3.59 virtual void activemq::core::ActiveMQConnection::stop ( ) throw (cms::CMSException) [virtual]

Stop the flow of incoming messages.

Exceptions

CMSException	

Implements **cms::Stoppable** (p. 3756).

6.23.3.60 void activemq::core::ActiveMQConnection::syncRequest (Pointer< commands::Command > *command*, unsigned int *timeout* = 0) throw (activemq::exceptions::ActiveMQException)

Sends a synchronous request and returns the response from the broker.

Converts any error responses into an exception.

Parameters

command	The request command.
timeout	The time to wait for a response, default is zero or infinite.

Exceptions

ConnectorException	thrown if an error response was received from the broker, or if any other error occurred.

6.23.3.61 virtual void activemq::core::ActiveMQConnection::transportInterrupted ( ) [virtual]

The transport has suffered an interruption from which it hopes to recover.

Implements **activemq::transport::TransportListener** (p. 4015).

6.23.3.62 virtual void activemq::core::ActiveMQConnection::transportResumed ( ) [virtual]

The transport has resumed after an interruption.

Implements **activemq::transport::TransportListener** (p. 4015).

The documentation for this class was generated from the following file:

- src/main/activemq/core/**ActiveMQConnection.h**

6.24 activemq::core::ActiveMQConnectionFactory Class Reference

`#include <src/main/activemq/core/ActiveMQConnectionFactory.h>`

Inheritance diagram for activemq::core::ActiveMQConnectionFactory:

Public Member Functions

- **ActiveMQConnectionFactory** ()
- **ActiveMQConnectionFactory** (const std::string &url, const std::string &username="", const std::string &password="")

  Constructor.

- virtual ~**ActiveMQConnectionFactory** ()
- virtual **cms::Connection** ∗ **createConnection** () throw (cms::CMSException)

  Creates a connection with the default user identity.

- virtual **cms::Connection** ∗ **createConnection** (const std::string &username, const std::string &password) throw (cms::CMSException)

  Creates a connection with the specified user identity.

- virtual **cms::Connection** ∗ **createConnection** (const std::string &username, const std::string &password, const std::string &clientId) throw (cms::CMSException)

  Creates a connection with the specified user identity.

- void **setUsername** (const std::string &username)

  Sets the username that should be used when creating a new connection.

- const std::string & **getUsername** () const

  Gets the username that this factory will use when creating a new connection instance.

- void **setPassword** (const std::string &password)

  Sets the password that should be used when creating a new connection.

- const std::string & **getPassword** () const

  Gets the password that this factory will use when creating a new connection instance.

- std::string **getClientId** () const

  Gets the Configured Client Id.

- void **setClientId** (const std::string &clientId)

  Sets the Client Id.

- void **setBrokerURL** (const std::string &brokerURL)

  Sets the Broker URL that should be used when creating a new connection instance.

- const std::string & **getBrokerURL** () const

  Gets the Broker URL that this factory will use when creating a new connection instance.

- void **setExceptionListener** (**cms::ExceptionListener** ∗listener)

  Set an CMS ExceptionListener that will be set on eat connection once it has been created.

- **cms::ExceptionListener** ∗ **getExceptionListener** () const

  Returns the currently set ExceptionListener that will be set on any new Connection instance that is created by this factory.

- void **setPrefetchPolicy** (**PrefetchPolicy** ∗policy)

  *Sets the **PrefetchPolicy** (p. 3062) instance that this factory should use when it creates new Connection instances.*

- **PrefetchPolicy** ∗ **getPrefetchPolicy** () const

  *Gets the pointer to the current **PrefetchPolicy** (p. 3062) that is in use by this ConnectionFactory.*

- void **setRedeliveryPolicy** (**RedeliveryPolicy** ∗policy)

  *Sets the **RedeliveryPolicy** (p. 3267) instance that this factory should use when it creates new Connection instances.*

- **RedeliveryPolicy** ∗ **getRedeliveryPolicy** () const

  *Gets the pointer to the current **RedeliveryPolicy** (p. 3267) that is in use by this ConnectionFactory.*

- bool **isDispatchAsync** () const
- void **setDispatchAsync** (bool value)

  Should messages be dispatched synchronously or asynchronously from the producer thread for non-durable topics in the broker? For fast consumers set this to false.

- bool **isAlwaysSyncSend** () const

  Gets if the Connection should always send things Synchronously.

- void **setAlwaysSyncSend** (bool value)

  Sets if the Connection should always send things Synchronously.

- bool **isUseAsyncSend** () const

  Gets if the useAsyncSend option is set.

- void **setUseAsyncSend** (bool value)

  Sets the useAsyncSend option.

- bool **isUseCompression** () const

  Gets if the Connection is configured for Message body compression.

- void **setUseCompression** (bool value)

  Sets whether Message body compression is enabled.

- unsigned int **getSendTimeout** () const

  Gets the assigned send timeout for this Connector.

- void **setSendTimeout** (unsigned int timeout)

  Sets the send timeout to use when sending Message objects, this will cause all messages to be sent using a Synchronous request is non-zero.

- unsigned int **getCloseTimeout** () const

  Gets the assigned close timeout for this Connector.

- void **setCloseTimeout** (unsigned int timeout)

  Sets the close timeout to use when sending the disconnect request.

- unsigned int **getProducerWindowSize** () const

  Gets the configured producer window size for Producers that are created from this connector.

- void **setProducerWindowSize** (unsigned int windowSize)

  Sets the size in Bytes of messages that a producer can send before it is blocked to await a ProducerAck from the broker that frees enough memory to allow another message to be sent.

Static Public Member Functions

- static **cms::Connection** ∗ **createConnection** (const std::string &url, const std::string &username, const std::string &password, const std::string &clientId="") throw (cms::CMSException)

  Creates a connection with the specified user identity.

Static Public Attributes

- static const std::string **DEFAULT_URI**

6.24.1 Constructor & Destructor Documentation

6.24.1.1 activemq::core::ActiveMQConnectionFactory::ActiveMQConnectionFactory ( )

6.24.1.2 activemq::core::ActiveMQConnectionFactory::ActiveMQConnectionFactory (const std::string & *url*, const std::string & *username* = " ", const std::string & *password* = " ")

Constructor.

Parameters

url	the URL of the Broker we are connecting to.
username	to authenticate with, defaults to ""
password	to authenticate with, defaults to ""

6.24.1.3 virtual activemq::core::ActiveMQConnectionFactory::~ActiveMQConnectionFactory ( ) [virtual]

6.24.2 Member Function Documentation

6.24.2.1 virtual cms::Connection* activemq::core::ActiveMQConnectionFactory::createConnection ( ) throw (cms::CMSException) [virtual]

Creates a connection with the default user identity.

The connection is created in stopped mode. No messages will be delivered until the Connection.start method is explicitly called.

Returns

a Connection Pointer

Exceptions

CMSException	

Implements **cms::ConnectionFactory** (p. 1364).

6.24.2.2 virtual cms::Connection* activemq::core::ActiveMQConnectionFactory::createConnection (const std::string & *username*, const std::string & *password*) throw (cms::CMSException) [virtual]

Creates a connection with the specified user identity.

The connection is created in stopped mode. No messages will be delivered until the Connection.start method is explicitly called. The username and password values passed here do not change the defaults, subsequent calls to the parameterless createConnection will continue to use the default values that were set in the Constructor.

Parameters

username	to authenticate with
password	to authenticate with

Returns

a Connection Pointer

Exceptions

CMSException	

Implements **cms::ConnectionFactory** (p. 1363).

6.24.2.3 static cms::Connection* activemq::core::ActiveMQConnectionFactory::createConnection (const std::string & *url*, const std::string & *username*, const std::string & *password*, const std::string & *clientId* = " ") throw (cms::CMSException) [static]

Creates a connection with the specified user identity.

The connection is created in stopped mode. No messages will be delivered until the Connection.start method is explicitly called.

Parameters

url	the URL of the Broker we are connecting to.
username	to authenticate with
password	to authenticate with
clientId	to assign to connection, defaults to ""

Exceptions

CMSException.	

6.24.2.4 virtual cms::Connection* activemq::core::ActiveMQConnectionFactory::createConnection (const std::string & *username*, const std::string & *password*, const std::string & *clientId*) throw (cms::CMSException) [virtual]

Creates a connection with the specified user identity.

The connection is created in stopped mode. No messages will be delivered until the Connection.start method is explicitly called. The username and password values passed here do not change the defaults, subsequent calls to the parameterless createConnection will continue to use the default values that were set in the Constructor.

Parameters

username	to authenticate with
password	to authenticate with
clientId	to assign to connection if "" then a random cleint Id is created for this connection.

Returns

a Connection Pointer

Exceptions

CMSException	

Implements **cms::ConnectionFactory** (p. 1364).

6.24.2.5 const std::string& activemq::core::ActiveMQConnectionFactory::getBrokerURL ( ) const

Gets the Broker URL that this factory will use when creating a new connection instance.

Returns

brokerURL string

6.24.2.6 std::string activemq::core::ActiveMQConnectionFactory::getClientId ( ) const

Gets the Configured Client Id.

Returns

the clientId.

6.24.2.7 unsigned int activemq::core::ActiveMQConnectionFactory::getCloseTimeout ( ) const

Gets the assigned close timeout for this Connector.

Returns

the close timeout configured in the connection uri

6.24.2.8 cms::ExceptionListener* activemq::core::ActiveMQConnectionFactory::getExceptionListener ( ) const

Returns the currently set ExceptionListener that will be set on any new Connection instance that is created by this factory.

Returns

a pointer to a CMS ExceptionListener instance or NULL if not set.

6.24.2.9 const std::string& activemq::core::ActiveMQConnectionFactory::getPassword ( ) const

Gets the password that this factory will use when creating a new connection instance.

Returns

password string, "" for default credentials

6.24.2.10 PrefetchPolicy* activemq::core::ActiveMQConnectionFactory::getPrefetchPolicy ( ) const

Gets the pointer to the current **PrefetchPolicy** (p. 3062) that is in use by this ConnectionFactory.

Returns

a pointer to this objects **PrefetchPolicy** (p. 3062).

6.24.2.11 unsigned int activemq::core::ActiveMQConnectionFactory::getProducerWindowSize ( ) const

Gets the configured producer window size for Producers that are created from this connector.

This only applies if there is no send timeout and the producer is able to send asynchronously.

Returns

size in bytes of messages that this producer can produce before it must block and wait for ProducerAck messages to free resources.

6.24.2.12 RedeliveryPolicy* activemq::core::ActiveMQConnectionFactory::getRedeliveryPolicy ( ) const

Gets the pointer to the current **RedeliveryPolicy** (p. 3267) that is in use by this ConnectionFactory.

Returns

a pointer to this objects **RedeliveryPolicy** (p. 3267).

6.24.2.13 unsigned int activemq::core::ActiveMQConnectionFactory::getSendTimeout ( ) const

Gets the assigned send timeout for this Connector.

Returns

the send timeout configured in the connection uri

6.24.2.14 const std::string& activemq::core::ActiveMQConnectionFactory::getUsername ( ) const

Gets the username that this factory will use when creating a new connection instance.

Returns

username string, "" for default credentials

6.24.2.15 bool activemq::core::ActiveMQConnectionFactory::isAlwaysSyncSend ( ) const

Gets if the Connection should always send things Synchronously.

Returns

true if sends should always be Synchronous.

6.24.2.16 bool activemq::core::ActiveMQConnectionFactory::isDispatchAsync ( ) const

Returns

The value of the dispatch asynchronously option sent to the broker.

6.24.2.17 bool activemq::core::ActiveMQConnectionFactory::isUseAsyncSend ( ) const

Gets if the useAsyncSend option is set.

Returns

true if on false if not.

6.24.2.18 bool activemq::core::ActiveMQConnectionFactory::isUseCompression ( ) const

Gets if the Connection is configured for Message body compression.

Returns

if the Message body will be Compressed or not.

6.24.2.19 void activemq::core::ActiveMQConnectionFactory::setAlwaysSyncSend (bool *value*)

Sets if the Connection should always send things Synchronously.

Parameters

value	true if sends should always be Synchronous.

6.24.2.20 void activemq::core::ActiveMQConnectionFactory::setBrokerURL (const std::string & *brokerURL*)

Sets the Broker URL that should be used when creating a new connection instance.

Parameters

brokerURL	string

6.24.2.21 void activemq::core::ActiveMQConnectionFactory::setClientId (const std::string & *clientId*)

Sets the Client Id.

Parameters

clientId	- The new clientId value.

6.24.2.22 void activemq::core::ActiveMQConnectionFactory::setCloseTimeout (unsigned int *timeout*)

Sets the close timeout to use when sending the disconnect request.

Parameters

timeout	- The time to wait for a close message.

6.24.2.23 void activemq::core::ActiveMQConnectionFactory::setDispatchAsync (bool *value*)

Should messages be dispatched synchronously or asynchronously from the producer thread for non-durable topics in the broker? For fast consumers set this to false.

For slow consumers set it to true so that dispatching will not block fast consumers. .

Parameters

value	The value of the dispatch asynchronously option sent to the broker.

6.24.2.24 void activemq::core::ActiveMQConnectionFactory::setExceptionListener (cms::ExceptionListener * *listener*)

Set an CMS ExceptionListener that will be set on eat connection once it has been created.

The factory does not take ownership of this pointer, the client must ensure that its lifetime is scoped to the connection that it is applied to.

Parameters

listener	The listener to set on the connection or NULL for no listener.

6.24.2.25 void activemq::core::ActiveMQConnectionFactory::setPassword (const std::string & *password*)

Sets the password that should be used when creating a new connection.

Parameters

password	string

6.24.2.26 void activemq::core::ActiveMQConnectionFactory::setPrefetchPolicy (PrefetchPolicy * *policy*)

Sets the **PrefetchPolicy** (p. 3062) instance that this factory should use when it creates new Connection instances.

The **PrefetchPolicy** (p. 3062) passed becomes the property of the factory and will be deleted when the factory is destroyed.

Parameters

policy	The new **PrefetchPolicy** (p. 3062) that the ConnectionFactory should clone for Connections.

6.24.2.27 void activemq::core::ActiveMQConnectionFactory::setProducerWindowSize (unsigned int *windowSize*)

Sets the size in Bytes of messages that a producer can send before it is blocked to await a ProducerAck from the broker that frees enough memory to allow another message to be sent.

Parameters

windowSize	- The size in bytes of the Producers memory window.

6.24.2.28 void activemq::core::ActiveMQConnectionFactory::setRedeliveryPolicy (RedeliveryPolicy * *policy*)

Sets the **RedeliveryPolicy** (p. 3267) instance that this factory should use when it creates new Connection instances.

The **RedeliveryPolicy** (p. 3267) passed becomes the property of the factory and will be deleted when the factory is destroyed.

Parameters

policy	The new **RedeliveryPolicy** (p. 3267) that the ConnectionFactory should clone for Connections.

6.24.2.29 void activemq::core::ActiveMQConnectionFactory::setSendTimeout (unsigned int *timeout*)

Sets the send timeout to use when sending Message objects, this will cause all messages to be sent using a Synchronous request is non-zero.

Parameters

timeout	- The time to wait for a response.

6.24.2.30 void activemq::core::ActiveMQConnectionFactory::setUseAsyncSend (bool *value*)

Sets the useAsyncSend option.

Parameters

value	- true to activate, false to disable.

6.24.2.31 void activemq::core::ActiveMQConnectionFactory::setUseCompression (bool *value*)

Sets whether Message body compression is enabled.

Parameters

value	Boolean indicating if Message body compression is enabled.

6.24.2.32 void activemq::core::ActiveMQConnectionFactory::setUsername (const std::string & *username*)

Sets the username that should be used when creating a new connection.

Parameters

username	string

6.24.3 Field Documentation

6.24.3.1 const std::string activemq::core::ActiveMQConnectionFactory::DEFAULT_URI [static]

The documentation for this class was generated from the following file:

- src/main/activemq/core/**ActiveMQConnectionFactory.h**

6.25 activemq::core::ActiveMQConnectionMetaData Class Reference

This class houses all the various settings and information that is used by an instance of an **ActiveMQConnection** (p. 260) class.

`#include <src/main/activemq/core/ActiveMQConnectionMetaData.h>`

Inheritance diagram for activemq::core::ActiveMQConnectionMetaData:

Public Member Functions

- **ActiveMQConnectionMetaData** ()
- virtual ~**ActiveMQConnectionMetaData** ()
- virtual std::string **getCMSVersion** () const throw (cms::CMSException)

  Gets the CMS API version.

- virtual int **getCMSMajorVersion** () const throw (cms::CMSException)

  Gets the CMS major version number.

- virtual int **getCMSMinorVersion** () const throw (cms::CMSException)

  Gets the CMS minor version number.

- virtual std::string **getCMSProviderName** () const throw (cms::CMSException)

  Gets the CMS provider name.

- virtual std::string **getProviderVersion** () const throw (cms::CMSException)

  Gets the CMS provider version.

- virtual int **getProviderMajorVersion** () const throw (cms::CMSException)

  Gets the CMS provider major version number.

- virtual int **getProviderMinorVersion** () const throw (cms::CMSException)

  Gets the CMS provider minor version number.

- virtual std::vector< std::string > **getCMSXPropertyNames** () const throw (cms::CMSException)

  Gets an Vector of the CMSX property names.

6.25.1 Detailed Description

This class houses all the various settings and information that is used by an instance of an **ActiveMQConnection** (p. 260) class.

Since

3.0

6.25.2 Constructor & Destructor Documentation

6.25.2.1 activemq::core::ActiveMQConnectionMetaData::ActiveMQConnectionMetaData ( )

6.25.2.2 virtual activemq::core::ActiveMQConnectionMetaData::~ActiveMQConnectionMetaData ( ) [virtual]

6.25.3 Member Function Documentation

6.25.3.1 virtual int activemq::core::ActiveMQConnectionMetaData::getCMSMajorVersion ( ) const throw (cms::CMSException) [virtual]

Gets the CMS major version number.

Returns

the CMS API major version number

Exceptions

CMSException	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implements **cms::ConnectionMetaData** (p. 1426).

6.25.3.2 virtual int activemq::core::ActiveMQConnectionMetaData::getCMSMinorVersion ( ) const throw (cms::CMSException) [virtual]

Gets the CMS minor version number.

Returns

the CMS API minor version number

Exceptions

CMSException	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implements **cms::ConnectionMetaData** (p. 1427).

6.25.3.3 virtual std::string activemq::core::ActiveMQConnectionMetaData::getCMSProviderName ( ) const throw (cms::CMSException) [virtual]

Gets the CMS provider name.

Returns

the CMS provider name

Exceptions

CMSException	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implements **cms::ConnectionMetaData** (p. 1427).

6.25.3.4 virtual std::string activemq::core::ActiveMQConnectionMetaData::getCMSVersion ( ) const throw (cms::CMSException) [virtual]

Gets the CMS API version.

Returns

the CMS API Version in String form.

Exceptions

CMSException	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implements **cms::ConnectionMetaData** (p. 1427).

6.25.3.5 virtual std::vector<std::string> activemq::core::ActiveMQConnectionMetaData::getCMSXPropertyNames ( ) const throw (cms::CMSException) [virtual]

Gets an Vector of the CMSX property names.

Returns

an Vector of CMSX property names

Exceptions

CMSException	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implements **cms::ConnectionMetaData** (p. 1428).

6.25.3.6 virtual int activemq::core::ActiveMQConnectionMetaData::getProviderMajorVersion ( ) const throw (cms::CMSException) [virtual]

Gets the CMS provider major version number.

Returns

the CMS provider major version number

Exceptions

CMSException	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implements **cms::ConnectionMetaData** (p. 1428).

6.25.3.7 virtual int activemq::core::ActiveMQConnectionMetaData::getProviderMinorVersion ( ) const throw (cms::CMSException) [virtual]

Gets the CMS provider minor version number.

Returns

the CMS provider minor version number

Exceptions

CMSException	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implements **cms::ConnectionMetaData** (p. 1428).

6.25.3.8 virtual std::string activemq::core::ActiveMQConnectionMetaData::getProviderVersion ( ) const throw (cms::CMSException) [virtual]

Gets the CMS provider version.

Returns

the CMS provider version

Exceptions

CMSException	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implements **cms::ConnectionMetaData** (p. 1429).

The documentation for this class was generated from the following file:

- src/main/activemq/core/**ActiveMQConnectionMetaData.h**

6.26 activemq::core::ActiveMQConstants Class Reference

Class holding constant values for various ActiveMQ specific things Each constant is defined as an enumeration and has functions that convert back an forth between string and enum values.

```
#include <src/main/activemq/core/ActiveMQConstants.h>
```

Data Structures

- class **StaticInitializer**

Public Types

- enum **TransactionState** {

  TRANSACTION_STATE_BEGIN = 0, **TRANSACTION_STATE_PREPARE** = 1, **TRANSACTION_STATE_COMMITONEPHASE** = 2, **TRANSACTION_STATE_COMMITTWOPHASE** = 3,

  TRANSACTION_STATE_ROLLBACK = 4, **TRANSACTION_STATE_RECOVER** = 5, **TRANSACTION_STATE_FORGET** = 6, **TRANSACTION_STATE_END** = 7 }
- enum **DestinationActions** { **DESTINATION_ADD_OPERATION** = 0, **DESTINATION_REMOVE_OPERATION** = 1 }
- enum **AckType** {

  ACK_TYPE_DELIVERED = 0, **ACK_TYPE_POISON** = 1, **ACK_TYPE_CONSUMED** = 2, **ACK_TYPE_REDELIVERED** = 3,

  ACK_TYPE_INDIVIDUAL = 4 }
- enum **DestinationOption** {

  CONSUMER_PREFECTCHSIZE, **CUNSUMER_MAXPENDINGMSGLIMIT**, **CONSUMER_NOLOCAL**, **CONSUMER_DISPATCHASYNC**,

  CONSUMER_RETROACTIVE, **CONSUMER_SELECTOR**, **CONSUMER_EXCLUSIVE**, **CONSUMER_PRIORITY**,

NUM_OPTIONS }

These values represent the options that can be appended to an Destination name, i.e.

- enum **URIParam** {

  CONNECTION_SENDTIMEOUT, **CONNECTION_PRODUCERWINDOWSIZE**, **CONNECTION_CLOSETIMEOUT**, **CONNECTION_ALWAYSSYNCSEND**,

  CONNECTION_USEASYNCSEND, **CONNECTION_USECOMPRESSION**, **CONNECTION_DISPATCHASYNC**, **PARAM_USERNAME**,

  PARAM_PASSWORD, **PARAM_CLIENTID**, **NUM_PARAMS** }

  These values represent the parameters that can be added to the connection URI that affect the ActiveMQ Core API.

Static Public Member Functions

- static const std::string & **toString** (const **DestinationOption** option)
- static **DestinationOption toDestinationOption** (const std::string &option)
- static const std::string & **toString** (const **URIParam** option)
- static **URIParam toURIOption** (const std::string &option)

6.26.1 Detailed Description

Class holding constant values for various ActiveMQ specific things Each constant is defined as an enumeration and has functions that convert back an forth between string and enum values.

6.26.2 Member Enumeration Documentation

6.26.2.1 enum activemq::core::ActiveMQConstants::AckType

Enumerator:

ACK_TYPE_DELIVERED

ACK_TYPE_POISON

ACK_TYPE_CONSUMED

ACK_TYPE_REDELIVERED

ACK_TYPE_INDIVIDUAL

6.26.2.2 enum activemq::core::ActiveMQConstants::DestinationActions

Enumerator:

DESTINATION_ADD_OPERATION

DESTINATION_REMOVE_OPERATION

6.26.2.3 enum activemq::core::ActiveMQConstants::DestinationOption

These values represent the options that can be appended to an Destination name, i.e. /topic/foo?consumer.exclusive=true

Enumerator:

CONSUMER_PREFECTCHSIZE
CUNSUMER_MAXPENDINGMSGLIMIT
CONSUMER_NOLOCAL
CONSUMER_DISPATCHASYNC
CONSUMER_RETROACTIVE
CONSUMER_SELECTOR
CONSUMER_EXCLUSIVE
CONSUMER_PRIORITY
NUM_OPTIONS

6.26.2.4 enum activemq::core::ActiveMQConstants::TransactionState

Enumerator:

TRANSACTION_STATE_BEGIN
TRANSACTION_STATE_PREPARE
TRANSACTION_STATE_COMMITONEPHASE
TRANSACTION_STATE_COMMITTWOPHASE
TRANSACTION_STATE_ROLLBACK
TRANSACTION_STATE_RECOVER
TRANSACTION_STATE_FORGET
TRANSACTION_STATE_END

6.26.2.5 enum activemq::core::ActiveMQConstants::URIParam

These values represent the parameters that can be added to the connection URI that affect the ActiveMQ Core API.

Enumerator:

CONNECTION_SENDTIMEOUT
CONNECTION_PRODUCERWINDOWSIZE
CONNECTION_CLOSETIMEOUT
CONNECTION_ALWAYSSYNCSEND
CONNECTION_USEASYNCSEND

CONNECTION_USECOMPRESSION
CONNECTION_DISPATCHASYNC
PARAM_USERNAME
PARAM_PASSWORD
PARAM_CLIENTID
NUM_PARAMS

6.26.3 Member Function Documentation

6.26.3.1 static DestinationOption activemq::core::ActiveMQConstants::toDestinationOption (const std::string & *option*) [inline, static]

6.26.3.2 static const std::string& activemq::core::ActiveMQConstants::toString (const DestinationOption *option*) [inline, static]

6.26.3.3 static const std::string& activemq::core::ActiveMQConstants::toString (const URIParam *option*) [inline, static]

6.26.3.4 static URIParam activemq::core::ActiveMQConstants::toURIOption (const std::string & *option*) [inline, static]

The documentation for this class was generated from the following file:

- src/main/activemq/core/**ActiveMQConstants.h**

6.27 activemq::core::ActiveMQConsumer Class Reference

`#include <src/main/activemq/core/ActiveMQConsumer.h>`

Inheritance diagram for activemq::core::ActiveMQConsumer:

Public Member Functions

- **ActiveMQConsumer** (**ActiveMQSession** ∗session, const **Pointer**< **commands::ConsumerId** > &id, const **Pointer**< **commands::ActiveMQDestination** > &destination, const std::string &name, const std::string &selector, int prefetch, int maxPendingMessageCount, bool noLocal, bool browser, bool dispatchAsync, **cms::MessageListener** ∗listener)

  Constructor.

- virtual ∼**ActiveMQConsumer** ()
- virtual void **start** ()

  Starts the Consumer if not already started and not closed.

- virtual void **stop** ()

  Stops a Consumer, the Consumer will not deliver any messages that are dispatched to it until it is started again.

- virtual void **close** () throw (cms::CMSException)

  Closes the Consumer.

- virtual **cms::Message** ∗ **receive** () throw (cms::CMSException)

  Synchronously Receive a Message.

- virtual **cms::Message** ∗ **receive** (int millisecs) throw (cms::CMSException)

  Synchronously Receive a Message, time out after defined interval.

- virtual **cms::Message** ∗ **receiveNoWait** () throw (cms::CMSException)

  Receive a Message, does not wait if there isn't a new message to read, returns NULL if nothing read.

- virtual void **setMessageListener** (**cms::MessageListener** ∗listener) throw (cms::CMSException)

  Sets the MessageListener that this class will send notifs on.

- virtual **cms::MessageListener** ∗ **getMessageListener** () const throw (cms::CMSException)

  Gets the MessageListener that this class will send events to.

- virtual std::string **getMessageSelector** () const throw (cms::CMSException)

  Gets this message consumer's message selector expression.

- virtual void **acknowledge** (const **Pointer**< **commands::MessageDispatch** > &dispatch) throw (cms::CMSException)

  Method called to acknowledge the message passed, called from a message when the mode is client ack.

- virtual void **dispatch** (const **Pointer**< **MessageDispatch** > &message)

  Called asynchronously by the session to dispatch a message.

- void **acknowledge** () throw (cms::CMSException)

  Method called to acknowledge all messages that have been received so far.

- void **commit** () throw (exceptions::ActiveMQException)

  Called to Commit the current set of messages in this Transaction.

- void **rollback** () throw (exceptions::ActiveMQException)

  Called to Roll back the current set of messages in this Transaction.

- void **doClose** () throw (exceptions::ActiveMQException)

Performs the actual close operation on this consumer.

- const **Pointer**< **commands::ConsumerInfo** > & **getConsumerInfo** () const

  Get the Consumer information for this consumer.

- const **Pointer**< **commands::ConsumerId** > & **getConsumerId** () const

  Get the Consumer Id for this consumer.

- bool **isClosed** () const
- bool **isSynchronizationRegistered** () const

  *Has this Consumer Transaction **Synchronization** (p. 3826) been added to the transaction.*

- void **setSynchronizationRegistered** (bool value)

  *Sets the **Synchronization** (p. 3826) Registered state of this consumer.*

- bool **iterate** ()

  Deliver any pending messages to the registered MessageListener if there is one, return true if not all dispatched, or false if no listener or all pending messages have been dispatched.

- void **deliverAcks** () throw (exceptions::ActiveMQException)

  Forces this consumer to send all pending acks to the broker.

- void **clearMessagesInProgress** ()

  Called on a Failover to clear any pending messages.

- void **inProgressClearRequired** ()

  Signals that a Failure occurred and that anything in-progress in the consumer should be cleared.

- long long **getLastDeliveredSequenceId** () const

  Gets the currently set Last Delivered Sequence Id.

- void **setLastDeliveredSequenceId** (long long value)

  Sets the value of the Last Delivered Sequence Id.

- int **getMessageAvailableCount** () const
- void **setRedeliveryPolicy** (**RedeliveryPolicy** *policy)

  *Sets the **RedeliveryPolicy** (p. 3267) this Consumer should use when a rollback is performed on a transacted Consumer.*

- **RedeliveryPolicy** * **getRedeliveryPolicy** () const

  Gets a pointer to this Consumer's Redelivery Policy object, the Consumer retains ownership of this pointer so the caller should not delete it.

Protected Member Functions

- **Pointer< MessageDispatch > dequeue** (long long timeout) throw (cms::CMSException)

  Used by synchronous receive methods to wait for messages to come in.

- void **beforeMessageIsConsumed** (const **Pointer< commands::MessageDispatch >** &dispatch)

  Pre-consume processing.

- void **afterMessageIsConsumed** (const **Pointer< commands::MessageDispatch >** &dispatch, bool messageExpired)

  Post-consume processing.

6.27.1 Constructor & Destructor Documentation

6.27.1.1 activemq::core::ActiveMQConsumer::ActiveMQConsumer (ActiveMQSession * *session,* const Pointer< commands::ConsumerId > & *id,* const Pointer< commands::ActiveMQDestination > & *destination,* const std::string & *name,* const std::string & *selector,* int *prefetch,* int *maxPendingMessageCount,* bool *noLocal,* bool *browser,* bool *dispatchAsync,* cms::MessageListener * *listener*)

Constructor.

6.27.1.2 virtual activemq::core::ActiveMQConsumer::~ActiveMQConsumer ( ) [virtual]

6.27.2 Member Function Documentation

6.27.2.1 virtual void activemq::core::ActiveMQConsumer::acknowledge (const Pointer< commands::MessageDispatch > & *dispatch*) throw (cms::CMSException) [virtual]

Method called to acknowledge the message passed, called from a message when the mode is client ack.

Parameters

message	the Message to Acknowledge

Exceptions

CMSException	

6.27.2.2 void activemq::core::ActiveMQConsumer::acknowledge ( ) throw (cms::CMSException)

Method called to acknowledge all messages that have been received so far.

Exceptions

CMSException	

6.27.2.3 void activemq::core::ActiveMQConsumer::afterMessageIsConsumed (const Pointer< commands::MessageDispatch > & *dispatch,* bool *messageExpired*) [protected]

Post-consume processing.

Parameters

dispatch	- the consumed message
messageExpired	- flag indicating if the message has expired.

6.27.2.4 void activemq::core::ActiveMQConsumer::beforeMessageIsConsumed (const Pointer< commands::MessageDispatch > & *dispatch*) [protected]

Pre-consume processing.

Parameters

dispatch	- the message being consumed.

6.27.2.5 void activemq::core::ActiveMQConsumer::clearMessagesInProgress ( )

Called on a Failover to clear any pending messages.

6.27.2.6 virtual void activemq::core::ActiveMQConsumer::close ( ) throw (cms::CMSException) [virtual]

Closes the Consumer.

This will return all allocated resources and purge any outstanding messages. This method will block if there is a call to receive in progress, or a dispatch to a MessageListener in place

Exceptions

CMSException	

Implements **cms::Closeable** (p. 1180).

6.27.2.7 void activemq::core::ActiveMQConsumer::commit ( ) throw (exceptions::ActiveMQException)

Called to Commit the current set of messages in this Transaction.

Exceptions

ActiveMQException	

6.27.2.8 void activemq::core::ActiveMQConsumer::deliverAcks ( ) throw (exceptions::ActiveMQException)

Forces this consumer to send all pending acks to the broker.

6.27.2.9 Pointer<MessageDispatch> activemq::core::ActiveMQConsumer::dequeue (long long *timeout*) throw (cms::CMSException) [protected]

Used by synchronous receive methods to wait for messages to come in.

Parameters

timeout	- The maximum number of milliseconds to wait before returning. If -1, it will block until a messages is received or this consumer is closed. If 0, will not block at all. If > 0, will wait at a maximum the specified number of milliseconds before returning.

Returns

the message, if received within the allotted time. Otherwise NULL.

Exceptions

InvalidStateException	if this consumer is closed upon entering this method.

6.27.2.10 virtual void activemq::core::ActiveMQConsumer::dispatch (const Pointer< MessageDispatch > & *message*) [virtual]

Called asynchronously by the session to dispatch a message.

Parameters

message	dispatch object pointer

Implements **activemq::core::Dispatcher** (p. 1841).

6.27.2.11 void activemq::core::ActiveMQConsumer::doClose ( ) throw (exceptions::ActiveMQException)

Performs the actual close operation on this consumer.

Exceptions

ActiveMQException	

6.27.2.12 const Pointer<commands::ConsumerId>& activemq::core::ActiveMQConsumer::getConsumerId ( ) const [inline]

Get the Consumer Id for this consumer.

Returns

Reference to a Consumer Id Object

6.27.2.13 const Pointer<commands::ConsumerInfo>& activemq::core::ActiveMQConsumer::getConsumerInfo ( ) const [inline]

Get the Consumer information for this consumer.

Returns

Reference to a Consumer Info Object

6.27.2.14 long long activemq::core::ActiveMQConsumer::getLastDeliveredSequenceId ( ) const [inline]

Gets the currently set Last Delivered Sequence Id.

Returns

long long containing the sequence id of the last delivered Message.

6.27.2.15 int activemq::core::ActiveMQConsumer::getMessageAvailableCount ( ) const

Returns

the number of Message's this consumer is waiting to Dispatch.

6.27.2.16 virtual cms::MessageListener* activemq::core::ActiveMQConsumer::getMessageListener ( ) const throw (cms::CMSException) [inline, virtual]

Gets the MessageListener that this class will send events to.

Returns

the currently registered MessageListener interface pointer.

Implements **cms::MessageConsumer** (p. 2675).

6.27.2.17 virtual std::string activemq::core::ActiveMQConsumer::getMessageSelector ( ) const throw (cms::CMSException) [virtual]

Gets this message consumer's message selector expression.

Returns

This Consumer's selector expression or "".

Exceptions

cms::CMSException *(p. 1190)*	

Implements **cms::MessageConsumer** (p. 2676).

6.27.2.18 RedeliveryPolicy* activemq::core::ActiveMQConsumer::getRedeliveryPolicy ( ) const [inline]

Gets a pointer to this Consumer's Redelivery Policy object, the Consumer retains ownership of this pointer so the caller should not delete it.

Returns

a Pointer to a **RedeliveryPolicy** (p. 3267) that is in use by this Consumer.

6.27.2.19 void activemq::core::ActiveMQConsumer::inProgressClearRequired ( )

Signals that a Failure occurred and that anything in-progress in the consumer should be cleared.

6.27.2.20 bool activemq::core::ActiveMQConsumer::isClosed ( ) const [inline]

Returns

if this Consumer has been closed.

6.27.2.21 bool activemq::core::ActiveMQConsumer::isSynchronizationRegistered ( ) const [inline]

Has this Consumer Transaction **Synchronization** (p. 3826) been added to the transaction.

Returns

true if the synchronization has been added.

6.27.2.22 bool activemq::core::ActiveMQConsumer::iterate ( )

Deliver any pending messages to the registered MessageListener if there is one, return true if not all dispatched, or false if no listener or all pending messages have been dispatched.

6.27.2.23 virtual cms::Message* activemq::core::ActiveMQConsumer::receive ( ) throw (cms::CMSException) [virtual]

Synchronously Receive a Message.

Returns

new message

Exceptions

CMSException	

Implements **cms::MessageConsumer** (p. 2676).

6.27.2.24 virtual cms::Message* activemq::core::ActiveMQConsumer::receive (int *millisecs*) throw (cms::CMSException) [virtual]

Synchronously Receive a Message, time out after defined interval.

Returns null if nothing read.

Parameters

millisecs	the time in milliseconds to wait before returning

Returns

new message or null on timeout

Exceptions

CMSException	

Implements **cms::MessageConsumer** (p. 2676).

6.27.2.25 virtual cms::Message* activemq::core::ActiveMQConsumer::receiveNoWait ( ) throw (cms::CMSException) [virtual]

Receive a Message, does not wait if there isn't a new message to read, returns NULL if nothing read.

Returns

new message

Exceptions

CMSException	

Implements **cms::MessageConsumer** (p. 2677).

6.27.2.26 void activemq::core::ActiveMQConsumer::rollback ( ) throw (exceptions::ActiveMQException)

Called to Roll back the current set of messages in this Transaction.

Exceptions

ActiveMQException	

6.27.2.27 void activemq::core::ActiveMQConsumer::setLastDeliveredSequenceId (long long *value*) [inline]

Sets the value of the Last Delivered Sequence Id.

Parameters

value	The new value to assign to the Last Delivered Sequence Id property.

6.27.2.28 virtual void activemq::core::ActiveMQConsumer::setMessageListener (cms::MessageListener * *listener*) throw (cms::CMSException) [virtual]

Sets the MessageListener that this class will send notifs on.

Parameters

listener	MessageListener interface pointer

Implements **cms::MessageConsumer** (p. 2677).

6.27.2.29 void activemq::core::ActiveMQConsumer::setRedeliveryPolicy (RedeliveryPolicy * *policy*) [inline]

Sets the **RedeliveryPolicy** (p. 3267) this Consumer should use when a rollback is performed on a transacted Consumer.

The Consumer takes ownership of the passed pointer. The Consumer's redelivery policy can never be null, a call to this method with a NULL pointer is ignored.

Parameters

policy	Pointer to a Redelivery Policy object that his Consumer will use.

6.27.2.30 void activemq::core::ActiveMQConsumer::setSynchronizationRegistered (bool *value*) [inline]

Sets the **Synchronization** (p. 3826) Registered state of this consumer.

Parameters

value	- true if registered false otherwise.

6.27.2.31 virtual void activemq::core::ActiveMQConsumer::start ( ) [virtual]

Starts the Consumer if not already started and not closed.

A consumer will no deliver messages until started.

6.27.2.32 virtual void activemq::core::ActiveMQConsumer::stop ( ) [virtual]

Stops a Consumer, the Consumer will not deliver any messages that are dispatched to it until it is started again.

A Closed Consumer is also a stopped consumer.

The documentation for this class was generated from the following file:

- src/main/activemq/core/**ActiveMQConsumer.h**

6.28 activemq::library::ActiveMQCPP Class Reference

```
#include <src/main/activemq/library/ActiveMQCPP.h>
```

Public Member Functions

- virtual ~**ActiveMQCPP** ()

Static Public Member Functions

- static void **initializeLibrary** ()

  Initialize the ActiveMQ-CPP Library constructs, this method will init all the internal Registry objects and initialize the Decaf library.

- static void **initializeLibrary** (int argc, char **argv)

  Initialize the ActiveMQ-CPP Library constructs, this method will initialize all the internal Registry objects and initialize the Decaf library.

- static void **shutdownLibrary** ()

  Shutdown the ActiveMQ-CPP Library, freeing any resources that could not be freed up to this point.

Protected Member Functions

- **ActiveMQCPP** ()
- **ActiveMQCPP** (const **ActiveMQCPP** &)
- **ActiveMQCPP** & **operator=** (const **ActiveMQCPP** &)

6.28.1 Constructor & Destructor Documentation

6.28.1.1 activemq::library::ActiveMQCPP::ActiveMQCPP ( ) [inline, protected]

6.28.1.2 activemq::library::ActiveMQCPP::ActiveMQCPP (const ActiveMQCPP &) [protected]

6.28.1.3 virtual activemq::library::ActiveMQCPP::~ActiveMQCPP ( ) [inline, virtual]

6.28.2 Member Function Documentation

6.28.2.1 static void activemq::library::ActiveMQCPP::initializeLibrary ( ) [static]

Initialize the ActiveMQ-CPP Library constructs, this method will init all the internal Registry objects and initialize the Decaf library.

Exceptions

runtime_error	if an error occurs while initializing this library.

6.28.2.2 static void activemq::library::ActiveMQCPP::initializeLibrary (int *argc*, char ** *argv*) [static]

Initialize the ActiveMQ-CPP Library constructs, this method will initialize all the internal Registry objects and initialize the Decaf library.

This method takes the args passed to the main method of process for use is setting system properties and configuring the ActiveMQ-CPP Library.

Parameters

argc	- the count of arguments passed to this Process.
argv	- the array of string arguments passed to this process.

Exceptions

runtime_error	if an error occurs while initializing this library.

6.28.2.3 ActiveMQCPP& activemq::library::ActiveMQCPP::operator= (const ActiveMQCPP &) [protected]

6.28.2.4 static void activemq::library::ActiveMQCPP::shutdownLibrary ( ) [static]

Shutdown the ActiveMQ-CPP Library, freeing any resources that could not be freed up to this point.

All the user created ActiveMQ-CPP objects and Decaf Library objects should have been destroyed by the time this method is called.

The documentation for this class was generated from the following file:

- src/main/activemq/library/**ActiveMQCPP.h**

6.29 activemq::commands::ActiveMQDestination Class Reference

`#include <src/main/activemq/commands/ActiveMQDestination.h>`

Inheritance diagram for activemq::commands::ActiveMQDestination:

Data Structures

- struct **DestinationFilter**

Public Member Functions

- **ActiveMQDestination** ()

- **ActiveMQDestination** (const std::string &**physicalName**)
- virtual ∼**ActiveMQDestination** ()
- virtual **ActiveMQDestination** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual unsigned char **getDataStructureType** () const

  *Get the **DataStructure*** (p. *1713) Type as defined in CommandTypes.h.*

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual const std::string & **getPhysicalName** () const

  Fetch this destination's physical name.

- virtual std::string & **getPhysicalName** ()
- virtual void **setPhysicalName** (const std::string &**physicalName**)

  Set this destination's physical name.

- virtual bool **isAdvisory** () const
- virtual void **setAdvisory** (bool **advisory**)
- virtual bool **isConsumerAdvisory** () const
- virtual bool **isProducerAdvisory** () const
- virtual bool **isConnectionAdvisory** () const
- virtual bool **isExclusive** () const
- virtual void **setExclusive** (bool **exclusive**)
- virtual bool **isOrdered** () const
- virtual void **setOrdered** (bool **ordered**)
- virtual std::string **getOrderedTarget** () const
- virtual void **setOrderedTarget** (const std::string &**orderedTarget**)
- virtual **cms::Destination::DestinationType getDestinationType** () const =0

  Returns the Type of Destination that this object represents.

- virtual bool **isTemporary** () const

  Returns true if a temporary Destination.

- virtual bool **isTopic** () const

  Returns true if a Topic Destination.

- virtual bool **isQueue** () const

  Returns true if a Queue Destination.

- virtual bool **isComposite** () const

  Returns true if this destination represents a collection of destinations; allowing a set of destinations to be published to or subscribed from in one CMS operation.

- virtual bool **isWildcard** () const
- const **activemq::util::ActiveMQProperties** & **getOptions** () const
- virtual const **cms::Destination** ∗ **getCMSDestination** () const

Static Public Member Functions

- static std::string **createTemporaryName** (const std::string &clientId)

  Create a temporary name from the clientId.

- static std::string **getClientId** (const **ActiveMQDestination** ∗destination)

  From a temporary destination find the clientId of the Connection that created it.

- static **Pointer**< **ActiveMQDestination** > **createDestination** (int type, const std::string &name)

  Creates a Destination given the String Name to use and a Type.

Static Public Attributes

- static const unsigned char **ID_ACTIVEMQDESTINATION** = 0

Protected Attributes

- bool **exclusive**
- bool **ordered**
- bool **advisory**
- std::string **orderedTarget**
- std::string **physicalName**
- **util::ActiveMQProperties options**

Static Protected Attributes

- static const std::string **ADVISORY_PREFIX**

  prefix for Advisory message destinations

- static const std::string **CONSUMER_ADVISORY_PREFIX**

  prefix for consumer advisory destinations

- static const std::string **PRODUCER_ADVISORY_PREFIX**

  prefix for producer advisory destinations

- static const std::string **CONNECTION_ADVISORY_PREFIX**

  prefix for connection advisory destinations

- static const std::string **DEFAULT_ORDERED_TARGET**

  The default target for ordered destinations.

- static const std::string **TEMP_PREFIX**
- static const std::string **TEMP_POSTFIX**
- static const std::string **COMPOSITE_SEPARATOR**
- static const std::string **QUEUE_QUALIFIED_PREFIX**
- static const std::string **TOPIC_QUALIFIED_PREFIX**
- static const std::string **TEMP_QUEUE_QUALIFED_PREFIX**
- static const std::string **TEMP_TOPIC_QUALIFED_PREFIX**

6.29.1 Constructor & Destructor Documentation

6.29.1.1 activemq::commands::ActiveMQDestination::ActiveMQDestination ( )

6.29.1.2 activemq::commands::ActiveMQDestination::ActiveMQDestination (const std::string & *physicalName*)

6.29.1.3 virtual activemq::commands::ActiveMQDestination::~ActiveMQDestination ( ) [inline, virtual]

6.29.2 Member Function Documentation

6.29.2.1 virtual ActiveMQDestination* activemq::commands::ActiveMQDestination::cloneDataStructure ( ) const [inline, virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

Reimplemented in **activemq::commands::ActiveMQQueue** (p. 481), **activemq::commands::ActiveMQTempDestination** (p. 580), **activemq::commands::ActiveMQTempQueue** (p. 608), **activemq::commands::ActiveMQTempTopic** (p. 638), and **activemq::commands::ActiveMQTopic** (p. 698).

6.29.2.2 virtual void activemq::commands::ActiveMQDestination::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

Reimplemented in **activemq::commands::ActiveMQQueue** (p. 481), **activemq::commands::ActiveMQTem** (p. 580), **activemq::commands::ActiveMQTempQueue** (p. 609), **activemq::commands::ActiveMQTempTo** (p. 639), and **activemq::commands::ActiveMQTopic** (p. 699).

Referenced by activemq::commands::ActiveMQTempDestination::copyDataStructure().

6.29.2.3 static Pointer<ActiveMQDestination> activemq::commands::ActiveMQDestination::createDestination (int *type*, const std::string & *name*) [static]

Creates a Destination given the String Name to use and a Type.

Parameters

type	- The Type of Destination to Create
name	- The Name to use in the creation of the Destination

Returns

Pointer to a new **ActiveMQDestination** (p. 312) instance.

6.29.2.4 static std::string activemq::commands::ActiveMQDestination::createTemporaryName (const std::string & *clientId*) [inline, static]

Create a temporary name from the clientId.

Parameters

clientId	

Returns

6.29.2.5 virtual bool activemq::commands::ActiveMQDestination::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

Reimplemented in **activemq::commands::ActiveMQQueue** (p. 481), **activemq::commands::ActiveMQTempDestination** (p. 581), **activemq::commands::ActiveMQTempQueue** (p. 609), **activemq::commands::ActiveMQTempTopic** (p. 639), and **activemq::commands::ActiveMQTopic** (p. 699).

Referenced by activemq::commands::ActiveMQTopic::equals(), and activemq::commands::ActiveMQTempDestination::equa

6.29.2.6 static std::string activemq::commands::ActiveMQDestination::getClientId (const ActiveMQDestination * *destination*) [static]

From a temporary destination find the clientId of the Connection that created it.

Parameters

destination	

Returns

the clientId or null if not a temporary destination

6.29.2.7 virtual const cms::Destination* activemq::commands::ActiveMQDestination::getCMSDestination ( ) const [inline, virtual]

Returns

the **cms::Destination** (p. 1776) interface pointer that the objects that derive from this class implement.

Reimplemented in **activemq::commands::ActiveMQQueue** (p. 482), **activemq::commands::ActiveMQTempQueue** (p. 609), **activemq::commands::ActiveMQTempTopic** (p. 639), and **activemq::commands::ActiveMQTopic** (p. 699).

6.29.2.8 virtual unsigned char activemq::commands::ActiveMQDestination::getDataStructureType ( ) const [virtual]

Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.

Returns

The type of the data structure

Implements **activemq::commands::DataStructure** (p. 1717).

Reimplemented in **activemq::commands::ActiveMQQueue** (p. 482), **activemq::commands::ActiveMQTem** (p. 581), **activemq::commands::ActiveMQTempQueue** (p. 610), **activemq::commands::ActiveMQTempTo** (p. 640), and **activemq::commands::ActiveMQTopic** (p. 700).

6.29.2.9 virtual cms::Destination::DestinationType activemq::commands::ActiveMQDestination::getDestinationType ( ) const [pure virtual]

Returns the Type of Destination that this object represents.

Returns

int type qualifier.

Implemented in **activemq::commands::ActiveMQQueue** (p. 482), **activemq::commands::ActiveMQTempQ** (p. 610), **activemq::commands::ActiveMQTempTopic** (p. 640), and **activemq::commands::ActiveMQTopic** (p. 700).

6.29.2.10 const activemq::util::ActiveMQProperties& activemq::commands::ActiveMQDestination::getOptions ( ) const [inline]

Returns

a reference (const) to the options properties for this Destination.

6.29.2.11 virtual std::string activemq::commands::ActiveMQDestination::getOrderedTarget ( ) const [inline, virtual]

Returns

Returns the orderedTarget.

6.29.2.12 virtual const std::string& activemq::commands::ActiveMQDestination::getPhysicalName ( ) const [inline, virtual]

Fetch this destination's physical name.

Returns

const string containing the name

6.29.2.13 virtual std::string& activemq::commands::ActiveMQDestination::getPhysicalName ( ) [inline, virtual]

6.29.2.14 virtual bool activemq::commands::ActiveMQDestination::isAdvisory ( ) const [inline, virtual]

Returns

Returns the advisory.

6.29.2.15 virtual bool activemq::commands::ActiveMQDestination::isComposite ( ) const [inline, virtual]

Returns true if this destination represents a collection of destinations; allowing a set of destinations to be published to or subscribed from in one CMS operation.

Returns

true if this destination represents a collection of child destinations.

6.29.2.16 virtual bool activemq::commands::ActiveMQDestination::isConnectionAdvisory ( ) const [inline, virtual]

Returns

true if this is a destination for Connection advisories

6.29.2.17 virtual bool activemq::commands::ActiveMQDestination::isConsumerAdvisory ( ) const [inline, virtual]

Returns

true if this is a destination for Consumer advisories

6.29.2.18 virtual bool activemq::commands::ActiveMQDestination::isExclusive ( ) const [inline, virtual]

Returns

Returns the exclusive.

6.29.2.19 virtual bool activemq::commands::ActiveMQDestination::isOrdered ( ) const [inline, virtual]

Returns

Returns the ordered.

6.29.2.20 virtual bool activemq::commands::ActiveMQDestination::isProducerAdvisory ( ) const [inline, virtual]

Returns

true if this is a destination for Producer advisories

6.29.2.21 virtual bool activemq::commands::ActiveMQDestination::isQueue ( ) const [inline, virtual]

Returns true if a Queue Destination.

Returns

true/false

6.29.2.22 virtual bool activemq::commands::ActiveMQDestination::isTemporary ( ) const [inline, virtual]

Returns true if a temporary Destination.

Returns

true/false

References cms::Destination::TEMPORARY_QUEUE, and cms::Destination::TEMPORARY_-TOPIC.

6.29.2.23 virtual bool activemq::commands::ActiveMQDestination::isTopic ( ) const [inline, virtual]

Returns true if a Topic Destination.

Returns

true/false

References cms::Destination::TEMPORARY_TOPIC, and cms::Destination::TOPIC.

6.29.2.24 virtual bool activemq::commands::ActiveMQDestination::isWildcard ( ) const [inline, virtual]

Returns

true if the destination matches multiple possible destinations

6.29.2.25 virtual void activemq::commands::ActiveMQDestination::setAdvisory (bool *advisory*) [inline, virtual]

Parameters

advisory	The advisory to set.

6.29.2.26 virtual void activemq::commands::ActiveMQDestination::setExclusive (bool *exclusive*) [inline, virtual]

Parameters

exclusive	The exclusive to set.

6.29.2.27 virtual void activemq::commands::ActiveMQDestination::setOrdered (bool *ordered*) [inline, virtual]

Parameters

ordered	The ordered to set.

6.29.2.28 virtual void activemq::commands::ActiveMQDestination::setOrderedTarget (const std::string & *orderedTarget*) [inline, virtual]

Parameters

orderedTarget	The orderedTarget to set.

6.29.2.29 virtual void activemq::commands::ActiveMQDestination::setPhysicalName (const std::string & *physicalName*) [virtual]

Set this destination's physical name.

Returns

const string containing the name

6.29.2.30 virtual std::string activemq::commands::ActiveMQDestination::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

Reimplemented in **activemq::commands::ActiveMQQueue** (p. 483), **activemq::commands::ActiveMQTem**
(p. 582), **activemq::commands::ActiveMQTempQueue** (p. 611), **activemq::commands::ActiveMQTempTo**
(p. 641), and **activemq::commands::ActiveMQTopic** (p. 701).

6.29.3 Field Documentation

6.29.3.1 bool activemq::commands::ActiveMQDestination::advisory [protected]

6.29.3.2 const std::string activemq::commands::ActiveMQDestination::ADVISORY_-PREFIX [static, protected]

prefix for Advisory message destinations

6.29.3.3 const std::string activemq::commands::ActiveMQDestination::COMPOSITE_-SEPARATOR [static, protected]

6.29.3.4 const std::string activemq::commands::ActiveMQDestination::CONNECTION_-ADVISORY_PREFIX [static, protected]

prefix for connection advisory destinations

6.29.3.5 const std::string activemq::commands::ActiveMQDestination::CONSUMER_-ADVISORY_PREFIX [static, protected]

prefix for consumer advisory destinations

6.29.3.6 const std::string activemq::commands::ActiveMQDestination::DEFAULT_-ORDERED_TARGET [static, protected]

The default target for ordered destinations.

6.29.3.7 bool activemq::commands::ActiveMQDestination::exclusive [protected]

6.29.3.8 const unsigned char activemq::commands::ActiveMQDestination::ID_-ACTIVEMQDESTINATION = 0 [static]

6.29.3.9 util::ActiveMQProperties activemq::commands::ActiveMQDestination::options [protected]

6.29.3.10 bool activemq::commands::ActiveMQDestination::ordered [protected]

6.29.3.11 std::string activemq::commands::ActiveMQDestination::orderedTarget [protected]

6.29.3.12 std::string activemq::commands::ActiveMQDestination::physicalName [protected]

6.29.3.13 const std::string activemq::commands::ActiveMQDestination::PRODUCER_-ADVISORY_PREFIX [static, protected]

prefix for producer advisory destinations

6.29.3.14 const std::string activemq::commands::ActiveMQDestination::QUEUE_-QUALIFIED_PREFIX [static, protected]

6.29.3.15 const std::string activemq::commands::ActiveMQDestination::TEMP_-POSTFIX [static, protected]

6.29.3.16 const std::string activemq::commands::ActiveMQDestination::TEMP_-PREFIX [static, protected]

6.29.3.17 const std::string activemq::commands::ActiveMQDestination::TEMP_-QUEUE_QUALIFED_PREFIX [static, protected]

6.29.3.18 const std::string activemq::commands::ActiveMQDestination::TEMP_-TOPIC_QUALIFED_PREFIX [static, protected]

6.29.3.19 const std::string activemq::commands::ActiveMQDestination::TOPIC_-QUALIFIED_PREFIX [static, protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQDestination.h**

6.30 activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 324).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQDestina`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller:

Public Member Functions

- **ActiveMQDestinationMarshaller** ()
- virtual ∼**ActiveMQDestinationMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.30.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 324).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.30.2 Constructor & Destructor Documentation

6.30.2.1 activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller::ActiveMQDestinationMarshaller ( ) [inline]

6.30.2.2 virtual activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller::~ActiveMQDestinationMarshaller ( ) [inline, virtual]

6.30.3 Member Function Documentation

6.30.3.1 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller** (p. 488), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 584), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 613), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 643), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller** (p. 703).

6.30.3.2 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller** (p. 489), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 584), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 613), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 643), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller** (p. 703).

6.30.3.3 virtual int activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller** (p. 489), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 585), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 614), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 644), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller** (p. 704).

6.30.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller** (p. 490), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 585), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 614), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 644), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller** (p. 704).

6.30.3.5 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller** (p. 490), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 586), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 615), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 645), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller** (p. 705).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQDestinationMarshaller.h**

6.31 activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 328).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQDestina`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller:

Public Member Functions

- **ActiveMQDestinationMarshaller** ()
- virtual ∼**ActiveMQDestinationMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.31.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 328).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.31.2 Constructor & Destructor Documentation

6.31.2.1 activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller::ActiveMQDestinationMarshaller ( ) [inline]

6.31.2.2 virtual activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller::~ActiveMQDestinationMarshaller ( ) [inline, virtual]

6.31.3 Member Function Documentation

6.31.3.1 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller** (p. 493), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 588), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 617), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 651), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller** (p. 711).

6.31.3.2 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller** (p. 493), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 588), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 617), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 652), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller** (p. 712).

6.31.3.3 virtual int activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller** (p. 494), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 589), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 618), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 652), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller** (p. 712).

6.31.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller** (p. 494), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 589), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 618), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 653), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller** (p. 713).

6.31.3.5 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller** (p. 495), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 590), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 619), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 653), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller** (p. 713).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQDestinationMarshaller.h**

6.32 activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 332).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQDestina`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller:

Public Member Functions

- **ActiveMQDestinationMarshaller** ()
- virtual ∼**ActiveMQDestinationMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.32.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 332).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.32.2 Constructor & Destructor Documentation

6.32.2.1 activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller::ActiveMQDestinationMarshaller ( ) [inline]

6.32.2.2 virtual activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller::~ActiveMQDestinationMarshaller ( ) [inline, virtual]

6.32.3 Member Function Documentation

6.32.3.1 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller** (p. 497), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 592), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 621), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 647), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller** (p. 707).

6.32.3.2 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller** (p. 497), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 592), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 622), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 647), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller** (p. 708).

6.32.3.3 virtual int activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller** (p. 498), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 593), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 622), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 648), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller** (p. 708).

6.32.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller** (p. 498), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 593), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 623), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 648), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller** (p. 709).

6.32.3.5 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller** (p. 499), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 594), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 623), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 649), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller** (p. 709).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQDestinationMarshaller.h**

6.33 activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 336).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQDestina`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller:

Public Member Functions

- **ActiveMQDestinationMarshaller** ()
- virtual ∼**ActiveMQDestinationMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.33.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 336).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.33.2 Constructor & Destructor Documentation

6.33.2.1 activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller::ActiveMQDestinationMarshaller ( ) [inline]

6.33.2.2 virtual activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller::~ActiveMQDestinationMarshaller ( ) [inline, virtual]

6.33.3 Member Function Documentation

6.33.3.1 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller** (p. 501), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 596), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 625), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 655), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller** (p. 716).

6.33.3.2 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller** (p. 502), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 596), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 626), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 656), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller** (p. 716).

6.33.3.3 virtual int activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller** (p. 502), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 597), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 626), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 656), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller** (p. 717).

6.33.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller** (p. 503), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 597), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 627), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 657), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller** (p. 717).

6.33.3.5 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller** (p. 503), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 598), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 627), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 657), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller** (p. 718).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQDestinationMarshaller.h**

6.34 activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 340).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQDestina`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller:

Public Member Functions

- **ActiveMQDestinationMarshaller** ()
- virtual ∼**ActiveMQDestinationMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.34.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 340).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.34.2 Constructor & Destructor Documentation

6.34.2.1 activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller::ActiveMQDestinationMarshaller ( ) [inline]

6.34.2.2 virtual activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller::~ActiveMQDestinationMarshaller ( ) [inline, virtual]

6.34.3 Member Function Documentation

6.34.3.1 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller** (p. 505), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 600), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 630), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 660), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller** (p. 724).

6.34.3.2 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller** (p. 506), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 600), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 630), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 660), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller** (p. 725).

6.34.3.3 virtual int activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller** (p. 506), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 601), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 631), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 661), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller** (p. 725).

6.34.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller** (p. 507), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 601), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 631), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 661), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller** (p. 726).

6.34.3.5 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller** (p. 507), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 602), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 632), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 662), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller** (p. 726).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQDestinationMarshaller.h**

6.35 activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 344).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQDestina`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller:

Public Member Functions

- **ActiveMQDestinationMarshaller** ()
- virtual ∼**ActiveMQDestinationMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.35.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 344).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.35.2 Constructor & Destructor Documentation

6.35.2.1 activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller::ActiveMQDestinationMarshaller ( ) [inline]

6.35.2.2 virtual activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller::~ActiveMQDestinationMarshaller ( ) [inline, virtual]

6.35.3 Member Function Documentation

6.35.3.1 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller** (p. 510), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 604), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 634), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 664), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller** (p. 720).

6.35.3.2 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller** (p. 510), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 604), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 634), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 664), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller** (p. 720).

6.35.3.3 virtual int activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller** (p. 511), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 605), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 635), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 665), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller** (p. 721).

6.35.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller** (p. 511), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 605), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 635), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 665), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller** (p. 721).

6.35.3.5 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller** (p. 512), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 606), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 636), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 666), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller** (p. 722).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQDestinationMarshaller.h**

6.36 activemq::exceptions::ActiveMQException Class Reference

`#include <src/main/activemq/exceptions/ActiveMQException.h>`

Inheritance diagram for activemq::exceptions::ActiveMQException:

Public Member Functions

- **ActiveMQException** () throw ()

  Default Constructor.

- **ActiveMQException** (const **ActiveMQException** &ex) throw ()

  Copy Constructor.

- **ActiveMQException** (const **decaf::lang::Exception** &ex) throw ()

  Copy Constructor.

- **ActiveMQException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual ∼**ActiveMQException** () throw ()
- virtual **ActiveMQException** ∗ **clone** () const

  Clones this exception.

- virtual **cms::CMSException convertToCMSException** () const

  Converts this exception to a new CMSException.

6.36.1 Constructor & Destructor Documentation

6.36.1.1 activemq::exceptions::ActiveMQException::ActiveMQException ( ) throw ()

Default Constructor.

6.36.1.2 activemq::exceptions::ActiveMQException::ActiveMQException (const ActiveMQException & *ex*) throw ()

Copy Constructor.

Parameters

ex	The Exception whose internal data is copied into this instance.

6.36.1.3 activemq::exceptions::ActiveMQException::ActiveMQException (const decaf::lang::Exception & *ex*) throw ()

Copy Constructor.

Parameters

ex	The Exception whose internal data is copied into this instance.

6.36.1.4 activemq::exceptions::ActiveMQException::ActiveMQException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw ()

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message.

Parameters

file	The file name where exception occurs.
lineNumber	The line number where the exception occurred.
msg	The message to report.
...	The list of primitives that are formatted into the message.

6.36.1.5 virtual activemq::exceptions::ActiveMQException::~ActiveMQException ( ) throw () [virtual]

6.36.2 Member Function Documentation

6.36.2.1 virtual ActiveMQException* activemq::exceptions::ActiveMQException::clone ( ) const [virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

Copy of this Exception object

Reimplemented from **decaf::lang::Exception** (p. 1889).

Reimplemented in **activemq::exceptions::BrokerException** (p. 874).

6.36.2.2 virtual cms::CMSException activemq::exceptions::ActiveMQException::convertToCMSException ( ) const [virtual]

Converts this exception to a new CMSException.

Returns

a CMSException with the data from this exception

The documentation for this class was generated from the following file:

- src/main/activemq/exceptions/**ActiveMQException.h**

6.37 activemq::commands::ActiveMQMapMessage Class Reference

`#include <src/main/activemq/commands/ActiveMQMapMessage.h>`

Inheritance diagram for activemq::commands::ActiveMQMapMessage:

Public Member Functions

- **ActiveMQMapMessage** ()
- virtual ∼**ActiveMQMapMessage** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual bool **isMarshalAware** () const

  Determine if this object is aware of marshaling and should have its before and after marshaling methods called.

- virtual **ActiveMQMapMessage** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual void **beforeMarshal** (**wireformat::WireFormat** ∗wireFormat) throw (decaf::io::IOException)

  Perform any processing needed before an marshal.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual void **clearBody** () throw (cms::CMSException)

  Clears out the body of the message.

- virtual **cms::MapMessage** ∗ **clone** () const

  Clone this message exactly, returns a new instance that the caller is required to delete.

- virtual std::vector< std::string > **getMapNames** () const throw (cms::CMSException)

  Returns an Enumeration of all the names in the MapMessage object.

- virtual bool **itemExists** (const std::string &name) const throw (cms::CMSException)

  Indicates whether an item exists in this MapMessage object.

- virtual bool **getBoolean** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Returns the Boolean value of the Specified name.

- virtual void **setBoolean** (const std::string &name, bool value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a boolean value with the specified name into the Map.

- virtual unsigned char **getByte** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Returns the Byte value of the Specified name.

- virtual void **setByte** (const std::string &name, unsigned char value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a Byte value with the specified name into the Map.

- virtual std::vector< unsigned char > **getBytes** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Returns the Bytes value of the Specified name.

- virtual void **setBytes** (const std::string &name, const std::vector< unsigned char > &value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a Bytes value with the specified name into the Map.

- virtual char **getChar** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Returns the Char value of the Specified name.

- virtual void **setChar** (const std::string &name, char value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a Char value with the specified name into the Map.

- virtual double **getDouble** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Returns the Double value of the Specified name.

- virtual void **setDouble** (const std::string &name, double value) throw (cms::MessageNotWriteableExcepti cms::CMSException)

  Sets a Double value with the specified name into the Map.

- virtual float **getFloat** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Returns the Float value of the Specified name.

- virtual void **setFloat** (const std::string &name, float value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a Float value with the specified name into the Map.

- virtual int **getInt** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Returns the Int value of the Specified name.

- virtual void **setInt** (const std::string &name, int value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a Int value with the specified name into the Map.

- virtual long long **getLong** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Returns the Long value of the Specified name.

- virtual void **setLong** (const std::string &name, long long value) throw (cms::MessageNotWriteableExcept cms::CMSException)

  Sets a Long value with the specified name into the Map.

- virtual short **getShort** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Returns the Short value of the Specified name.

- virtual void **setShort** (const std::string &name, short value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a Short value with the specified name into the Map.

- virtual std::string **getString** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Returns the String value of the Specified name.

- virtual void **setString** (const std::string &name, const std::string &value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a String value with the specified name into the Map.

Static Public Attributes

- static const unsigned char **ID_ACTIVEMQMAPMESSAGE** = 25

Protected Member Functions

- **util::PrimitiveMap** & **getMap** () throw (decaf::lang::exceptions::NullPointerException)

  Fetches a reference to this objects PrimitiveMap, if one needs to be created or unmarshaled, this will perform the correct steps.

- const **util::PrimitiveMap** & **getMap** () const throw (decaf::lang::exceptions::NullPointerException)
- virtual void **checkMapIsUnmarshalled** () const throw (decaf::lang::exceptions::NullPointerException)

  Performs the unmarshal on the Map if needed, otherwise just returns.

6.37.1 Constructor & Destructor Documentation

6.37.1.1 activemq::commands::ActiveMQMapMessage::ActiveMQMapMessage ( )

6.37.1.2 virtual activemq::commands::ActiveMQMapMessage::~ActiveMQMapMessage ( ) [virtual]

6.37.2 Member Function Documentation

6.37.2.1 virtual void activemq::commands::ActiveMQMapMessage::beforeMarshal (**wireformat::WireFormat** * *wireFormat*) throw (**decaf::io::IOException**) [virtual]

Perform any processing needed before an marshal.

Parameters

wireFormat	- the OpenWireFormat object in use.

Implements **activemq::wireformat::MarshalAware** (p. 2565).

6.37.2.2 virtual void activemq::commands::ActiveMQMapMessage::checkMapIsUnmarshalled ( ) const throw (**decaf::lang::exceptions::NullPointerException**) [protected, virtual]

Performs the unmarshal on the Map if needed, otherwise just returns.

6.37.2.3 virtual void activemq::commands::ActiveMQMapMessage::clearBody ( ) throw (cms::CMSException) [virtual]

Clears out the body of the message.

This does not clear the headers or properties.

Reimplemented from **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 422).

6.37.2.4 virtual cms::MapMessage* activemq::commands::ActiveMQMapMessage::clone ( ) const [inline, virtual]

Clone this message exactly, returns a new instance that the caller is required to delete.

Returns

new copy of this message

Implements **cms::Message** (p. 2620).

6.37.2.5 virtual ActiveMQMapMessage* activemq::commands::ActiveMQMapMessage::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::Message** (p. 2601).

6.37.2.6 virtual void activemq::commands::ActiveMQMapMessage::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::Message** (p. 2602).

6.37.2.7 virtual bool activemq::commands::ActiveMQMapMessage::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 423).

6.37.2.8 virtual bool activemq::commands::ActiveMQMapMessage::getBoolean (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [virtual]

Returns the Boolean value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageFormatExceptio	- if this type conversion is invalid.

Implements **cms::MapMessage** (p. 2554).

6.37.2.9 virtual unsigned char activemq::commands::ActiveMQMapMessage::getByte (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [virtual]

Returns the Byte value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageFormatException	- if this type conversion is invalid.

Implements **cms::MapMessage** (p. 2554).

6.37.2.10 virtual std::vector<unsigned char> activemq::commands::ActiveMQMapMessage::getBytes (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [virtual]

Returns the Bytes value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageFormatException	- if this type conversion is invalid.

Implements **cms::MapMessage** (p. 2555).

6.37.2.11 virtual char activemq::commands::ActiveMQMapMessage::getChar (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [virtual]

Returns the Char value of the Specified name.

Parameters

name	name of the value to fetch from the map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageFormatException	- if this type conversion is invalid.

Implements **cms::MapMessage** (p. 2555).

6.37.2.12 virtual unsigned char activemq::commands::ActiveMQMapMessage::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::Message** (p. 2604).

6.37.2.13 virtual double activemq::commands::ActiveMQMapMessage::getDouble (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [virtual]

Returns the Double value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageFormatException	- if this type conversion is invalid.

Implements **cms::MapMessage** (p. 2555).

6.37.2.14 virtual float activemq::commands::ActiveMQMapMessage::getFloat (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [virtual]

Returns the Float value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageFormatException	- if this type conversion is invalid.

Implements **cms::MapMessage** (p. 2556).

6.37.2.15 virtual int activemq::commands::ActiveMQMapMessage::getInt (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [virtual]

Returns the Int value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException	- if the operation fails due to an internal error.

MessageFormatException	- if this type conversion is invalid.

Implements **cms::MapMessage** (p. 2556).

6.37.2.16 virtual long long activemq::commands::ActiveMQMapMessage::getLong (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [virtual]

Returns the Long value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageFormatException	- if this type conversion is invalid.

Implements **cms::MapMessage** (p. 2557).

6.37.2.17 util::PrimitiveMap& activemq::commands::ActiveMQMapMessage::getMap ( ) throw (decaf::lang::exceptions::NullPointerException) [protected]

Fetches a reference to this objects PrimitiveMap, if one needs to be created or unmarshaled, this will perform the correct steps.

Returns

reference to a PrimtiveMap.

6.37.2.18 const util::PrimitiveMap& activemq::commands::ActiveMQMapMessage::getMap ( ) const throw (decaf::lang::exceptions::NullPointerException) [protected]

6.37.2.19 virtual std::vector< std::string > activemq::commands::ActiveMQMapMessage::getMapNames ( ) const throw (cms::CMSException) [virtual]

Returns an Enumeration of all the names in the MapMessage object.

Returns

STL Vector of String values, each of which is the name of an item in the MapMessage

Exceptions

CMSException	- if the operation fails due to an internal error.

Implements **cms::MapMessage** (p. 2557).

6.37.2.20 virtual short activemq::commands::ActiveMQMapMessage::getShort (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [virtual]

Returns the Short value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageFormatException	- if this type conversion is invalid.

Implements **cms::MapMessage** (p. 2557).

6.37.2.21 virtual std::string activemq::commands::ActiveMQMapMessage::getString (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [virtual]

Returns the String value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageFormatException	- if this type conversion is invalid.

Implements **cms::MapMessage** (p. 2558).

6.37.2.22 virtual bool activemq::commands::ActiveMQMapMessage::isMarshalAware ( ) const [inline, virtual]

Determine if this object is aware of marshaling and should have its before and after marshaling methods called.

Defaults to false.

Returns

true if aware of marshaling

Reimplemented from **activemq::commands::Message** (p. 2607).

6.37.2.23 virtual bool activemq::commands::ActiveMQMapMessage::itemExists (const std::string & *name*) const throw (cms::CMSException) [virtual]

Indicates whether an item exists in this MapMessage object.

Parameters

name	String name of the Object in question

Returns

boolean value indicating if the name is in the map

Exceptions

CMSException	- if the operation fails due to an internal error.

Implements **cms::MapMessage** (p. 2558).

6.37.2.24 virtual void activemq::commands::ActiveMQMapMessage::setBoolean (const std::string & *name*, bool *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Sets a boolean value with the specified name into the Map.

Parameters

name	the name of the boolean
value	the boolean value to set in the Map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageNotWriteableException	- if the **Message** (p. 2596) is in Read-only Mode.

Implements **cms::MapMessage** (p. 2559).

6.37.2.25 virtual void activemq::commands::ActiveMQMapMessage::setByte (const std::string & *name*, unsigned char *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Sets a Byte value with the specified name into the Map.

Parameters

name	the name of the Byte
value	the Byte value to set in the Map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageNotWriteableException	- if the **Message** (p. 2596) is in Read-only Mode.

Implements **cms::MapMessage** (p. 2559).

6.37.2.26 virtual void activemq::commands::ActiveMQMapMessage::setBytes (const std::string & *name*, const std::vector< unsigned char > & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Sets a Bytes value with the specified name into the Map.

Parameters

name	The name of the Bytes
value	The Bytes value to set in the Map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageNotWriteableException	- if the **Message** (p. 2596) is in Read-only Mode.

Implements **cms::MapMessage** (p. 2559).

6.37.2.27 virtual void activemq::commands::ActiveMQMapMessage::setChar (const std::string & *name*, char *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Sets a Char value with the specified name into the Map.

Parameters

name	the name of the Char
value	the Char value to set in the Map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageNotWriteableException	- if the **Message** (p. 2596) is in Read-only Mode.

Implements **cms::MapMessage** (p. 2560).

6.37.2.28 virtual void activemq::commands::ActiveMQMapMessage::setDouble (const std::string & *name*, double *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Sets a Double value with the specified name into the Map.

Parameters

name	The name of the Double
value	The Double value to set in the Map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageNotWriteableException	- if the **Message** (p. 2596) is in Read-only Mode.

Implements **cms::MapMessage** (p. 2560).

6.37.2.29 virtual void activemq::commands::ActiveMQMapMessage::setFloat (const std::string & *name*, float *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Sets a Float value with the specified name into the Map.

Parameters

name	The name of the Float
value	The Float value to set in the Map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageNotWriteableException	- if the **Message** (p. 2596) is in Read-only Mode.

Implements **cms::MapMessage** (p. 2561).

6.37.2.30 virtual void activemq::commands::ActiveMQMapMessage::setInt (const std::string & *name*, int *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Sets a Int value with the specified name into the Map.

Parameters

name	The name of the Int
value	The Int value to set in the Map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageNotWriteableException	- if the **Message** (p. 2596) is in Read-only Mode.

Implements **cms::MapMessage** (p. 2561).

6.37.2.31 virtual void activemq::commands::ActiveMQMapMessage::setLong (const std::string & *name*, long long *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Sets a Long value with the specified name into the Map.

Parameters

name	The name of the Long
value	The Long value to set in the Map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageNotWriteableException	- if the **Message** (p. 2596) is in Read-only Mode.

Implements **cms::MapMessage** (p. 2562).

6.37.2.32 virtual void activemq::commands::ActiveMQMapMessage::setShort (const std::string & *name*, short *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Sets a Short value with the specified name into the Map.

Parameters

name	The name of the Short
value	The Short value to set in the Map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageNotWriteableException	- if the **Message** (p. 2596) is in Read-only Mode.

Implements **cms::MapMessage** (p. 2562).

6.37.2.33 virtual void activemq::commands::ActiveMQMapMessage::setString (const std::string & *name*, const std::string & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Sets a String value with the specified name into the Map.

Parameters

name	The name of the String
value	The String value to set in the Map

Exceptions

CMSException	- if the operation fails due to an internal error.
MessageNotWriteableException	- if the **Message** (p. 2596) is in Read-only Mode.

Implements **cms::MapMessage** (p. 2562).

6.37.2.34 virtual std::string activemq::commands::ActiveMQMapMessage::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::Message** (p. 2611).

6.37.3 Field Documentation

6.37.3.1 const unsigned char activemq::commands::ActiveMQMapMessage::ID_ACTIVEMQMAPMESSAGE = 25 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQMapMessage.h**

6.38 activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 364).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQMapMess
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller:

Public Member Functions

- **ActiveMQMapMessageMarshaller** ()
- virtual ∼**ActiveMQMapMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.38.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 364).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.38.2 Constructor & Destructor Documentation

6.38.2.1 activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller::ActiveMQMapMessageMarshaller ( ) [inline]

6.38.2.2 virtual activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller::~ActiveMQMapMessageMars ( ) [inline, virtual]

6.38.3 Member Function Documentation

6.38.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.38.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller::getDataStructu ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.38.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.38.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.38.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2787).

6.38.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

6.38.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQMapMessageMarshaller.h**

6.39 activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 369).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQMapMessageMarsha`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller:

Public Member Functions

- **ActiveMQMapMessageMarshaller** ()
- virtual ∼**ActiveMQMapMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.39.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 369).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.39.2 Constructor & Destructor Documentation

6.39.2.1 activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller::ActiveMQMapMessageMarshaller ( ) [inline]

6.39.2.2 virtual activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller::~ActiveMQMapMessageMars ( ) [inline, virtual]

6.39.3 Member Function Documentation

6.39.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.39.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller::getDataStructu ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.39.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2799).

6.39.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.39.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.39.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2801).

6.39.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2802).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQMapMessageMarshaller.h**

6.40 activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 373).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQMapMessageMarsha`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller:

Public Member Functions

- **ActiveMQMapMessageMarshaller** ()
- virtual ∼**ActiveMQMapMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.40.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 373).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.40.2 Constructor & Destructor Documentation

6.40.2.1 activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller::ActiveMQMapMessageMarshaller ( ) [inline]

6.40.2.2 virtual activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller::∼ActiveMQMapMessageMars ( ) [inline, virtual]

6.40.3 Member Function Documentation

6.40.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.40.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller::getDataStructu ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.40.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.40.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.40.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2796).

6.40.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

6.40.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQMapMessageMarshaller.h**

6.41 activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 377).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQMapMessageMarsha
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller:

Public Member Functions

- **ActiveMQMapMessageMarshaller** ()
- virtual ~**ActiveMQMapMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.41.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 377).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.41.2 Constructor & Destructor Documentation

6.41.2.1 activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller::ActiveMQMapMessageMarshaller ( ) [inline]

6.41.2.2 virtual activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller::∼ActiveMQMapMessageMars ( ) [inline, virtual]

6.41.3 Member Function Documentation

6.41.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.41.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.41.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2781).

6.41.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2782).

6.41.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.41.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.41.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQMapMessageMarshaller.h**

6.42 activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 381).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQMapMessageMarsha
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller:

Public Member Functions

- **ActiveMQMapMessageMarshaller** ()
- virtual ∼**ActiveMQMapMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.42.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 381).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.42.2 Constructor & Destructor Documentation

6.42.2.1 activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller::ActiveMQMapMessageMarshaller ( ) [inline]

6.42.2.2 virtual activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller::~ActiveMQMapMessageMarshaller ( ) [inline, virtual]

6.42.3 Member Function Documentation

6.42.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.42.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.42.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2790).

6.42.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.42.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.42.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2792).

6.42.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2793).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQMapMessageMarshaller.h**

6.43 activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 386).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQMapMess`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller:

Public Member Functions

- **ActiveMQMapMessageMarshaller** ()
- virtual ∼**ActiveMQMapMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.43.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 386).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.43.2 Constructor & Destructor Documentation

6.43.2.1 activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller::ActiveMQMapMessageMarshaller ( ) [inline]

6.43.2.2 virtual activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller::~ActiveMQMapMessageMarshaller ( ) [inline, virtual]

6.43.3 Member Function Documentation

6.43.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.43.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.43.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.43.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.43.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2805).

6.43.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

6.43.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQMapMessageMarshaller.h**

6.44 activemq::commands::ActiveMQMessage Class Reference

`#include <src/main/activemq/commands/ActiveMQMessage.h>`

Inheritance diagram for activemq::commands::ActiveMQMessage:

Public Member Functions

- **ActiveMQMessage** ()
- virtual ∼**ActiveMQMessage** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual **ActiveMQMessage** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual **cms::Message** ∗ **clone** () const

  Clone this message exactly, returns a new instance that the caller is required to delete.

Static Public Attributes

- static const unsigned char **ID_ACTIVEMQMESSAGE** = 23

6.44.1 Constructor & Destructor Documentation

6.44.1.1 activemq::commands::ActiveMQMessage::ActiveMQMessage ( )

6.44.1.2 virtual activemq::commands::ActiveMQMessage::~ActiveMQMessage ( ) [inline, virtual]

6.44.2 Member Function Documentation

6.44.2.1 virtual cms::Message* activemq::commands::ActiveMQMessage::clone ( ) const [inline, virtual]

Clone this message exactly, returns a new instance that the caller is required to delete.

Returns

new copy of this message

Implements **cms::Message** (p. 2620).

6.44.2.2 virtual ActiveMQMessage* activemq::commands::ActiveMQMessage::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::Message** (p. 2601).

6.44.2.3 virtual void activemq::commands::ActiveMQMessage::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::Message** (p. 2602).

6.44.2.4 virtual bool activemq::commands::ActiveMQMessage::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 423).

6.44.2.5 virtual unsigned char activemq::commands::ActiveMQMessage::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::Message** (p. 2604).

6.44.2.6 virtual std::string activemq::commands::ActiveMQMessage::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::Message** (p. 2611).

6.44.3 Field Documentation

6.44.3.1 const unsigned char activemq::commands::ActiveMQMessage::ID_-ACTIVEMQMESSAGE = 23 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQMessage.h**

6.45 activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 393).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQMessageMarshalle`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller:

Public Member Functions

- **ActiveMQMessageMarshaller** ()
- virtual ∼**ActiveMQMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.45.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 393). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.45.2 Constructor & Destructor Documentation

6.45.2.1 activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller::ActiveMQMessageMarshaller ( ) [inline]

6.45.2.2 virtual activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller::~ActiveMQMessageMarshaller ( ) [inline, virtual]

6.45.3 Member Function Documentation

6.45.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.45.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.45.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.45.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.45.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2787).

6.45.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

6.45.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQMessageMarshaller.h**

6.46 activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 397).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQMessageMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller:

Public Member Functions

- **ActiveMQMessageMarshaller** ()
- virtual ∼**ActiveMQMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.46.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 397).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.46.2 Constructor & Destructor Documentation

6.46.2.1 activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller::ActiveMQMessageMarshaller ( ) [inline]

6.46.2.2 virtual activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller::∼ActiveMQMessageMarshaller ( ) [inline, virtual]

6.46.3 Member Function Documentation

6.46.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.46.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.46.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2799).

6.46.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.46.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.46.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2801).

6.46.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2802).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQMessageMarshaller.h**

6.47 activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 401).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQMessageMarshalle`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller:

Public Member Functions

- **ActiveMQMessageMarshaller** ()
- virtual ~**ActiveMQMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.47.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 401).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.47.2 Constructor & Destructor Documentation

6.47.2.1 activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller::ActiveMQMessageMarshaller ( ) [inline]

6.47.2.2 virtual activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller::∼ActiveMQMessageMarshaller ( ) [inline, virtual]

6.47.3 Member Function Documentation

6.47.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.47.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.47.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.47.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.47.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2796).

6.47.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

6.47.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQMessageMarshaller.h**

6.48 activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 405).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQMessageMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller:

Public Member Functions

- **ActiveMQMessageMarshaller** ()
- virtual ∼**ActiveMQMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.48.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 405). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.48.2 Constructor & Destructor Documentation

6.48.2.1 activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller::ActiveMQMessageMarshaller ( ) [inline]

6.48.2.2 virtual activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller::~ActiveMQMessageMarshaller ( ) [inline, virtual]

6.48.3 Member Function Documentation

6.48.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.48.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.48.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2781).

6.48.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2782).

6.48.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.48.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.48.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQMessageMarshaller.h**

6.49 activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 410).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQMessage`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller:

Public Member Functions

- **ActiveMQMessageMarshaller** ()
- virtual ∼**ActiveMQMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.49.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 410). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.49.2 Constructor & Destructor Documentation

6.49.2.1 activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller::ActiveMQMessageMarshaller ( ) [inline]

6.49.2.2 virtual activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller::~ActiveMQMessageMarshaller ( ) [inline, virtual]

6.49.3 Member Function Documentation

6.49.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.49.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.49.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2790).

6.49.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.49.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.49.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2792).

6.49.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2793).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQMessageMarshaller.h**

6.50 activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 414).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQMessage
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller:

Public Member Functions

- **ActiveMQMessageMarshaller** ()
- virtual ∼**ActiveMQMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.50.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 414).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.50.2 Constructor & Destructor Documentation

6.50.2.1 activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller::ActiveMQMessageMarshaller ( ) [inline]

6.50.2.2 virtual activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller::∼ActiveMQMessageMarshaller ( ) [inline, virtual]

6.50.3 Member Function Documentation

6.50.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.50.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.50.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.50.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.50.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2805).

6.50.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

6.50.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQMessageMarshaller.h**

6.51 activemq::commands::ActiveMQMessageTemplate< T > Class Template Reference

`#include <src/main/activemq/commands/ActiveMQMessageTemplate.h>`

Inheritance diagram for activemq::commands::ActiveMQMessageTemplate< T >:

Public Member Functions

- **ActiveMQMessageTemplate** ()
- virtual ~**ActiveMQMessageTemplate** ()
- virtual void **acknowledge** () const throw (cms::IllegalStateException, cms::CMSException)

  Acknowledges all consumed messages of the session of this consumed message.

- virtual void **onSend** ()

  *Resets the **Message** (p. 2596) to a Read-Only state.*

- virtual bool **equals** (const **DataStructure** *value) const

*Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual void **clearBody** () throw (cms::CMSException)

  Clears out the body of the message.

- virtual void **clearProperties** () throw (cms::CMSException)

  Clears the message properties.

- virtual std::vector< std::string > **getPropertyNames** () const throw (cms::CMSException)

  Retrieves the property names.

- virtual bool **propertyExists** (const std::string &name) const throw (cms::CMSException)

  Indicates whether or not a given property exists.

- virtual bool **getBooleanProperty** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Gets a boolean property.

- virtual unsigned char **getByteProperty** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Gets a byte property.

- virtual double **getDoubleProperty** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Gets a double property.

- virtual float **getFloatProperty** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Gets a float property.

- virtual int **getIntProperty** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Gets a int property.

- virtual long long **getLongProperty** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Gets a long property.

- virtual short **getShortProperty** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

  Gets a short property.

- virtual std::string **getStringProperty** (const std::string &name) const throw (cms::MessageFormatException, cms::CMSException)

Gets a string property.

- virtual void **setBooleanProperty** (const std::string &name, bool value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a boolean property.

- virtual void **setByteProperty** (const std::string &name, unsigned char value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a byte property.

- virtual void **setDoubleProperty** (const std::string &name, double value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a double property.

- virtual void **setFloatProperty** (const std::string &name, float value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a float property.

- virtual void **setIntProperty** (const std::string &name, int value) throw (cms::MessageNotWriteableExcept cms::CMSException)

  Sets a int property.

- virtual void **setLongProperty** (const std::string &name, long long value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a long property.

- virtual void **setShortProperty** (const std::string &name, short value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a short property.

- virtual void **setStringProperty** (const std::string &name, const std::string &value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a string property.

- virtual std::string **getCMSCorrelationID** () const throw (cms::CMSException)

  Get the Correlation Id for this message.

- virtual void **setCMSCorrelationID** (const std::string &**correlationId**) throw (cms::CMSException)

  Sets the Correlation Id used by this message.

- virtual int **getCMSDeliveryMode** () const throw (cms::CMSException)

  Gets the DeliveryMode for this message.

- virtual void **setCMSDeliveryMode** (int mode) throw (cms::CMSException)

  Sets the DeliveryMode for this message.

- virtual const **cms::Destination** ∗ **getCMSDestination** () const throw (cms::CMSException)

  *Gets the Destination for this **Message** (p. 2596), returns a.*

- virtual void **setCMSDestination** (const **cms::Destination** ∗**destination**) throw (cms::CMSException)

  Sets the Destination for this message.

- virtual long long **getCMSExpiration** () const throw (cms::CMSException)

  *Gets the Expiration Time for this **Message** (p. 2596).*

- virtual void **setCMSExpiration** (long long expireTime) throw (cms::CMSException)

  Sets the Expiration Time for this message.

- virtual std::string **getCMSMessageID** () const throw (cms::CMSException)

  *Gets the CMS **Message** (p. 2596) Id for this **Message** (p. 2596).*

- virtual void **setCMSMessageID** (const std::string &id AMQCPP_UNUSED) throw (cms::CMSException)

  *Sets the CMS **Message** (p. 2596) Id for this message.*

- virtual int **getCMSPriority** () const throw (cms::CMSException)

  *Gets the Priority Value for this **Message** (p. 2596).*

- virtual void **setCMSPriority** (int **priority**) throw (cms::CMSException)

  Sets the Priority Value for this message.

- virtual bool **getCMSRedelivered** () const throw (cms::CMSException)

  *Gets the Redelivered Flag for this **Message** (p. 2596).*

- virtual void **setCMSRedelivered** (bool redelivered AMQCPP_UNUSED) throw (cms::CMSException)

  Sets the Redelivered Flag for this message.

- virtual const **cms::Destination** ∗ **getCMSReplyTo** () const throw (cms::CMSException)

  *Gets the CMS Reply To Address for this **Message** (p. 2596).*

- virtual void **setCMSReplyTo** (const **cms::Destination** ∗**destination**) throw (cms::CMSException)

  Sets the CMS Reply To Address for this message.

- virtual long long **getCMSTimestamp** () const throw (cms::CMSException)

  *Gets the Time Stamp for this **Message** (p. 2596).*

- virtual void **setCMSTimestamp** (long long timeStamp) throw (cms::CMSException)

  Sets the Time Stamp for this message.

- virtual std::string **getCMSType** () const throw (cms::CMSException)

  *Gets the CMS **Message** (p. 2596) Type for this **Message** (p. 2596).*

- virtual void **setCMSType** (const std::string &**type**) throw (cms::CMSException)

  *Sets the CMS **Message** (p. 2596) Type for this message.*

Protected Member Functions

- void **failIfWriteOnlyBody** () const
- void **failIfReadOnlyBody** () const
- void **failIfReadOnlyProperties** () const

template<typename T> class activemq::commands::ActiveMQMessageTemplate< T >

6.51.1 Constructor & Destructor Documentation

6.51.1.1 template<typename T> activemq::commands::ActiveMQMessageTemplate< T >::ActiveMQMessageTemplate ( ) [inline]

6.51.1.2 template<typename T> virtual activemq::commands::ActiveMQMessageTemplate< T >::~ActiveMQMessageTemplate ( ) [inline, virtual]

6.51.2 Member Function Documentation

6.51.2.1 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::acknowledge ( ) const throw (cms::IllegalStateException, cms::CMSException) [inline, virtual]

Acknowledges all consumed messages of the session of this consumed message.

6.51.2.2 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::clearBody ( ) throw (cms::CMSException) [inline, virtual]

Clears out the body of the message.

This does not clear the headers or properties.

Reimplemented in **activemq::commands::ActiveMQBytesMessage** (p. 219), **activemq::commands::ActiveM** (p. 354), **activemq::commands::ActiveMQStreamMessage** (p. 539), and **activemq::commands::ActiveMQT** (p. 668).

6.51.2.3 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::clearProperties ( ) throw (cms::CMSException) [inline, virtual]

Clears the message properties.

Does not clear the body or header values.

6.51.2.4 template<typename T> virtual bool activemq::commands::ActiveMQMessageTemplate< T >::equals (const DataStructure * *value*) const [inline, virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::Message** (p. 2602).

Reimplemented in **activemq::commands::ActiveMQBlobMessage** (p. 187), **activemq::commands::ActiveMQBytesMess** (p. 220), **activemq::commands::ActiveMQMapMessage** (p. 355), **activemq::commands::ActiveMQMessage** (p. 392), **activemq::commands::ActiveMQObjectMessage** (p. 439), **activemq::commands::ActiveMQStreamMessage** (p. 540), and **activemq::commands::ActiveMQTextMessage** (p. 669).

6.51.2.5 template<typename T> void activemq::commands::ActiveMQMessageTemplate< T >::failIfReadOnlyBody ( ) const [inline, protected]

6.51.2.6 template<typename T> void activemq::commands::ActiveMQMessageTemplate< T >::failIfReadOnlyProperties ( ) const [inline, protected]

6.51.2.7 template<typename T> void activemq::commands::ActiveMQMessageTemplate< T >::failIfWriteOnlyBody ( ) const [inline, protected]

6.51.2.8 template<typename T> virtual bool activemq::commands::ActiveMQMessageTemplate< T >::getBooleanProperty (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [inline, virtual]

Gets a boolean property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException	if the property does not exist.
MessageFormatException	- if this type conversion is invalid.

6.51.2.9 template<typename T> virtual unsigned char activemq::commands::ActiveMQMessageTemplate< T >::getByteProperty (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [inline, virtual]

Gets a byte property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException	if the property does not exist.
MessageFormatException	- if this type conversion is invalid.

6.51.2.10 template<typename T> virtual std::string activemq::commands::ActiveMQMessageTemplate< T >::getCMSCorrelationID ( ) const throw (cms::CMSException) [inline, virtual]

Get the Correlation Id for this message.

Returns

string representation of the correlation Id

Exceptions

CMSException	

6.51.2.11 template<typename T> virtual int activemq::commands::ActiveMQMessageTemplate< T >::getCMSDeliveryMode ( ) const throw (cms::CMSException) [inline, virtual]

Gets the DeliveryMode for this message.

Returns

DeliveryMode enumerated value.

Exceptions

CMSException	

6.51.2.12 template<typename T> virtual const cms::Destination* activemq::commands::ActiveMQMessageTemplate< T >::getCMSDestination ( ) const throw (cms::CMSException) [inline, virtual]

Gets the Destination for this **Message** (p. 2596), returns a.

Returns

Destination object

Exceptions

CMSException	

6.51.2.13 template<typename T> virtual long long activemq::commands::ActiveMQMessageTemplate< T >::getCMSExpiration ( ) const throw (cms::CMSException) [inline, virtual]

Gets the Expiration Time for this **Message** (p. 2596).

Returns

time value

Exceptions

CMSException	

6.51.2.14 template<typename T> virtual std::string activemq::commands::ActiveMQMessageTemplate< T >::getCMSMessageID ( ) const throw (cms::CMSException) [inline, virtual]

Gets the CMS **Message** (p. 2596) Id for this **Message** (p. 2596).

Returns

time value

Exceptions

CMSException	

6.51.2.15 template<typename T> virtual int activemq::commands::ActiveMQMessageTemplate< T >::getCMSPriority ( ) const throw (cms::CMSException) [inline, virtual]

Gets the Priority Value for this **Message** (p. 2596).

Returns

priority value

Exceptions

CMSException	

6.51.2.16 template<typename T> virtual bool activemq::commands::ActiveMQMessageTemplate< T >::getCMSRedelivered ( ) const throw (cms::CMSException) [inline, virtual]

Gets the Redelivered Flag for this **Message** (p. 2596).

Returns

redelivered value

Exceptions

CMSException	

6.51.2.17 template<typename T> virtual const cms::Destination* activemq::commands::ActiveMQMessageTemplate< T >::getCMSReplyTo ( ) const throw (cms::CMSException) [inline, virtual]

Gets the CMS Reply To Address for this **Message** (p. 2596).

Returns

Reply To Value

Exceptions

CMSException	

6.51.2.18 template<typename T> virtual long long activemq::commands::ActiveMQMessageTemplate< T >::getCMSTimestamp ( ) const throw (cms::CMSException) [inline, virtual]

Gets the Time Stamp for this **Message** (p. 2596).

Returns

time stamp value

Exceptions

CMSException	

6.51.2.19 template<typename T> virtual std::string activemq::commands::ActiveMQMessageTemplate< T >::getCMSType ( ) const throw (cms::CMSException) [inline, virtual]

Gets the CMS **Message** (p. 2596) Type for this **Message** (p. 2596).

Returns

type value

Exceptions

CMSException	

6.51.2.20 template<typename T> virtual double activemq::commands::ActiveMQMessageTemplate< T >::getDoubleProperty (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [inline, virtual]

Gets a double property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException	if the property does not exist.
MessageFormatException	- if this type conversion is invalid.

6.51.2.21 template<typename T> virtual float activemq::commands::ActiveMQMessageTemplate< T >::getFloatProperty (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [inline, virtual]

Gets a float property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException	if the property does not exist.
MessageFormatException	- if this type conversion is invalid.

6.51.2.22 template<typename T> virtual int activemq::commands::ActiveMQMessageTemplate< T >::getIntProperty (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [inline, virtual]

Gets a int property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException	if the property does not exist.
MessageFormatException	- if this type conversion is invalid.

6.51.2.23 template<typename T> virtual long long activemq::commands::ActiveMQMessageTemplate< T >::getLongProperty (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [inline, virtual]

Gets a long property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException	if the property does not exist.
MessageFormatException	- if this type conversion is invalid.

6.51.2.24 template<typename T> virtual std::vector<std::string> activemq::commands::ActiveMQMessageTemplate< T >::getPropertyNames ( ) const throw (cms::CMSException) [inline, virtual]

Retrieves the property names.

Returns

The complete set of property names currently in this message.

6.51.2.25 template<typename T> virtual short activemq::commands::ActiveMQMessageTemplate< T >::getShortProperty (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [inline, virtual]

Gets a short property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException	if the property does not exist.
MessageFormatException	- if this type conversion is invalid.

6.51.2.26 template<typename T> virtual std::string activemq::commands::ActiveMQMessageTemplate< T >::getStringProperty (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [inline, virtual]

Gets a string property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException	if the property does not exist.
MessageFormatException	- if this type conversion is invalid.

6.51.2.27 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::onSend ( ) [inline, virtual]

Resets the **Message** (p. 2596) to a Read-Only state.

Reimplemented from **activemq::commands::Message** (p. 2608).

Reimplemented in **activemq::commands::ActiveMQBytesMessage** (p. 221), and **activemq::commands::ActiveMQStreamMessage** (p. 540).

6.51.2.28 template<typename T> virtual bool activemq::commands::ActiveMQMessageTemplate< T >::propertyExists (const std::string & *name*) const throw (cms::CMSException) [inline, virtual]

Indicates whether or not a given property exists.

Parameters

name	The name of the property to look up.

Returns

True if the property exists in this message.

6.51.2.29 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setBooleanProperty (const std::string & *name*, bool *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [inline, virtual]

Sets a boolean property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException	- if the name is an empty string.
MessageNotWriteableException	- if properties are read-only

6.51.2.30 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setByteProperty (const std::string & *name*, unsigned char *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [inline, virtual]

Sets a byte property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException	- if the name is an empty string.
MessageNotWriteableException	- if properties are read-only

6.51.2.31 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setCMSCorrelationID (const std::string & *correlationId*) throw (cms::CMSException) [inline, virtual]

Sets the Correlation Id used by this message.

Parameters

correlationId	- String representing the correlation id.

Exceptions

CMSException	

6.51.2.32 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setCMSDeliveryMode (int *mode*) throw (cms::CMSException) [inline, virtual]

Sets the DeliveryMode for this message.

Parameters

mode	- DeliveryMode enumerated value.

Exceptions

CMSException	

6.51.2.33 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setCMSDestination (const cms::Destination * *destination*) throw (cms::CMSException) [inline, virtual]

Sets the Destination for this message.

Parameters

destination	- Destination Object

Exceptions

CMSException	

6.51.2.34 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setCMSExpiration (long long *expireTime*) throw (cms::CMSException) [inline, virtual]

Sets the Expiration Time for this message.

Parameters

expireTime	- time value

Exceptions

CMSException	

6.51.2.35 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setCMSMessageID (const std::string &id *AMQCPP_UNUSED*) throw (cms::CMSException) [inline, virtual]

Sets the CMS **Message** (p. 2596) Id for this message.

Parameters

id	- time value

Exceptions

CMSException	

6.51.2.36 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setCMSPriority (int *priority*) throw (cms::CMSException) [inline, virtual]

Sets the Priority Value for this message.

Parameters

priority	- priority value for this message

Exceptions

CMSException	

6.51.2.37 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setCMSRedelivered (bool redelivered *AMQCPP_UNUSED*) throw (cms::CMSException) [inline, virtual]

Sets the Redelivered Flag for this message.

Parameters

redelivered	- boolean redelivered value

Exceptions

CMSException	

6.51.2.38 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setCMSReplyTo (const cms::Destination * *destination*) throw (cms::CMSException) [inline, virtual]

Sets the CMS Reply To Address for this message.

Parameters

destination	Pointer to the CMS Destination that is the Reply-To value.

Exceptions

CMSException	

6.51.2.39 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setCMSTimestamp (long long *timeStamp*) throw (cms::CMSException) [inline, virtual]

Sets the Time Stamp for this message.

Parameters

timeStamp	- integer time stamp value

Exceptions

CMSException	

6.51.2.40 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setCMSType (const std::string & *type*) throw (cms::CMSException) [inline, virtual]

Sets the CMS **Message** (p. 2596) Type for this message.

Parameters

type	- message type value string

Exceptions

CMSException	

6.51.2.41 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setDoubleProperty (const std::string & *name*, double *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [inline, virtual]

Sets a double property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException	- if the name is an empty string.
MessageNotWriteableException	- if properties are read-only

6.51.2.42 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setFloatProperty (const std::string & *name*, float *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [inline, virtual]

Sets a float property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException	- if the name is an empty string.
MessageNotWriteableException	- if properties are read-only

6.51.2.43 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setIntProperty (const std::string & *name*, int *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [inline, virtual]

Sets a int property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException	- if the name is an empty string.
MessageNotWriteableException	- if properties are read-only

6.51.2.44 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setLongProperty (const std::string & *name*, long long *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [inline, virtual]

Sets a long property.

Parameters

name	The name of the property to retrieve.

value	The value for the named property.

Exceptions

CMSException	- if the name is an empty string.
MessageNotWriteableException	- if properties are read-only

6.51.2.45 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setShortProperty (const std::string & *name*, short *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [inline, virtual]

Sets a short property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException	- if the name is an empty string.
MessageNotWriteableException	- if properties are read-only

6.51.2.46 template<typename T> virtual void activemq::commands::ActiveMQMessageTemplate< T >::setStringProperty (const std::string & *name*, const std::string & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [inline, virtual]

Sets a string property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException	- if the name is an empty string.
MessageNotWriteableException	- if properties are read-only

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQMessageTemplate.h**

6.52 activemq::commands::ActiveMQObjectMessage Class Reference

`#include <src/main/activemq/commands/ActiveMQObjectMessage.h>`

Inheritance diagram for activemq::commands::ActiveMQObjectMessage:

Public Member Functions

- **ActiveMQObjectMessage** ()
- virtual ∼**ActiveMQObjectMessage** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ActiveMQObjectMessage** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual **cms::Message** ∗ **clone** () const

  Clone this message exactly, returns a new instance that the caller is required to delete.

Static Public Attributes

- static const unsigned char **ID_ACTIVEMQOBJECTMESSAGE** = 26

6.52.1 Constructor & Destructor Documentation

6.52.1.1 activemq::commands::ActiveMQObjectMessage::ActiveMQObjectMessage ( )

6.52.1.2 virtual activemq::commands::ActiveMQObjectMessage::~ActiveMQObjectMessage ( ) [inline, virtual]

6.52.2 Member Function Documentation

6.52.2.1 virtual cms::Message* activemq::commands::ActiveMQObjectMessage::clone ( ) const [inline, virtual]

Clone this message exactly, returns a new instance that the caller is required to delete.

Returns

new copy of this message

Implements **cms::Message** (p. 2620).

6.52.2.2 virtual ActiveMQObjectMessage* activemq::commands::ActiveMQObjectMessage::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::Message** (p. 2601).

6.52.2.3 virtual void activemq::commands::ActiveMQObjectMessage::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::Message** (p. 2602).

6.52.2.4 virtual bool activemq::commands::ActiveMQObjectMessage::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 423).

6.52.2.5 virtual unsigned char activemq::commands::ActiveMQObjectMessage::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::Message** (p. 2604).

6.52.2.6 virtual std::string activemq::commands::ActiveMQObjectMessage::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::Message** (p. 2611).

6.52.3 Field Documentation

6.52.3.1 const unsigned char activemq::commands::ActiveMQObjectMessage::ID_-ACTIVEMQOBJECTMESSAGE = 26 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQObjectMessage.h**

6.53 activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 440).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQObjectMessageMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller:

Public Member Functions

- **ActiveMQObjectMessageMarshaller** ()
- virtual ∼**ActiveMQObjectMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.53.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 440). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.53.2 Constructor & Destructor Documentation

6.53.2.1 activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller::ActiveMQObjectMessageMarshall ( ) [inline]

6.53.2.2 virtual activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller::~ActiveMQObjectMessage ( ) [inline, virtual]

6.53.3 Member Function Documentation

6.53.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.53.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller::getDataStru ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.53.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.53.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.53.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2787).

6.53.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

6.53.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQObjectMessageMarshaller.h**

6.54 activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 445).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQObjectMessageMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller:

Public Member Functions

- **ActiveMQObjectMessageMarshaller** ()
- virtual ∼**ActiveMQObjectMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.54.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 445). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.54.2 Constructor & Destructor Documentation

6.54.2.1 activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller::ActiveMQObjectMessageMarshall ( ) [inline]

6.54.2.2 virtual activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller::~ActiveMQObjectMessage ( ) [inline, virtual]

6.54.3 Member Function Documentation

6.54.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.54.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller::getDataStru ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.54.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2799).

6.54.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.54.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.54.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2801).

6.54.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2802).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQObjectMessageMarshaller.h**

6.55 activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 449).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQObjectMessageMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller:

Public Member Functions

- **ActiveMQObjectMessageMarshaller** ()
- virtual ∼**ActiveMQObjectMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.55.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 449). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.55.2 Constructor & Destructor Documentation

6.55.2.1 activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller::ActiveMQObjectMessageMarshall ( ) [inline]

6.55.2.2 virtual activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller::∼ActiveMQObjectMessage ( ) [inline, virtual]

6.55.3 Member Function Documentation

6.55.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.55.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller::getDataStru ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.55.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.55.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.55.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2796).

6.55.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

6.55.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQObjectMessageMarshaller.h**

6.56 activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 453).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQObjectMessageMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller:

Public Member Functions

- **ActiveMQObjectMessageMarshaller** ()
- virtual ~**ActiveMQObjectMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.56.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 453). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.56.2 Constructor & Destructor Documentation

6.56.2.1 activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller::ActiveMQObjectMessageMarshall ( ) [inline]

6.56.2.2 virtual activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller::∼ActiveMQObjectMessage ( ) [inline, virtual]

6.56.3 Member Function Documentation

6.56.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.56.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.56.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2781).

6.56.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2782).

6.56.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.56.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.56.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQObjectMessageMarshaller.h**

6.57 activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 457).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQObjectMessageMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller:

Public Member Functions

- **ActiveMQObjectMessageMarshaller** ()
- virtual ~**ActiveMQObjectMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.57.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 457). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.57.2 Constructor & Destructor Documentation

6.57.2.1 activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller::ActiveMQObjectMessageMarshaller ( ) [inline]

6.57.2.2 virtual activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller::~ActiveMQObjectMessageMarshaller ( ) [inline, virtual]

6.57.3 Member Function Documentation

6.57.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.57.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.57.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2790).

6.57.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.57.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.57.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2792).

6.57.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2793).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQObjectMessageMarshaller.h**

6.58 activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 462).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQObjectM`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller:

Public Member Functions

- **ActiveMQObjectMessageMarshaller** ()
- virtual ∼**ActiveMQObjectMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.58.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 462). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.58.2 Constructor & Destructor Documentation

6.58.2.1 activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller::ActiveMQObjectMessageMarshaller ( ) [inline]

6.58.2.2 virtual activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller::~ActiveMQObjectMessageMarshaller ( ) [inline, virtual]

6.58.3 Member Function Documentation

6.58.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.58.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.58.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.58.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.58.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2805).

6.58.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

6.58.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQObjectMessageMarshaller.h**

6.59 activemq::core::ActiveMQProducer Class Reference

`#include <src/main/activemq/core/ActiveMQProducer.h>`

Inheritance diagram for activemq::core::ActiveMQProducer:

Public Member Functions

- **ActiveMQProducer** (**ActiveMQSession** ∗session, const **Pointer**< **commands::ProducerId** > &producerId, const **Pointer**< **commands::ActiveMQDestination** > &destination, long long sendTimeout)

  *Constructor, creates an instance of an **ActiveMQProducer** (p. 466).*

- virtual ∼**ActiveMQProducer** ()
- virtual void **close** () throw (cms::CMSException)

  Closes the Consumer.

- virtual void **send** (**cms::Message** ∗message) throw (cms::CMSException, cms::MessageFormatException cms::InvalidDestinationException, cms::UnsupportedOperationException)

  Sends the message to the default producer destination, but does not take ownership of the message, caller must still destroy it.

- virtual void **send** (**cms::Message** ∗message, int deliveryMode, int priority, long long timeToLive) throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException)

  Sends the message to the default producer destination, but does not take ownership of the message, caller must still destroy it.

- virtual void **send** (const **cms::Destination** ∗destination, **cms::Message** ∗message) throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException)

  Sends the message to the designated destination, but does not take ownership of the message, caller must still destroy it.

- virtual void **send** (const **cms::Destination** ∗destination, **cms::Message** ∗message, int deliveryMode, int priority, long long timeToLive) throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException)

  Sends the message to the designated destination, but does not take ownership of the message, caller must still destroy it.

- virtual void **setDeliveryMode** (int mode) throw (cms::CMSException)

  Sets the delivery mode for this Producer.

- virtual int **getDeliveryMode** () const throw (cms::CMSException)

  Gets the delivery mode for this Producer.

- virtual void **setDisableMessageID** (bool value) throw (cms::CMSException)

  Sets if Message Ids are disabled for this Producer.

- virtual bool **getDisableMessageID** () const throw (cms::CMSException)

  Gets if Message Ids are disabled for this Producer.

- virtual void **setDisableMessageTimeStamp** (bool value) throw (cms::CMSException)

  Sets if Message Time Stamps are disabled for this Producer.

- virtual bool **getDisableMessageTimeStamp** () const throw (cms::CMSException)

  Gets if Message Time Stamps are disabled for this Producer.

- virtual void **setPriority** (int priority) throw (cms::CMSException)

  Sets the Priority that this Producers sends messages at.

- virtual int **getPriority** () const throw (cms::CMSException)

  Gets the Priority level that this producer sends messages at.

- virtual void **setTimeToLive** (long long time) throw (cms::CMSException)

  Sets the Time to Live that this Producers sends messages with.

- virtual long long **getTimeToLive** () const throw (cms::CMSException)

  Gets the Time to Live that this producer sends messages with.

- virtual void **setSendTimeout** (long long time) throw (cms::CMSException)

  Sets the Send Timeout that this Producers sends messages with.

- virtual long long **getSendTimeout** () const throw (cms::CMSException)

  Gets the Send Timeout that this producer sends messages with.

- bool **isClosed** () const
- const **Pointer**< **commands::ProducerInfo** > & **getProducerInfo** () const

Retries this object ProducerInfo pointer.

- const **Pointer**< **commands::ProducerId** > & **getProducerId** () const

  Retries this object ProducerId or NULL if closed.

- virtual void **onProducerAck** (const **commands::ProducerAck** &ack)

  Handles the work of Processing a ProducerAck Command from the Broker.

6.59.1 Constructor & Destructor Documentation

6.59.1.1 activemq::core::ActiveMQProducer::ActiveMQProducer (ActiveMQSession * *session,* const Pointer< commands::ProducerId > & *producerId,* const Pointer< commands::ActiveMQDestination > & *destination,* long long *sendTimeout*)

Constructor, creates an instance of an **ActiveMQProducer** (p. 466).

Parameters

session	The Session which is the parent of this Producer.
producerId	Pointer to a ProducerId object which identifies this producer.
destination	The assigned Destination this Producer sends to, or null if not set. The Producer does not own the Pointer passed.
sendTimeout	The configured send timeout for this Producer.

6.59.1.2 virtual activemq::core::ActiveMQProducer::~ActiveMQProducer ( ) [virtual]

6.59.2 Member Function Documentation

6.59.2.1 virtual void activemq::core::ActiveMQProducer::close ( ) throw (cms::CMSException) [virtual]

Closes the Consumer.

This will return all allocated resources and purge any outstanding messages. This method will block if there is a call to receive in progress, or a dispatch to a MessageListener in place

Exceptions

CMSException	

Implements **cms::Closeable** (p. 1180).

6.59.2.2 virtual int activemq::core::ActiveMQProducer::getDeliveryMode ( ) const throw (cms::CMSException) [inline, virtual]

Gets the delivery mode for this Producer.

Returns

The DeliveryMode

Implements **cms::MessageProducer** (p. 2811).

6.59.2.3 virtual bool activemq::core::ActiveMQProducer::getDisableMessageID ( ) const throw (cms::CMSException) [inline, virtual]

Gets if Message Ids are disabled for this Producer.

Returns

a boolean indicating state enable / disable (true / false) for MessageIds.

Implements **cms::MessageProducer** (p. 2812).

6.59.2.4 virtual bool activemq::core::ActiveMQProducer::getDisableMessageTimeStamp ( ) const throw (cms::CMSException) [inline, virtual]

Gets if Message Time Stamps are disabled for this Producer.

Returns

boolean indicating state of enable / disable (true / false)

Implements **cms::MessageProducer** (p. 2812).

6.59.2.5 virtual int activemq::core::ActiveMQProducer::getPriority ( ) const throw (cms::CMSException) [inline, virtual]

Gets the Priority level that this producer sends messages at.

Returns

int based priority level

Implements **cms::MessageProducer** (p. 2812).

6.59.2.6 const Pointer<commands::ProducerId>& activemq::core::ActiveMQProducer::getProducerId ( ) const [inline]

Retries this object ProducerId or NULL if closed.

Returns

ProducerId Reference

6.59.2.7 const Pointer<commands::ProducerInfo>& activemq::core::ActiveMQProducer::getProducerInfo ( ) const [inline]

Retries this object ProducerInfo pointer.

Returns

ProducerInfo Reference

6.59.2.8 virtual long long activemq::core::ActiveMQProducer::getSendTimeout ( ) const throw (cms::CMSException) [inline, virtual]

Gets the Send Timeout that this producer sends messages with.

Returns

The default send timeout value in milliseconds.

6.59.2.9 virtual long long activemq::core::ActiveMQProducer::getTimeToLive ( ) const throw (cms::CMSException) [inline, virtual]

Gets the Time to Live that this producer sends messages with.

Returns

The default time to live value in milliseconds.

Implements **cms::MessageProducer** (p. 2813).

6.59.2.10 bool activemq::core::ActiveMQProducer::isClosed ( ) const [inline]

Returns

true if this Producer has been closed.

6.59.2.11 virtual void activemq::core::ActiveMQProducer::onProducerAck (const commands::ProducerAck & *ack*) [virtual]

Handles the work of Processing a ProducerAck Command from the Broker.

Parameters

ack	- The ProducerAck message received from the Broker.

6.59.2.12 virtual void activemq::core::ActiveMQProducer::send (const cms::Destination * *destination,* cms::Message * *message,* int *deliveryMode,* int *priority,* long long *timeToLive*) throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException) [virtual]

Sends the message to the designated destination, but does not take ownership of the message, caller must still destroy it.

Parameters

destination	The destination on which to send the message
message	The message to be sent.
delivery-Mode	The delivery mode to be used.
priority	The priority for this message.
timeToLive	The time to live value for this message in milliseconds.

Exceptions

CMSException	- if an internal error occurs while sending the message.
MessageFormatEx-ception	- if an Invalid Message is given.
InvalidDestina-tionException	- if a client uses this method with a MessageProducer with an invalid destination.
UnsupportedOpera-tionException	- if a client uses this method with a MessageProducer that did not specify a destination at creation time.

Implements **cms::MessageProducer** (p. 2814).

6.59.2.13 virtual void activemq::core::ActiveMQProducer::send (cms::Message * *message*) throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException) [virtual]

Sends the message to the default producer destination, but does not take ownership of the message, caller must still destroy it.

Uses default values for deliveryMode, priority, and time to live.

Parameters

message	The message to be sent.

Exceptions

CMSException	- if an internal error occurs while sending the message.
MessageFormatException	- if an Invalid Message is given.
InvalidDestinationException	- if a client uses this method with a MessageProducer with an invalid destination.
UnsupportedOperationException	- if a client uses this method with a MessageProducer that did not specify a destination at creation time.

Implements **cms::MessageProducer** (p. 2814).

6.59.2.14 virtual void activemq::core::ActiveMQProducer::send (cms::Message * *message*, int *deliveryMode*, int *priority*, long long *timeToLive*) throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException) [virtual]

Sends the message to the default producer destination, but does not take ownership of the message, caller must still destroy it.

Parameters

message	The message to be sent.
deliveryMode	The delivery mode to be used.
priority	The priority for this message.
timeToLive	The time to live value for this message in milliseconds.

Exceptions

CMSException	- if an internal error occurs while sending the message.
MessageFormatException	- if an Invalid Message is given.
InvalidDestinationException	- if a client uses this method with a MessageProducer with an invalid destination.
UnsupportedOperationException	- if a client uses this method with a MessageProducer that did not specify a destination at creation time.

Implements **cms::MessageProducer** (p. 2813).

6.59.2.15 virtual void activemq::core::ActiveMQProducer::send (const cms::Destination * *destination*, cms::Message * *message*) throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException) [virtual]

Sends the message to the designated destination, but does not take ownership of the message, caller must still destroy it.

Uses default values for deliveryMode, priority, and time to live.

Parameters

destination	The destination on which to send the message
message	the message to be sent.

Exceptions

CMSException	- if an internal error occurs while sending the message.
MessageFormatException	- if an Invalid Message is given.
InvalidDestinationException	- if a client uses this method with a MessageProducer with an invalid destination.
UnsupportedOperationException	- if a client uses this method with a MessageProducer that did not specify a destination at creation time.

Implements **cms::MessageProducer** (p. 2815).

6.59.2.16 virtual void activemq::core::ActiveMQProducer::setDeliveryMode (int *mode*) throw (cms::CMSException) [inline, virtual]

Sets the delivery mode for this Producer.

Parameters

mode	- The DeliveryMode to use for Message sends.

Implements **cms::MessageProducer** (p. 2816).

6.59.2.17 virtual void activemq::core::ActiveMQProducer::setDisableMessageID (bool *value*) throw (cms::CMSException) [inline, virtual]

Sets if Message Ids are disabled for this Producer.

Parameters

value	- boolean indicating enable / disable (true / false)

Implements **cms::MessageProducer** (p. 2816).

6.59.2.18 virtual void activemq::core::ActiveMQProducer::setDisableMessageTimeStamp (bool *value*) throw (cms::CMSException) [inline, virtual]

Sets if Message Time Stamps are disabled for this Producer.

Parameters

value	- boolean indicating enable / disable (true / false)

Implements **cms::MessageProducer** (p. 2816).

6.59.2.19 virtual void activemq::core::ActiveMQProducer::setPriority (int *priority*) throw (cms::CMSException) [inline, virtual]

Sets the Priority that this Producers sends messages at.

Parameters

priority	int value for Priority level

Implements **cms::MessageProducer** (p. 2817).

6.59.2.20 virtual void activemq::core::ActiveMQProducer::setSendTimeout (long long *time*) throw (cms::CMSException) [inline, virtual]

Sets the Send Timeout that this Producers sends messages with.

Parameters

time	The new default send timeout value in milliseconds.

6.59.2.21 virtual void activemq::core::ActiveMQProducer::setTimeToLive (long long *time*) throw (cms::CMSException) [inline, virtual]

Sets the Time to Live that this Producers sends messages with.

Parameters

time	The new default time to live value in milliseconds.

Implements **cms::MessageProducer** (p. 2817).

The documentation for this class was generated from the following file:

- src/main/activemq/core/**ActiveMQProducer.h**

6.60 activemq::util::ActiveMQProperties Class Reference

Implementation of the CMSProperties interface that delegates to a **decaf::util::Properties** (p. 3216) object.

`#include <src/main/activemq/util/ActiveMQProperties.h>`

Inheritance diagram for activemq::util::ActiveMQProperties:

Public Member Functions

- **ActiveMQProperties** ()
- virtual ~**ActiveMQProperties** ()
- virtual **decaf::util::Properties** & **getProperties** ()
- virtual const **decaf::util::Properties** & **getProperties** () const
- virtual void **setProperties** (**decaf::util::Properties** &props)
- virtual bool **isEmpty** () const

  Returns true if the properties object is empty.

- virtual const char * **getProperty** (const std::string &name) const

  Looks up the value for the given property.

- virtual std::string **getProperty** (const std::string &name, const std::string &defaultValue) const

  Looks up the value for the given property.

- virtual void **setProperty** (const std::string &name, const std::string &value)

  Sets the value for a given property.

- virtual bool **hasProperty** (const std::string &name) const

  Check to see if the Property exists in the set.

- virtual void **remove** (const std::string &name)

  Removes the property with the given name.

- virtual std::vector< std::pair< std::string, std::string > > **toArray** () const

  Method that serializes the contents of the property map to an arryay.

- virtual void **copy** (const CMSProperties *source)

  Copies the contents of the given properties object to this one.

- virtual CMSProperties * **clone** () const

  Clones this object.

- virtual void **clear** ()

  Clears all properties from the map.

- virtual std::string **toString** () const

  Formats the contents of the Properties Object into a string that can be logged, etc.

6.60.1 Detailed Description

Implementation of the CMSProperties interface that delegates to a **decaf::util::Properties** (p. 3216) object.

Since

2.0

6.60.2 Constructor & Destructor Documentation

6.60.2.1 activemq::util::ActiveMQProperties::ActiveMQProperties ( )

6.60.2.2 virtual activemq::util::ActiveMQProperties::∼ActiveMQProperties ( ) [virtual]

6.60.3 Member Function Documentation

6.60.3.1 virtual void activemq::util::ActiveMQProperties::clear ( ) [inline, virtual]

Clears all properties from the map.

Implements **cms::CMSProperties** (p. 1197).

6.60.3.2 virtual CMSProperties∗ activemq::util::ActiveMQProperties::clone ( ) const [virtual]

Clones this object.

Returns

a replica of this object.

Implements **cms::CMSProperties** (p. 1197).

6.60.3.3 virtual void activemq::util::ActiveMQProperties::copy (const CMSProperties ∗ *source*) [virtual]

Copies the contents of the given properties object to this one.

Parameters

source	The source properties object.

6.60.3.4 virtual decaf::util::Properties& activemq::util::ActiveMQProperties::getProperties ( ) [inline, virtual]

6.60.3.5 virtual const decaf::util::Properties& activemq::util::ActiveMQProperties::getProperties ( ) const [inline, virtual]

6.60.3.6 virtual const char* activemq::util::ActiveMQProperties::getProperty (const std::string & *name*) const [inline, virtual]

Looks up the value for the given property.

Parameters

name	The name of the property to be looked up.

Returns

the value of the property with the given name, if it exists. If it does not exist, returns NULL.

Implements **cms::CMSProperties** (p. 1197).

6.60.3.7 virtual std::string activemq::util::ActiveMQProperties::getProperty (const std::string & *name*, const std::string & *defaultValue*) const [inline, virtual]

Looks up the value for the given property.

Parameters

name	the name of the property to be looked up.
defaultValue	The value to be returned if the given property does not exist.

Returns

The value of the property specified by `name`, if it exists, otherwise the `defaultValue`.

Implements **cms::CMSProperties** (p. 1198).

6.60.3.8 virtual bool activemq::util::ActiveMQProperties::hasProperty (const std::string & *name*) const [inline, virtual]

Check to see if the Property exists in the set.

Parameters

name	- property name to check for in this properties set.

Returns

true if property exists, false otherwise.

Implements **cms::CMSProperties** (p. 1198).

6.60.3.9 virtual bool activemq::util::ActiveMQProperties::isEmpty ( ) const [inline, virtual]

Returns true if the properties object is empty.

Returns

true if empty

Implements **cms::CMSProperties** (p. 1198).

6.60.3.10 virtual void activemq::util::ActiveMQProperties::remove (const std::string & *name*) [inline, virtual]

Removes the property with the given name.

Parameters

name	the name of the property to remove.

Implements **cms::CMSProperties** (p. 1198).

6.60.3.11 virtual void activemq::util::ActiveMQProperties::setProperties (decaf::util::Properties & *props*) [inline, virtual]

6.60.3.12 virtual void activemq::util::ActiveMQProperties::setProperty (const std::string & *name*, const std::string & *value*) [inline, virtual]

Sets the value for a given property.

If the property already exists, overwrites the value.

Parameters

name	The name of the value to be written.
value	The value to be written.

Implements **cms::CMSProperties** (p. 1199).

6.60.3.13 virtual std::vector< std::pair< std::string, std::string > > activemq::util::ActiveMQProperties::toArray ( ) const [inline, virtual]

Method that serializes the contents of the property map to an arryay.

Returns

list of pairs where the first is the name and the second is the value.

Implements **cms::CMSProperties** (p. 1199).

6.60.3.14 virtual std::string activemq::util::ActiveMQProperties::toString ( ) const [inline, virtual]

Formats the contents of the Properties Object into a string that can be logged, etc.

Returns

string value of this object.

Implements **cms::CMSProperties** (p. 1199).

The documentation for this class was generated from the following file:

- src/main/activemq/util/**ActiveMQProperties.h**

6.61 activemq::commands::ActiveMQQueue Class Reference

`#include <src/main/activemq/commands/ActiveMQQueue.h>`

Inheritance diagram for activemq::commands::ActiveMQQueue:

Public Member Functions

- **ActiveMQQueue** ()
- **ActiveMQQueue** (const std::string &name)
- virtual ~**ActiveMQQueue** ()
- virtual unsigned char **getDataStructureType** () const

  *Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.*

- virtual **ActiveMQQueue** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **cms::Destination** ∗ **getCMSDestination** () const
- virtual **cms::Destination::DestinationType getDestinationType** () const

  Retrieve the Destination Type for this Destination.

- virtual **cms::Destination** ∗ **clone** () const

  Creates a new instance of this destination type that is a copy of this one, and returns it.

- virtual void **copy** (const **cms::Destination** &source)

  Copies the contents of the given Destinastion object to this one.

- virtual const **cms::CMSProperties** & **getCMSProperties** () const

  Retrieve any properties that might be part of the destination that was specified.

- virtual std::string **getQueueName** () const throw (cms::CMSException)

  Gets the name of this queue.

Static Public Attributes

- static const unsigned char **ID_ACTIVEMQQUEUE** = 100

6.61.1 Constructor & Destructor Documentation

6.61.1.1 activemq::commands::ActiveMQQueue::ActiveMQQueue ( )

6.61.1.2 activemq::commands::ActiveMQQueue::ActiveMQQueue (const std::string & *name*)

6.61.1.3 virtual activemq::commands::ActiveMQQueue::∼ActiveMQQueue ( ) [inline, virtual]

6.61.2 Member Function Documentation

6.61.2.1 virtual cms::Destination∗ activemq::commands::ActiveMQQueue::clone ( ) const [inline, virtual]

Creates a new instance of this destination type that is a copy of this one, and returns it.

Returns

cloned copy of this object

Implements **cms::Destination** (p. 1778).

6.61.2.2 virtual ActiveMQQueue* activemq::commands::ActiveMQQueue::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 315).

6.61.2.3 virtual void activemq::commands::ActiveMQQueue::copy (const cms::Destination & *source*) [inline, virtual]

Copies the contents of the given Destinastion object to this one.

Parameters

source	The source Destination object.

Implements **cms::Destination** (p. 1778).

6.61.2.4 virtual void activemq::commands::ActiveMQQueue::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 316).

6.61.2.5 virtual bool activemq::commands::ActiveMQQueue::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 317).

6.61.2.6 virtual const cms::Destination* activemq::commands::ActiveMQQueue::getCMSDestination ( ) const [inline, virtual]

Returns

the **cms::Destination** (p. 1776) interface pointer that the objects that derive from this class implement.

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 317).

6.61.2.7 virtual const cms::CMSProperties& activemq::commands::ActiveMQQueue::getCMSProperties ( ) const [inline, virtual]

Retrieve any properties that might be part of the destination that was specified.

This is a deviation from the JMS spec but necessary due to C++ restrictions.

Returns

const reference to a properties object.

Implements **cms::Destination** (p. 1778).

6.61.2.8 virtual unsigned char activemq::commands::ActiveMQQueue::getDataStructureType ( ) const [virtual]

Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.

Returns

The type of the data structure

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 317).

6.61.2.9 virtual cms::Destination::DestinationType activemq::commands::ActiveMQQueue::getDestinationType ( ) const [inline, virtual]

Retrieve the Destination Type for this Destination.

Returns

The Destination Type

Implements **activemq::commands::ActiveMQDestination** (p. 318).

References cms::Destination::QUEUE.

6.61.2.10 virtual std::string activemq::commands::ActiveMQQueue::getQueueName ( ) const throw (cms::CMSException) [inline, virtual]

Gets the name of this queue.

Returns

The queue name.

Implements **cms::Queue** (p. 3239).

6.61.2.11 virtual std::string activemq::commands::ActiveMQQueue::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 321).

6.61.3 Field Documentation

6.61.3.1 const unsigned char activemq::commands::ActiveMQQueue::ID_-ACTIVEMQQUEUE = 100 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQQueue.h**

6.62 activemq::core::ActiveMQQueueBrowser Class Reference

```
#include <src/main/activemq/core/ActiveMQQueueBrowser.h>
```

Inheritance diagram for activemq::core::ActiveMQQueueBrowser:

Public Member Functions

- **ActiveMQQueueBrowser** (**ActiveMQSession** ∗session, const **Pointer**< **commands::ConsumerId** > &consumerId, const **Pointer**< **commands::ActiveMQDestination** > &destination, const std::string &selector, bool dispatchAsync)
- virtual ∼**ActiveMQQueueBrowser** ()
- virtual const **cms::Queue** ∗ **getQueue** () const throw (cms::CMSException)
- virtual std::string **getMessageSelector** () const throw (cms::CMSException)
- virtual **cms::MessageEnumeration** ∗ **getEnumeration** () throw (cms::CMSException)

  Gets a pointer to an Enumeration object for browsing the Messages currently in the Queue in the order that a client would receive them.

- virtual void **close** () throw (cms::CMSException)

  Closes this object and deallocates the appropriate resources.

- virtual bool **hasMoreMessages** ()

  Returns true if there are more Message in the Browser that can be retrieved via the `nextMessage` *method.*

- virtual **cms::Message** ∗ **nextMessage** () throw (cms::CMSException)

  Returns the Next Message in the Queue if one is present, if no more Message's are available then an Exception is thrown.

Friends

- class **Browser**

6.62.1 Constructor & Destructor Documentation

6.62.1.1 activemq::core::ActiveMQQueueBrowser::ActiveMQQueueBrowser (ActiveMQSession ∗ *session,* const Pointer< commands::ConsumerId > & *consumerId,* const Pointer< commands::ActiveMQDestination > & *destination,* const std::string & *selector,* bool *dispatchAsync*)

6.62.1.2 virtual activemq::core::ActiveMQQueueBrowser::∼ActiveMQQueueBrowser ( ) `[virtual]`

6.62.2 Member Function Documentation

6.62.2.1 virtual void activemq::core::ActiveMQQueueBrowser::close ( ) throw (cms::CMSException) `[virtual]`

Closes this object and deallocates the appropriate resources.

The object is generally no longer usable after calling close.

Exceptions

CMSException	- If an error occurs while the resource is being closed.

Implements **cms::Closeable** (p. 1180).

6.62.2.2 virtual cms::MessageEnumeration* activemq::core::ActiveMQQueueBrowser::getEnumeration ( ) throw (cms::CMSException) [virtual]

Gets a pointer to an Enumeration object for browsing the Messages currently in the Queue in the order that a client would receive them.

The pointer returned is owned by the browser and should not be deleted by the client application.

Returns

a pointer to a Queue Enumeration, this Pointer is owned by the QueueBrowser and should not be deleted by the client.

Exceptions

CMSException	if an internal error occurs.

Implements **cms::QueueBrowser** (p. 3244).

6.62.2.3 virtual std::string activemq::core::ActiveMQQueueBrowser::getMessageSelector ( ) const throw (cms::CMSException) [virtual]

Returns

the MessageSelector that is used on when this browser was created or empty string if no selector was present.

Exceptions

CMSException	if an internal error occurs.

Implements **cms::QueueBrowser** (p. 3245).

6.62.2.4 virtual const cms::Queue* activemq::core::ActiveMQQueueBrowser::getQueue ( ) const throw (cms::CMSException) [virtual]

Returns

the Queue that this browser is listening on.

Exceptions

CMSException	if an internal error occurs.

Implements **cms::QueueBrowser** (p. 3245).

6.62.2.5 virtual bool activemq::core::ActiveMQQueueBrowser::hasMoreMessages ( ) [virtual]

Returns true if there are more Message in the Browser that can be retrieved via the `nextMessage` method.

If this method returns false and the `nextMessage` method is called then an Exception will be thrown.

Returns

true if more Message's are available in the Browser.

Implements **cms::MessageEnumeration** (p. 2747).

6.62.2.6 virtual cms::Message* activemq::core::ActiveMQQueueBrowser::nextMessage ( ) throw (cms::CMSException) [virtual]

Returns the Next Message in the Queue if one is present, if no more Message's are available then an Exception is thrown.

If a Message object pointer is returned then that object becomes the property of the caller and must be deleted by the caller when finished.

Returns

The next Message in the Queue.

Exceptions

CMSException	if no more Message's currently in the Queue.

Implements **cms::MessageEnumeration** (p. 2747).

6.62.3 Friends And Related Function Documentation

6.62.3.1 friend class Browser [friend]

The documentation for this class was generated from the following file:

- src/main/activemq/core/**ActiveMQQueueBrowser.h**

6.63 activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 487).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQQueueMarshaller.`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller:

Public Member Functions

- **ActiveMQQueueMarshaller** ()
- virtual ∼**ActiveMQQueueMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.63.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 487). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.63.2 Constructor & Destructor Documentation

6.63.2.1 activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller::ActiveMQQueueMarshaller ( ) [inline]

6.63.2.2 virtual activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller::~ActiveMQQueueMarshaller ( ) [inline, virtual]

6.63.3 Member Function Documentation

6.63.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.63.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.63.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 325).

6.63.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 325).

6.63.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 326).

6.63.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 326).

6.63.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 327).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQQueueMarshaller.h**

6.64 activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 491).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQQueueMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller:

Public Member Functions

- **ActiveMQQueueMarshaller** ()
- virtual ∼**ActiveMQQueueMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.64.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 491).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.64.2 Constructor & Destructor Documentation

6.64.2.1 activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller::ActiveMQQueueMarshaller ( ) [inline]

6.64.2.2 virtual activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller::∼ActiveMQQueueMarshaller ( ) [inline, virtual]

6.64.3 Member Function Documentation

6.64.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.64.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.64.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 329).

6.64.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 329).

6.64.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 330).

6.64.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 330).

6.64.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 331).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQQueueMarshaller.h**

6.65 activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 495).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQQueueMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller:

Public Member Functions

- **ActiveMQQueueMarshaller** ()
- virtual ~**ActiveMQQueueMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.65.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 495). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.65.2 Constructor & Destructor Documentation

6.65.2.1 activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller::ActiveMQQueueMarshaller ( ) [inline]

6.65.2.2 virtual activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller::∼ActiveMQQueueMarshaller ( ) [inline, virtual]

6.65.3 Member Function Documentation

6.65.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.65.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.65.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 333).

6.65.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 333).

6.65.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 334).

6.65.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 334).

6.65.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 335).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQQueueMarshaller.h**

6.66 activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 499).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQQueueMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller:

Public Member Functions

- **ActiveMQQueueMarshaller** ()
- virtual ∼**ActiveMQQueueMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.66.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 499). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.66.2 Constructor & Destructor Documentation

6.66.2.1 activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller::ActiveMQQueueMarshaller ( ) [inline]

6.66.2.2 virtual activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller::~ActiveMQQueueMarshaller ( ) [inline, virtual]

6.66.3 Member Function Documentation

6.66.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.66.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.66.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 337).

6.66.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 337).

6.66.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 338).

6.66.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 338).

6.66.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 339).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQQueueMarshaller.h**

6.67 activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 504).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQQueueMa`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller:

Public Member Functions

- **ActiveMQQueueMarshaller** ()
- virtual ∼**ActiveMQQueueMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.67.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 504). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.67.2 Constructor & Destructor Documentation

6.67.2.1 activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller::ActiveMQQueueMarshaller ( ) [inline]

6.67.2.2 virtual activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller::~ActiveMQQueueMarshaller ( ) [inline, virtual]

6.67.3 Member Function Documentation

6.67.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.67.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.67.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 341).

6.67.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 341).

6.67.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 342).

6.67.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 342).

6.67.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 343).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQQueueMarshaller.h**

6.68 activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 508).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQQueueMa`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller:

Public Member Functions

- **ActiveMQQueueMarshaller** ()
- virtual ∼**ActiveMQQueueMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.68.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 508).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.68.2 Constructor & Destructor Documentation

6.68.2.1 activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller::ActiveMQQueueMarshaller ( ) [inline]

6.68.2.2 virtual activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller::∼ActiveMQQueueMarshaller ( ) [inline, virtual]

6.68.3 Member Function Documentation

6.68.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.68.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.68.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 345).

6.68.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 345).

6.68.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 346).

6.68.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 346).

6.68.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 347).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQQueueMarshaller.h**

6.69 activemq::core::ActiveMQSession Class Reference

`#include <src/main/activemq/core/ActiveMQSession.h>`

Inheritance diagram for activemq::core::ActiveMQSession:

Public Member Functions

- **ActiveMQSession** (const **Pointer**< **commands::SessionInfo** > &sessionInfo, **cms::Session::AcknowledgeMode** ackMode, const **decaf::util::Properties** &properties, **ActiveMQConnection** *connection)
- virtual ~**ActiveMQSession** ()
- void **redispatch** (**MessageDispatchChannel** &unconsumedMessages)

  Redispatches the given set of unconsumed messages to the consumers.

- void **start** ()

  Stops asynchronous message delivery.

- void **stop** ()

  Starts asynchronous message delivery.

- bool **isStarted** () const

  Indicates whether or not the session is currently in the started state.

- bool **isAutoAcknowledge** () const
- bool **isDupsOkAcknowledge** () const
- bool **isClientAcknowledge** () const
- bool **isIndividualAcknowledge** () const
- void **fire** (const **exceptions::ActiveMQException** &ex)

  Fires the given exception to the exception listener of the connection.

- virtual void **dispatch** (const **Pointer**< **MessageDispatch** > &message)

  Dispatches a message to a particular consumer.

- virtual void **close** () throw (cms::CMSException)

  Closes this session as well as any active child consumers or producers.

- virtual void **commit** () throw (cms::CMSException)

  Commits all messages done in this transaction and releases any locks currently held.

- virtual void **rollback** () throw (cms::CMSException)

  Rollsback all messages done in this transaction and releases any locks currently held.

- virtual void **recover** () throw (cms::CMSException)

  Stops message delivery in this session, and restarts message delivery with the oldest unacknowledged message.

- virtual **cms::MessageConsumer** ∗ **createConsumer** (const **cms::Destination** ∗destination) throw (cms::CMSException)

  Creates a MessageConsumer for the specified destination.

- virtual **cms::MessageConsumer** ∗ **createConsumer** (const **cms::Destination** ∗destination, const std::string &selector) throw (cms::CMSException)

  Creates a MessageConsumer for the specified destination, using a message selector.

- virtual **cms::MessageConsumer** ∗ **createConsumer** (const **cms::Destination** ∗destination, const std::string &selector, bool noLocal) throw (cms::CMSException)

  Creates a MessageConsumer for the specified destination, using a message selector.

- virtual **cms::MessageConsumer** ∗ **createDurableConsumer** (const **cms::Topic** ∗destination, const std::string &name, const std::string &selector, bool noLocal=false) throw (cms::CMSException)

  Creates a durable subscriber to the specified topic, using a message selector.

- virtual **cms::MessageProducer** ∗ **createProducer** (const **cms::Destination** ∗destination) throw (cms::CMSException)

Creates a MessageProducer to send messages to the specified destination.

- virtual **cms::QueueBrowser** ∗ **createBrowser** (const **cms::Queue** ∗queue) throw (cms::CMSException)

  Creates a new QueueBrowser to peek at Messages on the given Queue.

- virtual **cms::QueueBrowser** ∗ **createBrowser** (const **cms::Queue** ∗queue, const std::string &selector) throw (cms::CMSException)

  Creates a new QueueBrowser to peek at Messages on the given Queue.

- virtual **cms::Queue** ∗ **createQueue** (const std::string &queueName) throw (cms::CMSException)

  Creates a queue identity given a Queue name.

- virtual **cms::Topic** ∗ **createTopic** (const std::string &topicName) throw (cms::CMSException)

  Creates a topic identity given a Queue name.

- virtual **cms::TemporaryQueue** ∗ **createTemporaryQueue** () throw (cms::CMSException)

  Creates a TemporaryQueue object.

- virtual **cms::TemporaryTopic** ∗ **createTemporaryTopic** () throw (cms::CMSException)

  Creates a TemporaryTopic object.

- virtual **cms::Message** ∗ **createMessage** () throw (cms::CMSException)

  Creates a new Message.

- virtual **cms::BytesMessage** ∗ **createBytesMessage** () throw (cms::CMSException)

  Creates a BytesMessage.

- virtual **cms::BytesMessage** ∗ **createBytesMessage** (const unsigned char ∗bytes, int bytesSize) throw (cms::CMSException)

  Creates a BytesMessage and sets the pay-load to the passed value.

- virtual **cms::StreamMessage** ∗ **createStreamMessage** () throw (cms::CMSException)

  Creates a new StreamMessage.

- virtual **cms::TextMessage** ∗ **createTextMessage** () throw (cms::CMSException)

  Creates a new TextMessage.

- virtual **cms::TextMessage** ∗ **createTextMessage** (const std::string &text) throw (cms::CMSException)

Creates a new TextMessage and set the text to the value given.

- virtual **cms::MapMessage** ∗ **createMapMessage** () throw (cms::CMSException)

  Creates a new MapMessage.

- virtual **cms::Session::AcknowledgeMode getAcknowledgeMode** () const throw (cms::CMSException)

  Returns the acknowledgment mode of the session.

- virtual bool **isTransacted** () const throw (cms::CMSException)

  Gets if the Sessions is a Transacted Session.

- virtual void **unsubscribe** (const std::string &name) throw (cms::CMSException)

  Unsubscribes a durable subscription that has been created by a client.

- void **send** (**cms::Message** ∗message, **ActiveMQProducer** ∗producer, **util::Usage** ∗usage) throw (cms::CMSException)

  Sends a message from the Producer specified using this session's connection the message will be sent using the best available means depending on the configuration of the connection.

- **cms::ExceptionListener** ∗ **getExceptionListener** ()

  This method gets any registered exception listener of this sessions connection and returns it.

- const **commands::SessionInfo** & **getSessionInfo** () const

  Gets the Session Information object for this session, if the session is closed than this method throws an exception.

- const **commands::SessionId** & **getSessionId** () const

  Gets the Session Id object for this session, if the session is closed than this method throws an exception.

- **ActiveMQConnection** ∗ **getConnection** () const

  *Gets the **ActiveMQConnection** (p. 260) that is associated with this session.*

- long long **getLastDeliveredSequenceId** () const

  Gets the currently set Last Delivered Sequence Id.

- void **setLastDeliveredSequenceId** (long long value)

  Sets the value of the Last Delivered Sequence Id.

- void **oneway** (**Pointer**< **commands::Command** > command) throw (activemq::exceptions::ActiveMQException)

  Sends a oneway message.

- void **syncRequest** (**Pointer**< **commands::Command** > command, unsigned int timeout=0) throw (activemq::exceptions::ActiveMQException)

  Sends a synchronous request and returns the response from the broker.

- void **addConsumer** (**ActiveMQConsumer** *consumer) throw (activemq::exceptions::ActiveMQExceptio)

  Adds a MessageConsumer to this session registering it with the Connection and store a reference to it so the session can ensure that all resources are closed when the session is closed.

- void **removeConsumer** (const **Pointer**< **commands::ConsumerId** > &consumerId, long long lastDeliveredSequenceId=0) throw (activemq::exceptions::ActiveMQException)

  Dispose of a MessageConsumer from this session.

- void **addProducer** (**ActiveMQProducer** *consumer) throw (activemq::exceptions::ActiveMQException)

  Adds a MessageProducer to this session registering it with the Connection and store a reference to it so the session can ensure that all resources are closed when the session is closed.

- void **removeProducer** (const **Pointer**< **commands::ProducerId** > &producerId) throw (activemq::exceptions::ActiveMQException)

  Dispose of a MessageProducer from this session.

- void **doStartTransaction** () throw (exceptions::ActiveMQException)

  Starts if not already start a Transaction for this Session.

- **Pointer**< **ActiveMQTransactionContext** > **getTransactionContext** ()

  Gets the Pointer to this Session's TransactionContext.

- void **acknowledge** ()

  Request that the Session inform all its consumers to Acknowledge all Message's that have been received so far.

- void **deliverAcks** ()

  Request that this Session inform all of its consumers to deliver their pending acks.

- void **clearMessagesInProgress** ()

  Request that this Session inform all of its consumers to clear all messages that are currently in progress.

- void **wakeup** ()

  Causes the Session to wakeup its executer and ensure all messages are dispatched.

- **Pointer**< **commands::ConsumerId** > **getNextConsumerId** ()

Get the Next available Consumer Id.

- **Pointer< commands::ProducerId > getNextProducerId** ()

  Get the Next available Producer Id.

Friends

- class **ActiveMQSessionExecutor**

6.69.1 Constructor & Destructor Documentation

6.69.1.1 activemq::core::ActiveMQSession::ActiveMQSession (const Pointer< commands::SessionInfo > & *sessionInfo*, cms::Session::AcknowledgeMode *ackMode*, const decaf::util::Properties & *properties*, ActiveMQConnection * *connection*)

6.69.1.2 virtual activemq::core::ActiveMQSession::~ActiveMQSession ( ) [virtual]

6.69.2 Member Function Documentation

6.69.2.1 void activemq::core::ActiveMQSession::acknowledge ( )

Request that the Session inform all its consumers to Acknowledge all Message's that have been received so far.

6.69.2.2 void activemq::core::ActiveMQSession::addConsumer (ActiveMQConsumer * *consumer*) throw (activemq::exceptions::ActiveMQException)

Adds a MessageConsumer to this session registering it with the Connection and store a reference to it so the session can ensure that all resources are closed when the session is closed.

Parameters

consumer	The **ActiveMQConsumer** (p. 300) instance to add to this session.

Exceptions

ActiveMQException	if an internal error occurs.

6.69.2.3 void activemq::core::ActiveMQSession::addProducer (ActiveMQProducer * *consumer*) throw (activemq::exceptions::ActiveMQException)

Adds a MessageProducer to this session registering it with the Connection and store a reference to it so the session can ensure that all resources are closed when the session

is closed.

Parameters

consumer	The **ActiveMQProducer** (p. 466) instance to add to this session.

Exceptions

ActiveMQException	if an internal error occurs.

6.69.2.4 void activemq::core::ActiveMQSession::clearMessagesInProgress ( )

Request that this Session inform all of its consumers to clear all messages that are currently in progress.

6.69.2.5 virtual void activemq::core::ActiveMQSession::close ( ) throw (cms::CMSException) [virtual]

Closes this session as well as any active child consumers or producers.

Exceptions

CMSException	

Implements **cms::Session** (p. 3464).

6.69.2.6 virtual void activemq::core::ActiveMQSession::commit ( ) throw (cms::CMSException) [virtual]

Commits all messages done in this transaction and releases any locks currently held.

Exceptions

CMSException	

Implements **cms::Session** (p. 3465).

6.69.2.7 virtual cms::QueueBrowser* activemq::core::ActiveMQSession::createBrowser (const cms::Queue * *queue*) throw (cms::CMSException) [virtual]

Creates a new QueueBrowser to peek at Messages on the given Queue.

Parameters

queue	the Queue to browse

Returns

New QueueBrowser that is owned by the caller.

Exceptions

CMSException	- If an internal error occurs.
InvalidDestinationException	- if the destination given is invalid.

Implements **cms::Session** (p. 3465).

6.69.2.8 virtual cms::QueueBrowser* activemq::core::ActiveMQSession::createBrowser (const cms::Queue * *queue*, const std::string & *selector*) throw (cms::CMSException) [virtual]

Creates a new QueueBrowser to peek at Messages on the given Queue.

Parameters

queue	the Queue to browse
selector	the Message selector to filter which messages are browsed.

Returns

New QueueBrowser that is owned by the caller.

Exceptions

CMSException	- If an internal error occurs.
InvalidDestinationException	- if the destination given is invalid.

Implements **cms::Session** (p. 3466).

6.69.2.9 virtual cms::BytesMessage* activemq::core::ActiveMQSession::createBytesMessage ( ) throw (cms::CMSException) [virtual]

Creates a BytesMessage.

Returns

a newly created BytesMessage.

Exceptions

CMSException	

Implements **cms::Session** (p. 3466).

6.69.2.10 virtual cms::BytesMessage* activemq::core::ActiveMQSession::createBytesMessage (const unsigned char * *bytes*, int *bytesSize*) throw (cms::CMSException) [virtual]

Creates a BytesMessage and sets the pay-load to the passed value.

Parameters

bytes	- an array of bytes to set in the message
bytesSize	- the size of the bytes array, or number of bytes to use

Returns

a newly created BytesMessage.

Exceptions

CMSException	

Implements **cms::Session** (p. 3466).

6.69.2.11 virtual cms::MessageConsumer* activemq::core::ActiveMQSession::createConsumer (const cms::Destination * *destination*, const std::string & *selector*, bool *noLocal*) throw (cms::CMSException) [virtual]

Creates a MessageConsumer for the specified destination, using a message selector.

Parameters

destination	- The Destination that this consumer receiving messages for.
selector	- The Message Selector string to use for this destination
noLocal	- if true, and the destination is a topic, inhibits the delivery of messages published by its own connection. The behavior for NoLocal is not specified if the destination is a queue.

Exceptions

CMSException	

Implements **cms::Session** (p. 3468).

6.69.2.12 virtual cms::MessageConsumer* activemq::core::ActiveMQSession::createConsumer (const cms::Destination * *destination*, const std::string & *selector*) throw (cms::CMSException) [virtual]

Creates a MessageConsumer for the specified destination, using a message selector.

Parameters

destination	- The Destination that this consumer receiving messages for.
selector	- The Message Selector string to use for this destination

Exceptions

CMSException	

Implements **cms::Session** (p. 3467).

6.69.2.13 virtual cms::MessageConsumer* activemq::core::ActiveMQSession::createConsumer (const cms::Destination * *destination*) throw (cms::CMSException) [virtual]

Creates a MessageConsumer for the specified destination.

Parameters

destination	- The Destination that this consumer receiving messages for.

Exceptions

CMSException	

Implements **cms::Session** (p. 3467).

6.69.2.14 virtual cms::MessageConsumer* activemq::core::ActiveMQSession::createDurableConsumer (const cms::Topic * *destination,* const std::string & *name,* const std::string & *selector,* bool *noLocal* = `false`) throw (cms::CMSException) [virtual]

Creates a durable subscriber to the specified topic, using a message selector.

Parameters

destination	- the topic to subscribe to
name	- The name used to identify the subscription
selector	- only messages matching the selector are received
noLocal	- if true, and the destination is a topic, inhibits the delivery of messages published by its own connection. The behavior for NoLocal is not specified if the destination is a queue.

Exceptions

CMSException	

Implements **cms::Session** (p. 3469).

6.69.2.15 virtual cms::MapMessage* activemq::core::ActiveMQSession::createMapMessage ( ) throw (cms::CMSException) [virtual]

Creates a new MapMessage.

Returns

a newly created MapMessage.

Exceptions

CMSException	

Implements **cms::Session** (p. 3469).

6.69.2.16 virtual cms::Message* activemq::core::ActiveMQSession::createMessage ( ) throw (cms::CMSException) [virtual]

Creates a new Message.

Exceptions

CMSException	

Implements **cms::Session** (p. 3470).

6.69.2.17 virtual cms::MessageProducer* activemq::core::ActiveMQSession::createProducer (const cms::Destination * *destination*) throw (cms::CMSException) [virtual]

Creates a MessageProducer to send messages to the specified destination.

Parameters

destination	- the Destination to publish on

Exceptions

CMSException	

Implements **cms::Session** (p. 3470).

6.69.2.18 virtual cms::Queue* activemq::core::ActiveMQSession::createQueue (const std::string & *queueName*) throw (cms::CMSException) [virtual]

Creates a queue identity given a Queue name.

Parameters

queueName	- the name of the new Queue

Exceptions

CMSException	

Implements **cms::Session** (p. 3470).

6.69.2.19 virtual cms::StreamMessage* activemq::core::ActiveMQSession::createStreamMessage ( ) throw (cms::CMSException) [virtual]

Creates a new StreamMessage.

Returns

a newly created StreamMessage.

Exceptions

CMSException	

Implements **cms::Session** (p. 3471).

6.69.2.20 virtual cms::TemporaryQueue* activemq::core::ActiveMQSession::createTemporaryQueue ( ) throw (cms::CMSException) [virtual]

Creates a TemporaryQueue object.

Exceptions

CMSException	

Implements **cms::Session** (p. 3471).

6.69.2.21 virtual cms::TemporaryTopic* activemq::core::ActiveMQSession::createTemporaryTopic ( ) throw (cms::CMSException) [virtual]

Creates a TemporaryTopic object.

Exceptions

CMSException	

Implements **cms::Session** (p. 3471).

6.69.2.22 virtual cms::TextMessage* activemq::core::ActiveMQSession::createTextMessage ( ) throw (cms::CMSException) [virtual]

Creates a new TextMessage.

Returns

a newly created TextMessage.

Exceptions

CMSException	

Implements **cms::Session** (p. 3472).

6.69.2.23 virtual cms::TextMessage* activemq::core::ActiveMQSession::createTextMessage (const std::string & *text*) throw (cms::CMSException) [virtual]

Creates a new TextMessage and set the text to the value given.

Parameters

text	- The initial text for the message

Returns

a newly created TextMessage with the given Text set in the Message body.

Exceptions

CMSException	

Implements **cms::Session** (p. 3472).

6.69.2.24 virtual cms::Topic* activemq::core::ActiveMQSession::createTopic (const std::string & *topicName*) throw (cms::CMSException) [virtual]

Creates a topic identity given a Queue name.

Parameters

topicName	- the name of the new Topic

Exceptions

CMSException	

Implements **cms::Session** (p. 3472).

6.69.2.25 void activemq::core::ActiveMQSession::deliverAcks ( )

Request that this Session inform all of its consumers to deliver their pending acks.

6.69.2.26 virtual void activemq::core::ActiveMQSession::dispatch (const Pointer< MessageDispatch > & *message*) [virtual]

Dispatches a message to a particular consumer.

Parameters

message	- the message to be dispatched

Implements **activemq::core::Dispatcher** (p. 1841).

6.69.2.27 void activemq::core::ActiveMQSession::doStartTransaction ( ) throw (exceptions::ActiveMQException)

Starts if not already start a Transaction for this Session.

If the session is not a Transacted Session then an exception is thrown. If a transaction is already in progress then this method has no effect.

Exceptions

ActiveMQException	if this is not a Transacted Session.

6.69.2.28 void activemq::core::ActiveMQSession::fire (const exceptions::ActiveMQException & *ex*)

Fires the given exception to the exception listener of the connection.

6.69.2.29 virtual cms::Session::AcknowledgeMode activemq::core::ActiveMQSession::getAcknowledgeMode ( ) const throw (cms::CMSException) [virtual]

Returns the acknowledgment mode of the session.

Returns

the Sessions Acknowledge Mode

Implements **cms::Session** (p. 3473).

6.69.2.30 ActiveMQConnection* activemq::core::ActiveMQSession::getConnection ( ) const [inline]

Gets the **ActiveMQConnection** (p. 260) that is associated with this session.

6.69.2.31 cms::ExceptionListener* activemq::core::ActiveMQSession::getExceptionListener ( )

This method gets any registered exception listener of this sessions connection and returns it.

Mainly intended for use by the objects that this session creates so that they can notify the client of exceptions that occur in the context of another thread.

Returns

cms::ExceptionListener (p. 1893) pointer or NULL

6.69.2.32 long long activemq::core::ActiveMQSession::getLastDeliveredSequenceId ( ) const [inline]

Gets the currently set Last Delivered Sequence Id.

Returns

long long containing the sequence id of the last delivered Message.

6.69.2.33 Pointer<commands::ConsumerId> activemq::core::ActiveMQSession::getNextConsumerId ( )

Get the Next available Consumer Id.

Returns

the next id in the sequence.

6.69.2.34 Pointer<commands::ProducerId> activemq::core::ActiveMQSession::getNextProducerId ( )

Get the Next available Producer Id.

Returns

the next id in the sequence.

6.69.2.35 const commands::SessionId& activemq::core::ActiveMQSession::getSessionId ( ) const [inline]

Gets the Session Id object for this session, if the session is closed than this method throws an exception.

Returns

SessionId Reference

6.69.2.36 const commands::SessionInfo& activemq::core::ActiveMQSession::getSessionInfo ( ) const [inline]

Gets the Session Information object for this session, if the session is closed than this method throws an exception.

Returns

SessionInfo Reference

6.69.2.37 Pointer<ActiveMQTransactionContext> activemq::core::ActiveMQSession::getTransactionContext ( ) [inline]

Gets the Pointer to this Session's TransactionContext.

Returns

a Pointer to this Session's TransactionContext

6.69.2.38 bool activemq::core::ActiveMQSession::isAutoAcknowledge ( ) const [inline]

References cms::Session::AUTO_ACKNOWLEDGE.

6.69.2.39 bool activemq::core::ActiveMQSession::isClientAcknowledge ( ) const [inline]

References cms::Session::CLIENT_ACKNOWLEDGE.

6.69.2.40 bool activemq::core::ActiveMQSession::isDupsOkAcknowledge ( ) const [inline]

References cms::Session::DUPS_OK_ACKNOWLEDGE.

6.69.2.41 bool activemq::core::ActiveMQSession::isIndividualAcknowledge ( ) const [inline]

References cms::Session::INDIVIDUAL_ACKNOWLEDGE.

6.69.2.42 bool activemq::core::ActiveMQSession::isStarted ( ) const

Indicates whether or not the session is currently in the started state.

6.69.2.43 virtual bool activemq::core::ActiveMQSession::isTransacted ( ) const throw (cms::CMSException) [virtual]

Gets if the Sessions is a Transacted Session.

Returns

transacted true - false.

Implements **cms::Session** (p. 3473).

6.69.2.44 void activemq::core::ActiveMQSession::oneway (Pointer< commands::Command > *command*) throw (activemq::exceptions::ActiveMQException)

Sends a oneway message.

Parameters

command	The message to send.

Exceptions

ActiveMQException	if not currently connected, or if the operation fails for any reason.

6.69.2.45 virtual void activemq::core::ActiveMQSession::recover ( ) throw (cms::CMSException) [virtual]

Stops message delivery in this session, and restarts message delivery with the oldest unacknowledged message.

All consumers deliver messages in a serial order. Acknowledging a received message automatically acknowledges all messages that have been delivered to the client.

Restarting a session causes it to take the following actions:

- Stop message delivery
- Mark all messages that might have been delivered but not acknowledged as "re-delivered"

- Restart the delivery sequence including all unacknowledged messages that had been previously delivered. Redelivered messages do not have to be delivered in exactly their original delivery order.

Exceptions

CMSException	- if the CMS provider fails to stop and restart message delivery due to some internal error.
IllegalStateException	- if the method is called by a transacted session.

Implements **cms::Session** (p. 3474).

6.69.2.46 void activemq::core::ActiveMQSession::redispatch (MessageDispatchChannel & *unconsumedMessages*)

Redispatches the given set of unconsumed messages to the consumers.

Parameters

unconsumedMessages	- unconsumed messages to be redelivered.

6.69.2.47 void activemq::core::ActiveMQSession::removeConsumer (const Pointer< commands::ConsumerId > & *consumerId*, long long *lastDeliveredSequenceId* = 0) throw (activemq::exceptions::ActiveMQException)

Dispose of a MessageConsumer from this session.

Removes it from the Connection and clean up any resources associated with it.

Parameters

consumerId	The ConsumerId of the MessageConsumer to remove from this Session.
lastDeliveredSequenceId	The sequenceId of the last Message the consumer delivered.

Exceptions

ActiveMQException	if an internal error occurs.

6.69.2.48 void activemq::core::ActiveMQSession::removeProducer (const Pointer< commands::ProducerId > & *producerId*) throw (activemq::exceptions::ActiveMQException)

Dispose of a MessageProducer from this session.

Removes it from the Connection and clean up any resources associated with it.

Parameters

producerId	The ProducerId of the MessageProducer to remove from this session.

Exceptions

ActiveMQException	if an internal error occurs.

6.69.2.49 virtual void activemq::core::ActiveMQSession::rollback ( ) throw (cms::CMSException) [virtual]

Rollsback all messages done in this transaction and releases any locks currently held.

Exceptions

CMSException	

Implements **cms::Session** (p. 3474).

6.69.2.50 void activemq::core::ActiveMQSession::send (cms::Message * *message*, ActiveMQProducer * *producer*, util::Usage * *usage*) throw (cms::CMSException)

Sends a message from the Producer specified using this session's connection the message will be sent using the best available means depending on the configuration of the connection.

Asynchronous sends will be chosen if at all possible.

Parameters

message	The message to send to the broker.
producer	The sending Producer
usage	Pointer to a Usage tracker which if set will be increased by the size of the given message.

Exceptions

CMSException	

6.69.2.51 void activemq::core::ActiveMQSession::setLastDeliveredSequenceId (long long *value*) [inline]

Sets the value of the Last Delivered Sequence Id.

Parameters

value	The new value to assign to the Last Delivered Sequence Id property.

6.69.2.52 void activemq::core::ActiveMQSession::start ( )

Stops asynchronous message delivery.

6.69.2.53 void activemq::core::ActiveMQSession::stop ( )

Starts asynchronous message delivery.

6.69.2.54 void activemq::core::ActiveMQSession::syncRequest (Pointer< commands::Command > *command,* unsigned int *timeout* = 0) throw (activemq::exceptions::ActiveMQException)

Sends a synchronous request and returns the response from the broker.

Converts any error responses into an exception.

Parameters

command	The request command.
timeout	The time to wait for a response, default is zero or infinite.

Exceptions

ActiveMQException	thrown if an error response was received from the broker, or if any other error occurred.

6.69.2.55 virtual void activemq::core::ActiveMQSession::unsubscribe (const std::string & *name*) throw (cms::CMSException) [virtual]

Unsubscribes a durable subscription that has been created by a client.

This method deletes the state being maintained on behalf of the subscriber by its provider. It is erroneous for a client to delete a durable subscription while there is an active MessageConsumer or Subscriber for the subscription, or while a consumed message is part of a pending transaction or has not been acknowledged in the session.

Parameters

name	the name used to identify this subscription

Exceptions

CMSException	

Implements **cms::Session** (p. 3475).

6.69.2.56 void activemq::core::ActiveMQSession::wakeup ( )

Causes the Session to wakeup its executer and ensure all messages are dispatched.

6.69.3 Friends And Related Function Documentation

6.69.3.1 friend class ActiveMQSessionExecutor [friend]

The documentation for this class was generated from the following file:

- src/main/activemq/core/**ActiveMQSession.h**

6.70 activemq::core::ActiveMQSessionExecutor Class Reference

Delegate dispatcher for a single session.

`#include <src/main/activemq/core/ActiveMQSessionExecutor.h>`

Inheritance diagram for activemq::core::ActiveMQSessionExecutor:

Public Member Functions

- **ActiveMQSessionExecutor** (**ActiveMQSession** ∗session)
  Creates an un-started executor for the given session.
- virtual ∼**ActiveMQSessionExecutor** ()
  *Calls **stop()** (p. 535) then **clear()** (p. 533).*
- virtual void **execute** (const **Pointer**< **MessageDispatch** > &data)
  Executes the dispatch.
- virtual void **executeFirst** (const **Pointer**< **MessageDispatch** > &data)
  Executes the dispatch.
- virtual void **clearMessagesInProgress** ()
  Removes all messages in the Dispatch Channel so that non are delivered.
- virtual bool **hasUncomsumedMessages** () const
- virtual void **wakeup** ()
  wakeup this executer and dispatch any pending messages.
- virtual void **start** ()
  Starts the dispatching.

- virtual void **stop** ()

  Stops dispatching.

- virtual void **close** ()

  Terminates the dispatching thread.

- virtual bool **isRunning** () const
- virtual bool **isEmpty** ()
- virtual void **clear** ()

  Removes all queued messages and destroys them.

- virtual bool **iterate** ()

  *Iterates on the **MessageDispatchChannel*** (p. *2683) sending all pending messages to the Consumers they are destined for.*

- std::vector< **Pointer**< **MessageDispatch** > > **getUnconsumedMessages** ()

6.70.1 Detailed Description

Delegate dispatcher for a single session. Contains a thread to provide for asynchronous dispatching.

6.70.2 Constructor & Destructor Documentation

6.70.2.1 activemq::core::ActiveMQSessionExecutor::ActiveMQSessionExecutor (ActiveMQSession * *session*)

Creates an un-started executor for the given session.

6.70.2.2 virtual activemq::core::ActiveMQSessionExecutor::~ActiveMQSessionExecutor ( ) [virtual]

Calls **stop()** (p. 535) then **clear()** (p. 533).

6.70.3 Member Function Documentation

6.70.3.1 virtual void activemq::core::ActiveMQSessionExecutor::clear ( ) [inline, virtual]

Removes all queued messages and destroys them.

6.70.3.2 virtual void activemq::core::ActiveMQSessionExecutor::clearMessagesInProgress ( ) [inline, virtual]

Removes all messages in the Dispatch Channel so that non are delivered.

6.70.3.3 virtual void activemq::core::ActiveMQSessionExecutor::close ( ) [inline, virtual]

Terminates the dispatching thread.

Once this is called, the executor is no longer usable.

6.70.3.4 virtual void activemq::core::ActiveMQSessionExecutor::execute (const Pointer< MessageDispatch > & *data*) [virtual]

Executes the dispatch.

Adds the given data to the end of the queue.

Parameters

data	- the data to be dispatched.

6.70.3.5 virtual void activemq::core::ActiveMQSessionExecutor::executeFirst (const Pointer< MessageDispatch > & *data*) [virtual]

Executes the dispatch.

Adds the given data to the beginning of the queue.

Parameters

data	- the data to be dispatched.

6.70.3.6 std::vector< Pointer<MessageDispatch> > activemq::core::ActiveMQSessionExecutor::getUnconsumedMessages ( ) [inline]

Returns

a vector containing all the unconsumed messages, this clears the Message Dispatch Channel when called.

6.70.3.7 virtual bool activemq::core::ActiveMQSessionExecutor::hasUncomsumedMessages ( ) const [inline, virtual]

Returns

true if there are any pending messages in the dispatch channel.

6.70.3.8 virtual bool activemq::core::ActiveMQSessionExecutor::isEmpty ( ) [inline, virtual]

Returns

true if there are no messages in the Dispatch Channel.

6.70.3.9 virtual bool activemq::core::ActiveMQSessionExecutor::isRunning ( ) const [inline, virtual]

Returns

true indicates if the executor is started

6.70.3.10 virtual bool activemq::core::ActiveMQSessionExecutor::iterate ( ) [virtual]

Iterates on the **MessageDispatchChannel** (p. 2683) sending all pending messages to the Consumers they are destined for.

Returns

false if there are no more messages to dispatch.

Implements **activemq::threads::Task** (p. 3847).

6.70.3.11 virtual void activemq::core::ActiveMQSessionExecutor::start ( ) [virtual]

Starts the dispatching.

6.70.3.12 virtual void activemq::core::ActiveMQSessionExecutor::stop ( ) [virtual]

Stops dispatching.

6.70.3.13 virtual void activemq::core::ActiveMQSessionExecutor::wakeup ( ) [virtual]

wakeup this executer and dispatch any pending messages.

The documentation for this class was generated from the following file:

- src/main/activemq/core/**ActiveMQSessionExecutor.h**

6.71 activemq::commands::ActiveMQStreamMessage Class Reference

```
#include <src/main/activemq/commands/ActiveMQStreamMessage.h>
```

Inheritance diagram for activemq::commands::ActiveMQStreamMessage:

Public Member Functions

- **ActiveMQStreamMessage** ()
- virtual ∼**ActiveMQStreamMessage** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ActiveMQStreamMessage** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual void **onSend** ()

  Store the Data that was written to the stream before a send.

- virtual **cms::StreamMessage** ∗ **clone** () const

  Clone this message exactly, returns a new instance that the caller is required to delete.

- virtual void **clearBody** () throw (cms::CMSException)

  Clears out the body of the message.

- virtual void **reset** () throw (cms::CMSException)

  Puts the message body in read-only mode and repositions the stream of bytes to the beginning.

- virtual bool **readBoolean** () const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a Boolean from the Stream message stream.

- virtual void **writeBoolean** (bool value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a boolean to the Stream message stream as a 1-byte value.

- virtual unsigned char **readByte** () const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a Byte from the Stream message stream.

- virtual void **writeByte** (unsigned char value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a byte to the Stream message stream as a 1-byte value.

- virtual int **readBytes** (std::vector< unsigned char > &value) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a byte array from the Stream message stream.

- virtual void **writeBytes** (const std::vector< unsigned char > &value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a byte array to the Stream message stream using the vector size as the number of bytes to write.

- virtual int **readBytes** (unsigned char *buffer, int length) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a portion of the Stream message stream.

- virtual void **writeBytes** (const unsigned char *value, int offset, int length) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a portion of a byte array to the Stream message stream.

- virtual char **readChar** () const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a Char from the Stream message stream.

- virtual void **writeChar** (char value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a char to the Stream message stream as a 1-byte value.

- virtual float **readFloat** () const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 32 bit float from the Stream message stream.

- virtual void **writeFloat** (float value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a float to the Stream message stream as a 4 byte value.

- virtual double **readDouble** () const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

Reads a 64 bit double from the Stream message stream.

- virtual void **writeDouble** (double value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a double to the Stream message stream as a 8 byte value.

- virtual short **readShort** () const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 16 bit signed short from the Stream message stream.

- virtual void **writeShort** (short value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a signed short to the Stream message stream as a 2 byte value.

- virtual unsigned short **readUnsignedShort** () const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 16 bit unsigned short from the Stream message stream.

- virtual void **writeUnsignedShort** (unsigned short value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a unsigned short to the Stream message stream as a 2 byte value.

- virtual int **readInt** () const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 32 bit signed integer from the Stream message stream.

- virtual void **writeInt** (int value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a signed int to the Stream message stream as a 4 byte value.

- virtual long long **readLong** () const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 64 bit long from the Stream message stream.

- virtual void **writeLong** (long long value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a long long to the Stream message stream as a 8 byte value.

- virtual std::string **readString** () const throw (cms::MessageEOFException, cms::MessageFormatExceptio cms::MessageNotReadableException, cms::CMSException)

  Reads an ASCII String from the Stream message stream.

- virtual void **writeString** (const std::string &value) throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes an ASCII String to the Stream message stream.

Static Public Attributes

- static const unsigned char **ID_ACTIVEMQSTREAMMESSAGE** = 27

6.71.1 Constructor & Destructor Documentation

6.71.1.1 activemq::commands::ActiveMQStreamMessage::ActiveMQStreamMessage ( )

6.71.1.2 virtual activemq::commands::ActiveMQStreamMessage::~ActiveMQStreamMessage ( ) [virtual]

6.71.2 Member Function Documentation

6.71.2.1 virtual void activemq::commands::ActiveMQStreamMessage::clearBody ( ) throw (cms::CMSException) [virtual]

Clears out the body of the message.

This does not clear the headers or properties.

Reimplemented from **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 422).

6.71.2.2 virtual cms::StreamMessage* activemq::commands::ActiveMQStreamMessage::clone ( ) const [inline, virtual]

Clone this message exactly, returns a new instance that the caller is required to delete.

Returns

new copy of this message

Implements **cms::Message** (p. 2620).

6.71.2.3 virtual ActiveMQStreamMessage* activemq::commands::ActiveMQStreamMessage::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::Message** (p. 2601).

6.71.2.4 virtual void activemq::commands::ActiveMQStreamMessage::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::Message** (p. 2602).

6.71.2.5 virtual bool activemq::commands::ActiveMQStreamMessage::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 423).

6.71.2.6 virtual unsigned char activemq::commands::ActiveMQStreamMessage::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::Message** (p. 2604).

6.71.2.7 virtual void activemq::commands::ActiveMQStreamMessage::onSend ( ) [virtual]

Store the Data that was written to the stream before a send.

Reimplemented from **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 431).

6.71.2.8 virtual bool activemq::commands::ActiveMQStreamMessage::readBoolean ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a Boolean from the Stream message stream.

Returns

boolean value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of message stream has been reached.
MessageFormatException	- if this type conversion is invalid.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::StreamMessage** (p. 3763).

6.71.2.9 virtual unsigned char activemq::commands::ActiveMQStreamMessage::readByte ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a Byte from the Stream message stream.

Returns

unsigned char value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of message stream has been reached.
MessageFormatException	- if this type conversion is invalid.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::StreamMessage** (p. 3764).

6.71.2.10 virtual int activemq::commands::ActiveMQStreamMessage::readBytes (unsigned char * *buffer*, int *length*) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a portion of the Stream message stream.

If the length of array value is less than the number of bytes remaining to be read from the stream, the array should be filled. A subsequent call reads the next increment, and so on.

If the number of bytes remaining in the stream is less than the length of array value, the bytes should be read into the array. The return value of the total number of bytes read will be less than the length of the array, indicating that there are no more bytes left to be read from the stream. The next read of the stream returns -1.

If length is negative, or length is greater than the length of the array value, then an CMSException is thrown. No bytes will be read from the stream for this exception case.

Parameters

buffer	the buffer into which the data is read
length	the number of bytes to read; must be less than or equal to value.length

Returns

the total number of bytes read into the buffer, or -1 if there is no more data because the end of the stream has been reached

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of message stream has been reached.
MessageFormatException	- if this type conversion is invalid.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::StreamMessage** (p. 3765).

6.71.2.11 virtual int activemq::commands::ActiveMQStreamMessage::readBytes (std::vector< unsigned char > & *value*) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a byte array from the Stream message stream.

If the length of vector value is less than the number of bytes remaining to be read from the stream, the vector should be filled. A subsequent call reads the next increment, and

so on.

If the number of bytes remaining in the stream is less than the length of vector value, the bytes should be read into the vector. The return value of the total number of bytes read will be less than the length of the vector, indicating that there are no more bytes left to be read from the stream. The next read of the stream returns -1.

Parameters

value	buffer to place data in

Returns

the total number of bytes read into the buffer, or -1 if there is no more data because the end of the stream has been reached

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of message stream has been reached.
MessageFormatException	- if this type conversion is invalid.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::StreamMessage** (p. 3764).

6.71.2.12 virtual char activemq::commands::ActiveMQStreamMessage::readChar ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a Char from the Stream message stream.

Returns

char value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of message stream has been reached.
MessageFormatException	- if this type conversion is invalid.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::StreamMessage** (p. 3766).

6.71.2.13 virtual double activemq::commands::ActiveMQStreamMessage::readDouble ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a 64 bit double from the Stream message stream.

Returns

double value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of message stream has been reached.
MessageFormatException	- if this type conversion is invalid.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::StreamMessage** (p. 3766).

6.71.2.14 virtual float activemq::commands::ActiveMQStreamMessage::readFloat ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a 32 bit float from the Stream message stream.

Returns

double value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of message stream has been reached.
MessageFormatException	- if this type conversion is invalid.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::StreamMessage** (p. 3767).

6.71.2.15 virtual int activemq::commands::ActiveMQStreamMessage::readInt ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a 32 bit signed integer from the Stream message stream.

Returns

int value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of message stream has been reached.
MessageFormatException	- if this type conversion is invalid.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::StreamMessage** (p. 3767).

6.71.2.16 virtual long long activemq::commands::ActiveMQStreamMessage::readLong ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a 64 bit long from the Stream message stream.

Returns

long long value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of message stream has been reached.
MessageFormatException	- if this type conversion is invalid.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::StreamMessage** (p. 3768).

6.71.2.17 virtual short activemq::commands::ActiveMQStreamMessage::readShort ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a 16 bit signed short from the Stream message stream.

Returns

short value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of message stream has been reached.
MessageFormatException	- if this type conversion is invalid.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::StreamMessage** (p. 3769).

6.71.2.18 virtual std::string activemq::commands::ActiveMQStreamMessage::readString ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads an ASCII String from the Stream message stream.

Returns

String from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of message stream has been reached.
MessageFormatException	- if this type conversion is invalid.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::StreamMessage** (p. 3769).

6.71.2.19 virtual unsigned short activemq::commands::ActiveMQStreamMessage::readUnsignedShort ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [virtual]

Reads a 16 bit unsigned short from the Stream message stream.

Returns

unsigned short value from stream

Exceptions

CMSException	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException	- if unexpected end of message stream has been reached.
MessageFormatException	- if this type conversion is invalid.
MessageNotReadableException	- if the message is in write-only mode.

Implements **cms::StreamMessage** (p. 3770).

6.71.2.20 virtual void activemq::commands::ActiveMQStreamMessage::reset ( ) throw (cms::CMSException) [virtual]

Puts the message body in read-only mode and repositions the stream of bytes to the beginning.

Exceptions

CMSException	

6.71.2.21 virtual std::string activemq::commands::ActiveMQStreamMessage::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::Message** (p. 2611).

6.71.2.22 virtual void activemq::commands::ActiveMQStreamMessage::writeBoolean (bool *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a boolean to the Stream message stream as a 1-byte value.

The value true is written as the value (byte)1; the value false is written as the value (byte)0.

Parameters

value	boolean to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::StreamMessage** (p. 3770).

6.71.2.23 virtual void activemq::commands::ActiveMQStreamMessage::writeByte (unsigned char *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a byte to the Stream message stream as a 1-byte value.

Parameters

value	byte to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::StreamMessage** (p. 3771).

6.71.2.24 virtual void activemq::commands::ActiveMQStreamMessage::writeBytes (const unsigned char * *value*, int *offset*, int *length*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a portion of a byte array to the Stream message stream.

size as the number of bytes to write.

Parameters

value	bytes to write to the stream
offset	the initial offset within the byte array
length	the number of bytes to use

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::StreamMessage** (p. 3771).

6.71.2.25 virtual void activemq::commands::ActiveMQStreamMessage::writeBytes (const std::vector< unsigned char > & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a byte array to the Stream message stream using the vector size as the number of bytes to write.

Parameters

value	bytes to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::StreamMessage** (p. 3772).

6.71.2.26 virtual void activemq::commands::ActiveMQStreamMessage::writeChar (char *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a char to the Stream message stream as a 1-byte value.

Parameters

value	char to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.

MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::StreamMessage** (p. 3772).

6.71.2.27 virtual void activemq::commands::ActiveMQStreamMessage::writeDouble (double *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a double to the Stream message stream as a 8 byte value.

Parameters

value	double to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::StreamMessage** (p. 3772).

6.71.2.28 virtual void activemq::commands::ActiveMQStreamMessage::writeFloat (float *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a float to the Stream message stream as a 4 byte value.

Parameters

value	float to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::StreamMessage** (p. 3773).

6.71.2.29 virtual void activemq::commands::ActiveMQStreamMessage::writeInt (int *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a signed int to the Stream message stream as a 4 byte value.

Parameters

value	signed int to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::StreamMessage** (p. 3773).

6.71.2.30 virtual void activemq::commands::ActiveMQStreamMessage::writeLong (long long *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a long long to the Stream message stream as a 8 byte value.

Parameters

value	signed long long to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::StreamMessage** (p. 3774).

6.71.2.31 virtual void activemq::commands::ActiveMQStreamMessage::writeShort (short *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a signed short to the Stream message stream as a 2 byte value.

Parameters

value	signed short to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::StreamMessage** (p. 3774).

6.71.2.32 virtual void activemq::commands::ActiveMQStreamMessage::writeString (const std::string & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes an ASCII String to the Stream message stream.

Parameters

value	String to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::StreamMessage** (p. 3774).

6.71.2.33 virtual void activemq::commands::ActiveMQStreamMessage::writeUnsignedShort (unsigned short *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Writes a unsigned short to the Stream message stream as a 2 byte value.

Parameters

value	unsigned short to write to the stream

Exceptions

CMSException	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException	- if the message is in read-only mode.

Implements **cms::StreamMessage** (p. 3775).

6.71.3 Field Documentation

6.71.3.1 const unsigned char activemq::commands::ActiveMQStreamMessage::ID_ACTIVEMQSTREAMMESSAGE = 27 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQStreamMessage.h**

6.72 activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 553).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQStreamMessageMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller:

Public Member Functions

- **ActiveMQStreamMessageMarshaller** ()
- virtual ∼**ActiveMQStreamMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.72.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 553). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.72.2 Constructor & Destructor Documentation

6.72.2.1 activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller::ActiveMQStreamMessageMarsha ( ) [inline]

6.72.2.2 virtual activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller::∼ActiveMQStreamMessag ( ) [inline, virtual]

6.72.3 Member Function Documentation

6.72.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.72.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller::getDataStru ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.72.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.72.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.72.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2787).

6.72.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

6.72.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQStreamMessageMarshaller.h**

6.73 activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 557).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQStreamMessageMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller:

Public Member Functions

- **ActiveMQStreamMessageMarshaller** ()
- virtual ~**ActiveMQStreamMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.73.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 557). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.73.2 Constructor & Destructor Documentation

6.73.2.1 activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller::ActiveMQStreamMessageMarsha ( ) [inline]

6.73.2.2 virtual activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller::∼ActiveMQStreamMessag ( ) [inline, virtual]

6.73.3 Member Function Documentation

6.73.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.73.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.73.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2799).

6.73.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.73.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.73.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2801).

6.73.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2802).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQStreamMessageMarshaller.h**

6.74 activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 561).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQStreamMessageMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller:

Public Member Functions

- **ActiveMQStreamMessageMarshaller** ()
- virtual ~**ActiveMQStreamMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.74.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 561). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.74.2 Constructor & Destructor Documentation

6.74.2.1 activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller::ActiveMQStreamMessageMarshaller ( ) [inline]

6.74.2.2 virtual activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller::~ActiveMQStreamMessageMarshaller ( ) [inline, virtual]

6.74.3 Member Function Documentation

6.74.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.74.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.74.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.74.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.74.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2796).

6.74.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

6.74.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQStreamMessageMarshaller.h**

6.75 activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshalle Class Reference

Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 566).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQStreamM`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller:

Public Member Functions

- **ActiveMQStreamMessageMarshaller** ()
- virtual ∼**ActiveMQStreamMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.75.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 566). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.75.2 Constructor & Destructor Documentation

6.75.2.1 activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller::ActiveMQStreamMessageMarshaller ( ) [inline]

6.75.2.2 virtual activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller::~ActiveMQStreamMessageMarshaller ( ) [inline, virtual]

6.75.3 Member Function Documentation

6.75.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.75.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.75.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2781).

6.75.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2782).

6.75.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.75.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.75.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQStreamMessageMarshaller.h**

6.76 activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshalle Class Reference

Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 570).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQStreamM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller:

Public Member Functions

- **ActiveMQStreamMessageMarshaller** ()
- virtual ∼**ActiveMQStreamMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.76.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 570). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.76.2 Constructor & Destructor Documentation

6.76.2.1 activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller::ActiveMQStreamMessageMarshaller ( ) [inline]

6.76.2.2 virtual activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller::∼ActiveMQStreamMessageMarshaller ( ) [inline, virtual]

6.76.3 Member Function Documentation

6.76.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.76.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.76.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2790).

6.76.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.76.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.76.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2792).

6.76.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2793).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQStreamMessageMarshaller.h**

6.77 activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshalle Class Reference

Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 574).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQStreamM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller:

Public Member Functions

- **ActiveMQStreamMessageMarshaller** ()
- virtual ~**ActiveMQStreamMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.77.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 574). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.77.2 Constructor & Destructor Documentation

6.77.2.1 activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller::ActiveMQStreamMessageMarshaller ( ) [inline]

6.77.2.2 virtual activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller::∼ActiveMQStreamMessageMarshaller ( ) [inline, virtual]

6.77.3 Member Function Documentation

6.77.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.77.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller::getDataStru ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.77.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.77.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.77.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2805).

6.77.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

6.77.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQStreamMessageMarshaller.h**

6.78 activemq::commands::ActiveMQTempDestination Class Reference

```
#include <src/main/activemq/commands/ActiveMQTempDestination.h>
```

Inheritance diagram for activemq::commands::ActiveMQTempDestination:

Public Member Functions

- **ActiveMQTempDestination** ()

- **ActiveMQTempDestination** (const std::string &name)
- virtual ∼**ActiveMQTempDestination** ()
- virtual unsigned char **getDataStructureType** () const

  *Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.*

- virtual **ActiveMQTempDestination** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual void **close** () throw (cms::CMSException)

  Closes down this Destination resulting in a call to dispose of the TempDestination resource at the Broker.

- void **setConnection** (**core::ActiveMQConnection** ∗**connection**)

  Sets the Parent Connection that is notified when this destination is destroyed.

Static Public Attributes

- static const unsigned char **ID_ACTIVEMQTEMPDESTINATION** = 0

Protected Attributes

- **core::ActiveMQConnection** ∗ **connection**

  Connection that we call back on close to allow this resource to be cleaned up correctly at this end and at the Broker End.

6.78.1 Constructor & Destructor Documentation

6.78.1.1 activemq::commands::ActiveMQTempDestination::ActiveMQTempDestination ( )

6.78.1.2 activemq::commands::ActiveMQTempDestination::ActiveMQTempDestination (const std::string & *name*)

6.78.1.3 virtual activemq::commands::ActiveMQTempDestination::~ActiveMQTempDestination ( ) [virtual]

6.78.2 Member Function Documentation

6.78.2.1 virtual ActiveMQTempDestination* activemq::commands::ActiveMQTempDestination::cloneDataStructure ( ) const [inline, virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 315).

Reimplemented in **activemq::commands::ActiveMQTempQueue** (p. 608), and **activemq::commands::ActiveMQTempTopic** (p. 638).

6.78.2.2 virtual void activemq::commands::ActiveMQTempDestination::close ( ) throw (cms::CMSException) [virtual]

Closes down this Destination resulting in a call to dispose of the TempDestination resource at the Broker.

This should only be called when the user is certain that they are finished with this destination. The TempDestination is not closed automatically on shutdown. throws **cms::CMSException** (p. 1190)

Implements **cms::Closeable** (p. 1180).

6.78.2.3 virtual void activemq::commands::ActiveMQTempDestination::copyDataStructure (const DataStructure * *src*) [inline, virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 316).

Reimplemented in **activemq::commands::ActiveMQTempQueue** (p. 609), and **activemq::commands::ActiveMQTempTopic** (p. 639).

References activemq::commands::ActiveMQDestination::copyDataStructure().

6.78.2.4 virtual bool activemq::commands::ActiveMQTempDestination::equals (const DataStructure * *value*) const [inline, virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 317).

Reimplemented in **activemq::commands::ActiveMQTempQueue** (p. 609), and **activemq::commands::ActiveMQTempTopic** (p. 639).

References activemq::commands::ActiveMQDestination::equals().

6.78.2.5 virtual unsigned char activemq::commands::ActiveMQTempDestination::getDataStructureType ( ) const [virtual]

Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.

Returns

The type of the data structure

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 317).

Reimplemented in **activemq::commands::ActiveMQTempQueue** (p. 610), and **activemq::commands::ActiveMQTempTopic** (p. 640).

6.78.2.6 void activemq::commands::ActiveMQTempDestination::setConnection (core::ActiveMQConnection * *connection*) [inline]

Sets the Parent Connection that is notified when this destination is destroyed.

Parameters

connection	- The parent connection.

6.78.2.7 virtual std::string activemq::commands::ActiveMQTempDestination::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 321).

Reimplemented in **activemq::commands::ActiveMQTempQueue** (p. 611), and **activemq::commands::ActiveMQTempTopic** (p. 641).

6.78.3 Field Documentation

6.78.3.1 core::ActiveMQConnection* activemq::commands::ActiveMQTempDestination::connection [protected]

Connection that we call back on close to allow this resource to be cleaned up correctly at this end and at the Broker End.

6.78.3.2 const unsigned char activemq::commands::ActiveMQTempDestination::ID_ACTIVEMQTEMPDESTINATION = 0 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQTempDestination.h**

6.79 activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshall Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 582).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTempDes
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller:

Public Member Functions

- **ActiveMQTempDestinationMarshaller** ()

- virtual ~**ActiveMQTempDestinationMarshaller** ()

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.79.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 582). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.79.2 Constructor & Destructor Documentation

6.79.2.1 activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller::ActiveMQTempDestinationMarsh ( ) [inline]

6.79.2.2 virtual activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller::~ActiveMQTempDestinat ( ) [inline, virtual]

6.79.3 Member Function Documentation

6.79.3.1 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 325).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 613), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 643).

6.79.3.2 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 325).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 613), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 643).

6.79.3.3 virtual int activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 326).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 614), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 644).

6.79.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 326).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 614), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 644).

6.79.3.5 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 327).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 615), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 645).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQTempDestinationMarshaller.h**

6.80 activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 587).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTempDestinationM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller:

Public Member Functions

- **ActiveMQTempDestinationMarshaller** ()
- virtual ∼**ActiveMQTempDestinationMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.80.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 587). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.80.2 Constructor & Destructor Documentation

6.80.2.1 activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller::ActiveMQTempDestinationMarsh ( ) [inline]

6.80.2.2 virtual activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller::~ActiveMQTempDestinat ( ) [inline, virtual]

6.80.3 Member Function Documentation

6.80.3.1 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 329).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 617), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 651).

6.80.3.2 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 329).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 617), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 652).

6.80.3.3 virtual int activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 330).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 618), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 652).

6.80.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 330).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 618), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 653).

6.80.3.5 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 331).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 619), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 653).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQTempDestinationMarshaller.h**

6.81 activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 591).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTempDestinationM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller:

Public Member Functions

- **ActiveMQTempDestinationMarshaller** ()
- virtual ∼**ActiveMQTempDestinationMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.81.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 591). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.81.2 Constructor & Destructor Documentation

6.81.2.1 activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller::ActiveMQTempDestinationMarsh ( ) [inline]

6.81.2.2 virtual activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller::~ActiveMQTempDestinat ( ) [inline, virtual]

6.81.3 Member Function Documentation

6.81.3.1 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 333).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 621), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 647).

6.81.3.2 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 333).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 622), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 647).

6.81.3.3 virtual int activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 334).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 622), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 648).

6.81.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 334).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 623), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 648).

6.81.3.5 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 335).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 623), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 649).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQTempDestinationMarshaller.h**

6.82 activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 595).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTempDestinationM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller:

Public Member Functions

- **ActiveMQTempDestinationMarshaller** ()
- virtual ∼**ActiveMQTempDestinationMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.82.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 595). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.82.2 Constructor & Destructor Documentation

6.82.2.1 activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller::ActiveMQTempDestinationMarsh ( ) [inline]

6.82.2.2 virtual activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller::~ActiveMQTempDestinat ( ) [inline, virtual]

6.82.3 Member Function Documentation

6.82.3.1 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 337).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 625), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 655).

6.82.3.2 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 337).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 626), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 656).

6.82.3.3 virtual int activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 338).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 626), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 656).

6.82.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 338).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 627), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 657).

6.82.3.5 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 339).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 627), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 657).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQTempDestinationMarshaller.h**

6.83 activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 599).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTempDestinationM`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller:

Public Member Functions

- **ActiveMQTempDestinationMarshaller** ()
- virtual ∼**ActiveMQTempDestinationMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.83.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 599). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.83.2 Constructor & Destructor Documentation

6.83.2.1 activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller::ActiveMQTempDestinationMarsh ( ) [inline]

6.83.2.2 virtual activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller::~ActiveMQTempDestinat ( ) [inline, virtual]

6.83.3 Member Function Documentation

6.83.3.1 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 341).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 630), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 660).

6.83.3.2 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 341).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 630), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 660).

6.83.3.3 virtual int activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 342).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 631), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 661).

6.83.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 342).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 631), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 661).

6.83.3.5 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 343).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 632), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 662).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQTempDestinationMarshaller.h**

6.84 activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 603).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTempDestinationM`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller:

Public Member Functions

- **ActiveMQTempDestinationMarshaller** ()
- virtual ∼**ActiveMQTempDestinationMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.84.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 603). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.84.2 Constructor & Destructor Documentation

6.84.2.1 activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller::ActiveMQTempDestinationMarsh ( ) [inline]

6.84.2.2 virtual activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller::~ActiveMQTempDestinat ( ) [inline, virtual]

6.84.3 Member Function Documentation

6.84.3.1 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 345).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 634), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 664).

6.84.3.2 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 345).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 634), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 664).

6.84.3.3 virtual int activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 346).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 635), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 665).

6.84.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 346).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 635), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 665).

6.84.3.5 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 347).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 636), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 666).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQTempDestinationMarshaller.h**

6.85 activemq::commands::ActiveMQTempQueue Class Reference

```
#include <src/main/activemq/commands/ActiveMQTempQueue.h>
```

Inheritance diagram for activemq::commands::ActiveMQTempQueue:

Public Member Functions

- **ActiveMQTempQueue** ()
- **ActiveMQTempQueue** (const std::string &name)
- virtual ∼**ActiveMQTempQueue** ()
- virtual unsigned char **getDataStructureType** () const

  *Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.*

- virtual **ActiveMQTempQueue** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

  Converts the Destination Name into a String.

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **cms::Destination** ∗ **getCMSDestination** () const
- virtual **cms::Destination::DestinationType getDestinationType** () const

  Retrieve the Destination Type for this Destination.

- virtual **cms::Destination** ∗ **clone** () const

  Creates a new instance of this destination type that is a copy of this one, and returns it.

- virtual void **copy** (const **cms::Destination** &source)

  Copies the contents of the given Destinastion object to this one.

- virtual const **cms::CMSProperties** & **getCMSProperties** () const

  Retrieve any properties that might be part of the destination that was specified.

- virtual std::string **getQueueName** () const throw (cms::CMSException)

  Gets the name of this queue.

- virtual void **destroy** () throw (cms::CMSException)

  Destroy's the Temp Destination at the Broker.

Static Public Attributes

- static const unsigned char **ID_ACTIVEMQTEMPQUEUE** = 102

6.85.1 Constructor & Destructor Documentation

6.85.1.1 activemq::commands::ActiveMQTempQueue::ActiveMQTempQueue ( )

6.85.1.2 activemq::commands::ActiveMQTempQueue::ActiveMQTempQueue (const std::string & *name*)

6.85.1.3 virtual activemq::commands::ActiveMQTempQueue::~ActiveMQTempQueue ( ) [virtual]

6.85.2 Member Function Documentation

6.85.2.1 virtual cms::Destination* activemq::commands::ActiveMQTempQueue::clone ( ) const [inline, virtual]

Creates a new instance of this destination type that is a copy of this one, and returns it.

Returns

cloned copy of this object

Implements **cms::Destination** (p. 1778).

6.85.2.2 virtual ActiveMQTempQueue* activemq::commands::ActiveMQTempQueue::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::ActiveMQTempDestination** (p. 580).

6.85.2.3 virtual void activemq::commands::ActiveMQTempQueue::copy (const cms::Destination & *source*) [inline, virtual]

Copies the contents of the given Destinastion object to this one.

Parameters

source	The source Destination object.

Implements **cms::Destination** (p. 1778).

6.85.2.4 virtual void activemq::commands::ActiveMQTempQueue::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::ActiveMQTempDestination** (p. 580).

6.85.2.5 virtual void activemq::commands::ActiveMQTempQueue::destroy ( ) throw (cms::CMSException) [virtual]

Destroy's the Temp Destination at the Broker.

Exceptions

CMSException	

Implements **cms::TemporaryQueue** (p. 3872).

6.85.2.6 virtual bool activemq::commands::ActiveMQTempQueue::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::ActiveMQTempDestination** (p. 581).

6.85.2.7 virtual const cms::Destination* activemq::commands::ActiveMQTempQueue::getCMSDestination ( ) const [inline, virtual]

Returns

the **cms::Destination** (p. 1776) interface pointer that the objects that derive from this class implement.

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 317).

6.85.2.8 virtual const cms::CMSProperties& activemq::commands::ActiveMQTempQueue::getCMSProperties ( ) const [inline, virtual]

Retrieve any properties that might be part of the destination that was specified.

This is a deviation from the JMS spec but necessary due to C++ restrictions.

Returns

const reference to a properties object.

Implements **cms::Destination** (p. 1778).

6.85.2.9 virtual unsigned char activemq::commands::ActiveMQTempQueue::getDataStructureType ( ) const [virtual]

Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.

Returns

The type of the data structure

Reimplemented from **activemq::commands::ActiveMQTempDestination** (p. 581).

6.85.2.10 virtual cms::Destination::DestinationType activemq::commands::ActiveMQTempQueue::getDestinationType ( ) const [inline, virtual]

Retrieve the Destination Type for this Destination.

Returns

The Destination Type

Implements **activemq::commands::ActiveMQDestination** (p. 318).

References cms::Destination::TEMPORARY_QUEUE.

6.85.2.11 virtual std::string activemq::commands::ActiveMQTempQueue::getQueueName ( ) const throw (cms::CMSException) [inline, virtual]

Gets the name of this queue.

Returns

The queue name.

Implements **cms::TemporaryQueue** (p. 3872).

6.85.2.12 virtual std::string activemq::commands::ActiveMQTempQueue::toString ( ) const [virtual]

Converts the Destination Name into a String.

Returns

string name

Reimplemented from **activemq::commands::ActiveMQTempDestination** (p. 582).

6.85.3 Field Documentation

6.85.3.1 const unsigned char activemq::commands::ActiveMQTempQueue::ID_ACTIVEMQTEMPQUEUE = 102 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQTempQueue.h**

6.86 activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 611).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTempQueueMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller:

Public Member Functions

- **ActiveMQTempQueueMarshaller** ()
- virtual ∼**ActiveMQTempQueueMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.86.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 611).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.86.2 Constructor & Destructor Documentation

6.86.2.1 activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller::ActiveMQTempQueueMarshaller ( ) [inline]

6.86.2.2 virtual activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller::∼ActiveMQTempQueueMarsh ( ) [inline, virtual]

6.86.3 Member Function Documentation

6.86.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.86.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.86.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 584).

6.86.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshall** (p. 584).

6.86.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshall** (p. 585).

6.86.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshall** (p. 585).

6.86.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 586).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQTempQueueMarshaller.h**

6.87 activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 615).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTempQueueMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller:

Public Member Functions

- **ActiveMQTempQueueMarshaller** ()
- virtual ~**ActiveMQTempQueueMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.87.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 615).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.87.2 Constructor & Destructor Documentation

6.87.2.1 activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller::ActiveMQTempQueueMarshaller ( ) [inline]

6.87.2.2 virtual activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller::∼ActiveMQTempQueueMarsh ( ) [inline, virtual]

6.87.3 Member Function Documentation

6.87.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.87.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.87.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 588).

6.87.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshall** (p. 588).

6.87.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshall** (p. 589).

6.87.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 589).

6.87.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 590).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQTempQueueMarshaller.h**

6.88 activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 619).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTempQueueMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller:

Public Member Functions

- **ActiveMQTempQueueMarshaller** ()
- virtual ∼**ActiveMQTempQueueMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.88.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 619).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.88.2 Constructor & Destructor Documentation

6.88.2.1 activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller::ActiveMQTempQueueMarshaller ( ) [inline]

6.88.2.2 virtual activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller::~ActiveMQTempQueueMarshaller ( ) [inline, virtual]

6.88.3 Member Function Documentation

6.88.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.88.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.88.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshall**
(p. 592).

6.88.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshall**
(p. 592).

6.88.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 593).

6.88.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 593).

6.88.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 594).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQTempQueueMarshaller.h**

6.89 activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 624).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTempQue`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller:

Public Member Functions

- **ActiveMQTempQueueMarshaller** ()
- virtual ∼**ActiveMQTempQueueMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.89.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 624).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.89.2 Constructor & Destructor Documentation

6.89.2.1 activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller::ActiveMQTempQueueMarshaller ( ) [inline]

6.89.2.2 virtual activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller::~ActiveMQTempQueueMarshaller ( ) [inline, virtual]

6.89.3 Member Function Documentation

6.89.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.89.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.89.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshall** (p. 596).

6.89.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshall** (p. 596).

6.89.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 597).

6.89.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 597).

6.89.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshall** (p. 598).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQTempQueueMarshaller.h**

6.90 activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 628).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTempQue`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller:

Public Member Functions

- **ActiveMQTempQueueMarshaller** ()
- virtual ∼**ActiveMQTempQueueMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.90.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 628).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.90.2 Constructor & Destructor Documentation

6.90.2.1 activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller::ActiveMQTempQueueMarshaller ( ) [inline]

6.90.2.2 virtual activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller::∼ActiveMQTempQueueMarshaller ( ) [inline, virtual]

6.90.3 Member Function Documentation

6.90.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.90.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.90.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshall** (p. 600).

6.90.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshall** (p. 600).

6.90.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 601).

6.90.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 601).

6.90.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshall** (p. 602).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQTempQueueMarshaller.h**

6.91 activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 632).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTempQue
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller:

Public Member Functions

- **ActiveMQTempQueueMarshaller** ()
- virtual ~**ActiveMQTempQueueMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.91.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 632).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.91.2 Constructor & Destructor Documentation

6.91.2.1 activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller::ActiveMQTempQueueMarshaller ( ) [inline]

6.91.2.2 virtual activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller::∼ActiveMQTempQueueMarshaller ( ) [inline, virtual]

6.91.3 Member Function Documentation

6.91.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.91.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller::getDataStructur ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.91.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshall** (p. 604).

6.91.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 604).

6.91.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 605).

6.91.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshall** (p. 605).

6.91.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshall** (p. 606).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQTempQueueMarshaller.h**

6.92 activemq::commands::ActiveMQTempTopic Class Reference

`#include <src/main/activemq/commands/ActiveMQTempTopic.h>`

Inheritance diagram for activemq::commands::ActiveMQTempTopic:

Public Member Functions

- **ActiveMQTempTopic** ()
- **ActiveMQTempTopic** (const std::string &name)

- virtual ~**ActiveMQTempTopic** ()
- virtual unsigned char **getDataStructureType** () const

  *Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.*

- virtual **ActiveMQTempTopic** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

  Converts the Destination Name into a String.

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **cms::Destination** * **getCMSDestination** () const
- virtual **cms::Destination::DestinationType getDestinationType** () const

  Retrieve the Destination Type for this Destination.

- virtual **cms::Destination** * **clone** () const

  Creates a new instance of this destination type that is a copy of this one, and returns it.

- virtual void **copy** (const **cms::Destination** &source)

  Copies the contents of the given Destinastion object to this one.

- virtual const **cms::CMSProperties** & **getCMSProperties** () const

  Retrieve any properties that might be part of the destination that was specified.

- virtual std::string **getTopicName** () const throw (cms::CMSException)

  Gets the name of this topic.

- virtual void **destroy** () throw (cms::CMSException)

  Destroy's the Temp Destination at the Broker.

Static Public Attributes

- static const unsigned char **ID_ACTIVEMQTEMPTOPIC** = 103

6.92.1 Constructor & Destructor Documentation

6.92.1.1 activemq::commands::ActiveMQTempTopic::ActiveMQTempTopic ( )

6.92.1.2 activemq::commands::ActiveMQTempTopic::ActiveMQTempTopic (const std::string & *name*)

6.92.1.3 virtual activemq::commands::ActiveMQTempTopic::~ActiveMQTempTopic ( ) [virtual]

6.92.2 Member Function Documentation

6.92.2.1 virtual cms::Destination* activemq::commands::ActiveMQTempTopic::clone ( ) const [inline, virtual]

Creates a new instance of this destination type that is a copy of this one, and returns it.

Returns

cloned copy of this object

Implements **cms::Destination** (p. 1778).

6.92.2.2 virtual ActiveMQTempTopic* activemq::commands::ActiveMQTempTopic::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::ActiveMQTempDestination** (p. 580).

6.92.2.3 virtual void activemq::commands::ActiveMQTempTopic::copy (const cms::Destination & *source*) [inline, virtual]

Copies the contents of the given Destinastion object to this one.

Parameters

source	The source Destination object.

Implements **cms::Destination** (p. 1778).

6.92.2.4 virtual void activemq::commands::ActiveMQTempTopic::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::ActiveMQTempDestination** (p. 580).

6.92.2.5 virtual void activemq::commands::ActiveMQTempTopic::destroy ( ) throw (cms::CMSException) [virtual]

Destroy's the Temp Destination at the Broker.

Exceptions

CMSException	

Implements **cms::TemporaryTopic** (p. 3873).

6.92.2.6 virtual bool activemq::commands::ActiveMQTempTopic::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::ActiveMQTempDestination** (p. 581).

6.92.2.7 virtual const cms::Destination* activemq::commands::ActiveMQTempTopic::getCMSDestination ( ) const [inline, virtual]

Returns

the **cms::Destination** (p. 1776) interface pointer that the objects that derive from this class implement.

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 317).

6.92.2.8 virtual const cms::CMSProperties& activemq::commands::ActiveMQTempTopic::getCMSProperties ( ) const [inline, virtual]

Retrieve any properties that might be part of the destination that was specified.

This is a deviation from the JMS spec but necessary due to C++ restrictions.

Returns

const reference to a properties object.

Implements **cms::Destination** (p. 1778).

6.92.2.9 virtual unsigned char activemq::commands::ActiveMQTempTopic::getDataStructureType ( ) const [virtual]

Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.

Returns

The type of the data structure

Reimplemented from **activemq::commands::ActiveMQTempDestination** (p. 581).

6.92.2.10 virtual cms::Destination::DestinationType activemq::commands::ActiveMQTempTopic::getDestinationType ( ) const [inline, virtual]

Retrieve the Destination Type for this Destination.

Returns

The Destination Type

Implements **activemq::commands::ActiveMQDestination** (p. 318).

References cms::Destination::TEMPORARY_TOPIC.

6.92.2.11 virtual std::string activemq::commands::ActiveMQTempTopic::getTopicName ( ) const throw (cms::CMSException) [inline, virtual]

Gets the name of this topic.

Returns

The topic name.

Implements **cms::TemporaryTopic** (p. 3874).

6.92.2.12 virtual std::string activemq::commands::ActiveMQTempTopic::toString ( ) const [virtual]

Converts the Destination Name into a String.

Returns

string name

Reimplemented from **activemq::commands::ActiveMQTempDestination** (p. 582).

6.92.3 Field Documentation

6.92.3.1 const unsigned char activemq::commands::ActiveMQTempTopic::ID_-ACTIVEMQTEMPTOPIC = 103 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQTempTopic.h**

6.93 activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 641).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTempTopicMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller:

Public Member Functions

- **ActiveMQTempTopicMarshaller** ()
- virtual ∼**ActiveMQTempTopicMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.93.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 641).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.93.2 Constructor & Destructor Documentation

6.93.2.1 activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller::ActiveMQTempTopicMarshaller ( ) [inline]

6.93.2.2 virtual activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller::∼ActiveMQTempTopicMarshall ( ) [inline, virtual]

6.93.3 Member Function Documentation

6.93.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.93.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.93.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 584).

6.93.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshall** (p. 584).

6.93.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshall** (p. 585).

6.93.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshall** (p. 585).

6.93.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 586).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQTempTopicMarshaller.h**

6.94 activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 645).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTempTopicMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller:

Public Member Functions

- **ActiveMQTempTopicMarshaller** ()
- virtual ~**ActiveMQTempTopicMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.94.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 645).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.94.2 Constructor & Destructor Documentation

6.94.2.1 activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller::ActiveMQTempTopicMarshaller ( ) [inline]

6.94.2.2 virtual activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller::∼ActiveMQTempTopicMarshall ( ) [inline, virtual]

6.94.3 Member Function Documentation

6.94.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.94.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.94.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 592).

6.94.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshall** (p. 592).

6.94.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshall** (p. 593).

6.94.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 593).

6.94.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 594).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQTempTopicMarshaller.h**

6.95 activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 649).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTempTopicMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller:

Public Member Functions

- **ActiveMQTempTopicMarshaller** ()
- virtual ~**ActiveMQTempTopicMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.95.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 649).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.95.2 Constructor & Destructor Documentation

6.95.2.1 activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller::ActiveMQTempTopicMarshaller ( ) [inline]

6.95.2.2 virtual activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller::~ActiveMQTempTopicMarshaller ( ) [inline, virtual]

6.95.3 Member Function Documentation

6.95.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.95.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.95.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshall**
(p. 588).

6.95.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshall**
(p. 588).

6.95.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 589).

6.95.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 589).

6.95.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 590).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQTempTopicMarshaller.h**

6.96 activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 654).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTempTop`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller:

Public Member Functions

- **ActiveMQTempTopicMarshaller** ()
- virtual ∼**ActiveMQTempTopicMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.96.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 654).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.96.2 Constructor & Destructor Documentation

6.96.2.1 activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller::ActiveMQTempTopicMarshaller ( ) [inline]

6.96.2.2 virtual activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller::~ActiveMQTempTopicMarshaller ( ) [inline, virtual]

6.96.3 Member Function Documentation

6.96.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.96.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.96.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshall** (p. 596).

6.96.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshall** (p. 596).

6.96.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 597).

6.96.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 597).

6.96.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshall** (p. 598).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQTempTopicMarshaller.h**

6.97 activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 658).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTempTop`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller:

Public Member Functions

- **ActiveMQTempTopicMarshaller** ()
- virtual ∼**ActiveMQTempTopicMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.97.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 658).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.97.2 Constructor & Destructor Documentation

6.97.2.1 activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller::ActiveMQTempTopicMarshaller ( ) [inline]

6.97.2.2 virtual activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller::∼ActiveMQTempTopicMarshaller ( ) [inline, virtual]

6.97.3 Member Function Documentation

6.97.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.97.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.97.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshall** (p. 600).

6.97.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshall** (p. 600).

6.97.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 601).

6.97.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 601).

6.97.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshall** (p. 602).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQTempTopicMarshaller.h**

6.98 activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 662).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTempTop
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller:

Public Member Functions

- **ActiveMQTempTopicMarshaller** ()
- virtual ~**ActiveMQTempTopicMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.98.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 662).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.98.2 Constructor & Destructor Documentation

6.98.2.1 activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller::ActiveMQTempTopicMarshaller ( ) [inline]

6.98.2.2 virtual activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller::∼ActiveMQTempTopicMarshaller ( ) [inline, virtual]

6.98.3 Member Function Documentation

6.98.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.98.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller::getDataStructure ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.98.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshall** (p. 604).

6.98.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 604).

6.98.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 605).

6.98.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink

bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshall** (p. 605).

6.98.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshall** (p. 606).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQTempTopicMarshaller.h**

6.99 activemq::commands::ActiveMQTextMessage Class Reference

`#include <src/main/activemq/commands/ActiveMQTextMessage.h>`

Inheritance diagram for activemq::commands::ActiveMQTextMessage:

Public Member Functions

- **ActiveMQTextMessage** ()
- virtual ~**ActiveMQTextMessage** ()

- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ActiveMQTextMessage** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual void **clearBody** () throw (cms::CMSException)

  Clears out the body of the message.

- virtual void **beforeMarshal** (**wireformat::WireFormat** ∗wireFormat) throw (decaf::io::IOException)

  *Performs any cleanup or other tasks that must be done before the **Message*** (p. *2596) is marshalled to its binary WireFormat version.*

- virtual unsigned int **getSize** () const

  Returns the Size of this message in Bytes.

- virtual **cms::TextMessage** ∗ **clone** () const

  Clone this message exactly, returns a new instance that the caller is required to delete.

- virtual std::string **getText** () const throw (cms::CMSException)

  Gets the message character buffer.

- virtual void **setText** (const char ∗msg) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets the message contents, does not take ownership of the passed char∗, but copies it instead.

- virtual void **setText** (const std::string &msg) throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets the message contents.

Data Fields

- std::auto_ptr< std::string > **text**

Static Public Attributes

- static const unsigned char **ID_ACTIVEMQTEXTMESSAGE** = 28

6.99.1 Constructor & Destructor Documentation

6.99.1.1 activemq::commands::ActiveMQTextMessage::ActiveMQTextMessage ( )

6.99.1.2 virtual activemq::commands::ActiveMQTextMessage::~ActiveMQTextMessage ( ) [virtual]

6.99.2 Member Function Documentation

6.99.2.1 virtual void activemq::commands::ActiveMQTextMessage::beforeMarshal (wireformat::WireFormat * *wireFormat*) throw (decaf::io::IOException) [virtual]

Performs any cleanup or other tasks that must be done before the **Message** (p. 2596) is marshalled to its binary WireFormat version.

Parameters

wireFormat	the WireFormat instance that is marshalling this message.

Implements **activemq::wireformat::MarshalAware** (p. 2565).

6.99.2.2 virtual void activemq::commands::ActiveMQTextMessage::clearBody ( ) throw (cms::CMSException) [virtual]

Clears out the body of the message.

This does not clear the headers or properties.

Reimplemented from **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 422).

6.99.2.3 virtual cms::TextMessage* activemq::commands::ActiveMQTextMessage::clone ( ) const [inline, virtual]

Clone this message exactly, returns a new instance that the caller is required to delete.

Returns

new copy of this message

Implements **cms::Message** (p. 2620).

6.99.2.4 virtual ActiveMQTextMessage* activemq::commands::ActiveMQTextMessage::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::Message** (p. 2601).

6.99.2.5 virtual void activemq::commands::ActiveMQTextMessage::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::Message** (p. 2602).

6.99.2.6 virtual bool activemq::commands::ActiveMQTextMessage::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 423).

6.99.2.7 virtual unsigned char activemq::commands::ActiveMQTextMessage::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::Message** (p. 2604).

6.99.2.8 virtual unsigned int activemq::commands::ActiveMQTextMessage::getSize ( ) const [virtual]

Returns the Size of this message in Bytes.

Returns

number of bytes this message equates to.

Reimplemented from **activemq::commands::Message** (p. 2606).

6.99.2.9 virtual std::string activemq::commands::ActiveMQTextMessage::getText ( ) const throw (cms::CMSException) [virtual]

Gets the message character buffer.

Returns

The message character buffer.

Exceptions

CMSException	- if an internal error occurs.

Implements **cms::TextMessage** (p. 3875).

6.99.2.10 virtual void activemq::commands::ActiveMQTextMessage::setText (const std::string & *msg*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Sets the message contents.

Parameters

msg	The message buffer.

Exceptions

CMSException	- if an internal error occurs.
MessageNotWriteableException	- if the message is in read-only mode..

Implements **cms::TextMessage** (p. 3875).

6.99.2.11 virtual void activemq::commands::ActiveMQTextMessage::setText (const char * *msg*) throw (cms::MessageNotWriteableException, cms::CMSException) [virtual]

Sets the message contents, does not take ownership of the passed char*, but copies it instead.

Parameters

msg	The message buffer.

Exceptions

CMSException	- if an internal error occurs.
MessageNotWriteableException	- if the message is in read-only mode..

Implements **cms::TextMessage** (p. 3876).

6.99.2.12 virtual std::string activemq::commands::ActiveMQTextMessage::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::Message** (p. 2611).

6.99.3 Field Documentation

6.99.3.1 const unsigned char activemq::commands::ActiveMQTextMessage::ID_ACTIVEMQTEXTMESSAGE = 28 [static]

6.99.3.2 std::auto_ptr<std::string> activemq::commands::ActiveMQTextMessage::text [mutable]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQTextMessage.h**

6.100 activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 671).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTextMes
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller:

Public Member Functions

- **ActiveMQTextMessageMarshaller** ()
- virtual ∼**ActiveMQTextMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.100.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 671).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.100.2 Constructor & Destructor Documentation

6.100.2.1 activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller::ActiveMQTextMessageMarshaller ( ) [inline]

6.100.2.2 virtual activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller::~ActiveMQTextMessageMarshaller ( ) [inline, virtual]

6.100.3 Member Function Documentation

6.100.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.100.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.100.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.100.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786).

6.100.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2787).

6.100.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

6.100.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQTextMessageMarshaller.h**

6.101 activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 676).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTextMes`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller:

Public Member Functions

- **ActiveMQTextMessageMarshaller** ()
- virtual ∼**ActiveMQTextMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.101.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 676).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.101.2 Constructor & Destructor Documentation

6.101.2.1 activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller::ActiveMQTextMessageMarshaller ( ) [inline]

6.101.2.2 virtual activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller::~ActiveMQTextMessageMarshaller ( ) [inline, virtual]

6.101.3 Member Function Documentation

6.101.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.101.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.101.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.101.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795).

6.101.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2796).

6.101.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

6.101.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQTextMessageMarshaller.h**

6.102 activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 680).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTextMes
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller:

Public Member Functions

- **ActiveMQTextMessageMarshaller** ()
- virtual ∼**ActiveMQTextMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.102.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 680).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.102.2 Constructor & Destructor Documentation

6.102.2.1 activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller::ActiveMQTextMessageMarshaller ( ) [inline]

6.102.2.2 virtual activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller::∼ActiveMQTextMessageMarshaller ( ) [inline, virtual]

6.102.3 Member Function Documentation

6.102.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.102.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.102.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2799).

6.102.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.102.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800).

6.102.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2801).

6.102.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2802).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQTextMessageMarshaller.h**

6.103 activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 684).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTextMes
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller:

Public Member Functions

- **ActiveMQTextMessageMarshaller** ()
- virtual ~**ActiveMQTextMessageMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.103.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 684).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.103.2 Constructor & Destructor Documentation

6.103.2.1 activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller::ActiveMQTextMessageMarshaller ( ) [inline]

6.103.2.2 virtual activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller::∼ActiveMQTextMessageMarshaller ( ) [inline, virtual]

6.103.3 Member Function Documentation

6.103.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.103.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller::getDataStruc ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.103.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2781).

6.103.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2782).

6.103.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.103.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783).

6.103.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQTextMessageMarshaller.h**

6.104 activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 688).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTextMes
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller:

Public Member Functions

- **ActiveMQTextMessageMarshaller** ()
- virtual ∼**ActiveMQTextMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.104.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 688).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.104.2 Constructor & Destructor Documentation

6.104.2.1 activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller::ActiveMQTextMessageMarshaller ( ) [inline]

6.104.2.2 virtual activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller::~ActiveMQTextMessageMa ( ) [inline, virtual]

6.104.3 Member Function Documentation

6.104.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.104.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller::getDataStruc ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.104.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.104.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804).

6.104.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2805).

6.104.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

6.104.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQTextMessageMarshaller.h**

6.105 activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 693).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTextMessageMarsh`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller:

Public Member Functions

- **ActiveMQTextMessageMarshaller** ()
- virtual ∼**ActiveMQTextMessageMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.105.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 693).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.105.2 Constructor & Destructor Documentation

6.105.2.1 activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller::ActiveMQTextMessageMarshaller ( ) [inline]

6.105.2.2 virtual activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller::~ActiveMQTextMessageMa ( ) [inline, virtual]

6.105.3 Member Function Documentation

6.105.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.105.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller::getDataStruc ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.105.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2790).

6.105.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.105.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791).

6.105.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2792).

6.105.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2793).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQTextMessageMarshaller.h**

6.106 activemq::commands::ActiveMQTopic Class Reference

`#include <src/main/activemq/commands/ActiveMQTopic.h>`

Inheritance diagram for activemq::commands::ActiveMQTopic:

Public Member Functions

- **ActiveMQTopic** ()
- **ActiveMQTopic** (const std::string &name)
- virtual ∼**ActiveMQTopic** ()
- virtual unsigned char **getDataStructureType** () const

  *Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.*

- virtual **ActiveMQTopic** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **cms::Destination** ∗ **getCMSDestination** () const
- virtual **cms::Destination::DestinationType getDestinationType** () const

  Retrieve the Destination Type for this Destination.

- virtual **cms::Destination** ∗ **clone** () const

  Creates a new instance of this destination type that is a copy of this one, and returns it.

- virtual void **copy** (const **cms::Destination** &source)

  Copies the contents of the given Destination object to this one.

- virtual const **cms::CMSProperties** & **getCMSProperties** () const

  Retrieve any properties that might be part of the destination that was specified.

- virtual std::string **getTopicName** () const throw (cms::CMSException)

  Gets the name of this topic.

Static Public Attributes

- static const unsigned char **ID_ACTIVEMQTOPIC** = 101

6.106.1 Constructor & Destructor Documentation

6.106.1.1 activemq::commands::ActiveMQTopic::ActiveMQTopic ( )

6.106.1.2 activemq::commands::ActiveMQTopic::ActiveMQTopic (const std::string & *name*)

6.106.1.3 virtual activemq::commands::ActiveMQTopic::∼ActiveMQTopic ( ) [virtual]

6.106.2 Member Function Documentation

6.106.2.1 virtual cms::Destination∗ activemq::commands::ActiveMQTopic::clone ( ) const [inline, virtual]

Creates a new instance of this destination type that is a copy of this one, and returns it.

Returns

cloned copy of this object

Implements **cms::Destination** (p. 1778).

6.106.2.2 virtual ActiveMQTopic∗ activemq::commands::ActiveMQTopic::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 315).

6.106.2.3 virtual void activemq::commands::ActiveMQTopic::copy (const cms::Destination & *source*) [inline, virtual]

Copies the contents of the given Destination object to this one.

Parameters

source	The source Destination object.

Implements **cms::Destination** (p. 1778).

6.106.2.4 virtual void activemq::commands::ActiveMQTopic::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 316).

6.106.2.5 virtual bool activemq::commands::ActiveMQTopic::equals (const DataStructure * *value*) const [inline, virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 317).

References activemq::commands::ActiveMQDestination::equals().

6.106.2.6 virtual const cms::Destination* activemq::commands::ActiveMQTopic::getCMSDestination ( ) const [inline, virtual]

Returns

the **cms::Destination** (p. 1776) interface pointer that the objects that derive from this class implement.

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 317).

6.106.2.7 virtual const cms::CMSProperties& activemq::commands::ActiveMQTopic::getCMSProperties ( ) const [inline, virtual]

Retrieve any properties that might be part of the destination that was specified.

This is a deviation from the JMS spec but necessary due to C++ restrictions.

Returns

const reference to a properties object.

Implements **cms::Destination** (p. 1778).

6.106.2.8 virtual unsigned char activemq::commands::ActiveMQTopic::getDataStructureType ( ) const [virtual]

Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.

Returns

The type of the data structure

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 317).

6.106.2.9 virtual cms::Destination::DestinationType activemq::commands::ActiveMQTopic::getDestinationType ( ) const [inline, virtual]

Retrieve the Destination Type for this Destination.

Returns

The Destination Type

Implements **activemq::commands::ActiveMQDestination** (p. 318).

References cms::Destination::TOPIC.

6.106.2.10 virtual std::string activemq::commands::ActiveMQTopic::getTopicName ( ) const throw (cms::CMSException) [inline, virtual]

Gets the name of this topic.

Returns

The topic name.

Implements **cms::Topic** (p. 3931).

6.106.2.11 virtual std::string activemq::commands::ActiveMQTopic::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::ActiveMQDestination** (p. 321).

6.106.3 Field Documentation

6.106.3.1 const unsigned char activemq::commands::ActiveMQTopic::ID_-ACTIVEMQTOPIC = 101 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ActiveMQTopic.h**

6.107 activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 701).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTopicMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller:

Public Member Functions

- **ActiveMQTopicMarshaller** ()
- virtual ∼**ActiveMQTopicMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.107.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 701). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.107.2 Constructor & Destructor Documentation

6.107.2.1 activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller::ActiveMQTopicMarshaller ( ) [inline]

6.107.2.2 virtual activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller::∼ActiveMQTopicMarshaller ( ) [inline, virtual]

6.107.3 Member Function Documentation

6.107.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.107.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.107.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 325).

6.107.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 325).

6.107.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 326).

6.107.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 326).

6.107.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 327).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ActiveMQTopicMarshaller.h**

6.108 activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 705).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTopicMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller:

Public Member Functions

- **ActiveMQTopicMarshaller** ()

- virtual ~**ActiveMQTopicMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.108.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 705). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.108.2 Constructor & Destructor Documentation

6.108.2.1 activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller::ActiveMQTopicMarshaller ( ) [inline]

6.108.2.2 virtual activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller::~ActiveMQTopicMarshaller ( ) [inline, virtual]

6.108.3 Member Function Documentation

6.108.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.108.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.108.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 333).

6.108.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 333).

6.108.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 334).

6.108.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 334).

6.108.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 335).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ActiveMQTopicMarshaller.h**

6.109 activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 710).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTopicMa`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller:

Public Member Functions

- **ActiveMQTopicMarshaller** ()
- virtual ∼**ActiveMQTopicMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.109.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 710). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.109.2 Constructor & Destructor Documentation

6.109.2.1 activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller::ActiveMQTopicMarshaller ( ) [inline]

6.109.2.2 virtual activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller::~ActiveMQTopicMarshaller ( ) [inline, virtual]

6.109.3 Member Function Documentation

6.109.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.109.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.109.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 329).

6.109.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 329).

6.109.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 330).

6.109.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 330).

6.109.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 331).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ActiveMQTopicMarshaller.h**

6.110 activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 714).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTopicMa`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller:

Public Member Functions

- **ActiveMQTopicMarshaller** ()
- virtual ∼**ActiveMQTopicMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.110.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 714). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.110.2 Constructor & Destructor Documentation

6.110.2.1 activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller::ActiveMQTopicMarshaller ( ) [inline]

6.110.2.2 virtual activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller::∼ActiveMQTopicMarshaller ( ) [inline, virtual]

6.110.3 Member Function Documentation

6.110.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.110.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.110.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 337).

6.110.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 337).

6.110.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 338).

6.110.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 338).

6.110.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 339).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ActiveMQTopicMarshaller.h**

6.111 activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 718).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTopicMa
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller:

Public Member Functions

- **ActiveMQTopicMarshaller** ()
- virtual ~**ActiveMQTopicMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.111.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 718). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.111.2 Constructor & Destructor Documentation

6.111.2.1 activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller::ActiveMQTopicMarshaller ( ) [inline]

6.111.2.2 virtual activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller::∼ActiveMQTopicMarshaller ( ) [inline, virtual]

6.111.3 Member Function Documentation

6.111.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.111.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.111.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 345).

6.111.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 345).

6.111.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 346).

6.111.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 346).

6.111.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) `[virtual]`

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 347).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ActiveMQTopicMarshaller.h**

6.112 activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller Class Reference

Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 722).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTopicMa`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller:

Public Member Functions

- **ActiveMQTopicMarshaller** ()
- virtual ∼**ActiveMQTopicMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.112.1 Detailed Description

Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 722). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.112.2 Constructor & Destructor Documentation

6.112.2.1 activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller::ActiveMQTopicMarshaller ( ) [inline]

6.112.2.2 virtual activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller::~ActiveMQTopicMarshaller ( ) [inline, virtual]

6.112.3 Member Function Documentation

6.112.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.112.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.112.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 341).

6.112.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 341).

6.112.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 342).

6.112.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 342).

6.112.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 343).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ActiveMQTopicMarshaller.h**

6.113 activemq::core::ActiveMQTransactionContext Class Reference

Transaction Management class, hold messages that are to be redelivered upon a request to roll-back.

`#include <src/main/activemq/core/ActiveMQTransactionContext.h>`

Public Member Functions

- **ActiveMQTransactionContext** (**ActiveMQSession** ∗session, const **decaf::util::Properties** &properties)

  Constructor.

- virtual ∼**ActiveMQTransactionContext** ()
- virtual void **addSynchronization** (const **Pointer**< **Synchronization** > &sync)

  *Adds a **Synchronization** (p. 3826) to this Transaction.*

- virtual void **removeSynchronization** (const **Pointer**< **Synchronization** > &sync)

  *Removes a **Synchronization** (p. 3826) to this Transaction.*

- virtual void **begin** () throw (exceptions::ActiveMQException)

  Begins a new transaction if one is not currently in progress.

- virtual void **commit** () throw (exceptions::ActiveMQException)

  Commit the current Transaction.

- virtual void **rollback** () throw (exceptions::ActiveMQException)

  Rollback the current Transaction.

- virtual const **decaf::lang::Pointer**< **commands::TransactionId** > & **getTransactionId** () const

  Get the Transaction Id object for the current Transaction, returns NULL if no transaction is running.

- virtual bool **isInTransaction** () const

  Checks to see if there is currently a Transaction in progress returns false if not, true otherwise.

6.113.1 Detailed Description

Transaction Management class, hold messages that are to be redelivered upon a request to roll-back. The Transaction represents an always running transaction, when it is committed or rolled back it silently creates a new transaction for the next set of messages. The only way to permanently end this transaction is to delete it.

Since

2.0

6.113.2 Constructor & Destructor Documentation

6.113.2.1 activemq::core::ActiveMQTransactionContext::ActiveMQTransactionContext (ActiveMQSession * *session,* const decaf::util::Properties & *properties*)

Constructor.

Parameters

session	The session that contains this transaction
properties	Configuration parameters for this object

6.113.2.2 virtual activemq::core::ActiveMQTransactionContext::~ActiveMQTransactionContext ( ) [virtual]

6.113.3 Member Function Documentation

6.113.3.1 virtual void activemq::core::ActiveMQTransactionContext::addSynchronization (const Pointer< Synchronization > & *sync*) [virtual]

Adds a **Synchronization** (p. 3826) to this Transaction.

Parameters

sync	- The **Synchronization** (p. 3826) instance to add.

6.113.3.2 virtual void activemq::core::ActiveMQTransactionContext::begin ( ) throw (exceptions::ActiveMQException) [virtual]

Begins a new transaction if one is not currently in progress.

Exceptions

ActiveMQException	

6.113.3.3 virtual void activemq::core::ActiveMQTransactionContext::commit ( ) throw (exceptions::ActiveMQException) [virtual]

Commit the current Transaction.

Exceptions

ActiveMQException	

6.113.3.4 virtual const decaf::lang::Pointer<commands::TransactionId>& activemq::core::ActiveMQTransactionContext::getTransactionId ( ) const [virtual]

Get the Transaction Id object for the current Transaction, returns NULL if no transaction is running.

Returns

TransactionInfo

Exceptions

InvalidStateException	if a Transaction is not in progress.

6.113.3.5 virtual bool activemq::core::ActiveMQTransactionContext::isInTransaction ( ) const [virtual]

Checks to see if there is currently a Transaction in progress returns false if not, true otherwise.

Returns

true if a transaction is in progress.

6.113.3.6 virtual void activemq::core::ActiveMQTransactionContext::removeSynchronization (const Pointer< Synchronization > & *sync*) [virtual]

Removes a **Synchronization** (p. 3826) to this Transaction.

Parameters

sync	- The **Synchronization** (p. 3826) instance to add.

6.113.3.7 virtual void activemq::core::ActiveMQTransactionContext::rollback ( ) throw (exceptions::ActiveMQException) [virtual]

Rollback the current Transaction.

Exceptions

ActiveMQException	

The documentation for this class was generated from the following file:

- src/main/activemq/core/**ActiveMQTransactionContext.h**

6.114 decaf::util::zip::Adler32 Class Reference

Clas that can be used to compute an Adler-32 **Checksum** (p. 1174) for a data stream.

`#include <src/main/decaf/util/zip/Adler32.h>`

Inheritance diagram for decaf::util::zip::Adler32:

Public Member Functions

- **Adler32** ()
- virtual ~**Adler32** ()
- virtual long long **getValue** () const
- virtual void **reset** ()

  Reset the checksum to its initial value.

- virtual void **update** (const std::vector< unsigned char > &buffer)

  Updates the current checksum with the specified vector of bytes.

- virtual void **update** (const std::vector< unsigned char > &buffer, int offset, int length) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Updates the current checksum with the specified array of bytes.

- virtual void **update** (const unsigned char *buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsExcep)

  Updates the current checksum with the specified array of bytes.

- virtual void **update** (int byte)

  Updates the current checksum with the specified byte value.

6.114.1 Detailed Description

Clas that can be used to compute an Adler-32 **Checksum** (p. 1174) for a data stream. The Alder-32 checksum trades reliability for speed over the CRC-32 algorithm.

Since

1.0

6.114.2 Constructor & Destructor Documentation

6.114.2.1 decaf::util::zip::Adler32::Adler32 ( )

6.114.2.2 virtual decaf::util::zip::Adler32::~Adler32 ( ) [virtual]

6.114.3 Member Function Documentation

6.114.3.1 virtual long long decaf::util::zip::Adler32::getValue ( ) const [virtual]

Returns

the current checksum value.

Implements **decaf::util::zip::Checksum** (p. 1175).

6.114.3.2 virtual void decaf::util::zip::Adler32::reset ( ) [virtual]

Reset the checksum to its initial value.

Implements **decaf::util::zip::Checksum** (p. 1175).

6.114.3.3 virtual void decaf::util::zip::Adler32::update (const unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (**decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) [virtual]

Updates the current checksum with the specified array of bytes.

Parameters

buffer	The buffer to read the updated bytes from.
size	The size of the passed buffer.
offset	The position in the buffer to start reading.
length	The amount of data to read from the byte buffer.

Exceptions

NullPointerException	if the passed buffer is NULL.

IndexOutOfBoundsException	if offset + length > size of the buffer.

Implements **decaf::util::zip::Checksum** (p. 1175).

6.114.3.4 virtual void decaf::util::zip::Adler32::update (const std::vector< unsigned char > & *buffer*, int *offset*, int *length*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Updates the current checksum with the specified array of bytes.

Parameters

buffer	The buffer to read the updated bytes from.
offset	The position in the buffer to start reading.
length	The amount of data to read from the byte buffer.

Exceptions

IndexOutOfBoundsException	if offset + length > size of the buffer.

Implements **decaf::util::zip::Checksum** (p. 1176).

6.114.3.5 virtual void decaf::util::zip::Adler32::update (const std::vector< unsigned char > & *buffer*) [virtual]

Updates the current checksum with the specified vector of bytes.

Parameters

buffer	The buffer to read the updated bytes from.

Implements **decaf::util::zip::Checksum** (p. 1176).

6.114.3.6 virtual void decaf::util::zip::Adler32::update (int *byte*) [virtual]

Updates the current checksum with the specified byte value.

Parameters

byte	The byte value to update the current **Checksum** (p. 1174) with (0..255).

Implements **decaf::util::zip::Checksum** (p. 1176).

The documentation for this class was generated from the following file:

- src/main/decaf/util/zip/**Adler32.h**

6.115 decaf::lang::Appendable Class Reference

An object to which char sequences and values can be appended.

`#include <src/main/decaf/lang/Appendable.h>`

Inheritance diagram for decaf::lang::Appendable:

Public Member Functions

- virtual ~**Appendable** ()
- virtual **Appendable** & **append** (char value)=0 throw (decaf::lang::Exception)

  *Appends the specified character to this **Appendable** (p. 733).*

- virtual **Appendable** & **append** (const **CharSequence** *csq)=0 throw (decaf::lang::Exception)

  *Appends the specified character sequence to this **Appendable** (p. 733).*

- virtual **Appendable** & **append** (const **CharSequence** *csq, int start, int end)=0 throw (decaf::lang::Exception)

  *Appends a subsequence of the specified character sequence to this **Appendable** (p. 733).*

6.115.1 Detailed Description

An object to which char sequences and values can be appended. The **Appendable** (p. 733) interface must be implemented by any class whose instances are intended to receive formatted output from a Formatter.

TODO The characters to be appended should be valid Unicode characters as described in Unicode **Character** (p. 1126) Representation. Note that supplementary characters may be composed of multiple 16-bit char values.

Appendables are not necessarily safe for multithreaded access. **Thread** (p. 3876) safety is the responsibility of classes that extend and implement this interface.

Since this interface may be implemented by existing classes with different styles of error handling there is no guarantee that errors will be propagated to the invoker.

Since

1.0

6.115.2 Constructor & Destructor Documentation

6.115.2.1 virtual decaf::lang::Appendable::~Appendable ( ) [inline, virtual]

6.115.3 Member Function Documentation

6.115.3.1 virtual Appendable& decaf::lang::Appendable::append (char *value*) throw (decaf::lang::Exception) [pure virtual]

Appends the specified character to this **Appendable** (p. 733).

Parameters

value	The character to append.

Returns

a Reference to this **Appendable** (p. 733)

Exceptions

Exception *(p. 1886)*	if an error occurs.

Implemented in **decaf::io::Writer** (p. 4135), and **decaf::nio::CharBuffer** (p. 1153).

6.115.3.2 virtual Appendable& decaf::lang::Appendable::append (const CharSequence * *csq*, int *start*, int *end*) throw (decaf::lang::Exception) [pure virtual]

Appends a subsequence of the specified character sequence to this **Appendable** (p. 733).

Parameters

csq	- The character sequence from which a subsequence will be appended. If csq is NULL, then characters will be appended as if csq contained the string "null".
start	The index of the first character in the subsequence.
end	The index of the character following the last character in the subsequence.

Returns

a Reference to this **Appendable** (p. 733)

Exceptions

Exception *(p. 1886)*	if an error occurs.
IndexOutOfBoundsException	start is greater than end, or end is greater than csq.length()

Implemented in **decaf::io::Writer** (p. 4136), and **decaf::nio::CharBuffer** (p. 1153).

6.115.3.3 virtual Appendable& decaf::lang::Appendable::append (const CharSequence * *csq*) throw (decaf::lang::Exception) [pure virtual]

Appends the specified character sequence to this **Appendable** (p. 733).

Parameters

csq	The character sequence from which a subsequence will be appended. If csq is NULL, then characters will be appended as if csq contained the string "null".

Returns

a Reference to this **Appendable** (p. 733).

Exceptions

Exception *(p. 1886)*	if an error occurs.

Implemented in **decaf::io::Writer** (p. 4136), and **decaf::nio::CharBuffer** (p. 1154).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Appendable.h**

6.116 decaf::internal::AprPool Class Reference

Wraps an APR pool object so that classes in decaf can create a static member for use in static methods where apr function calls that need a pool are made.

`#include <src/main/decaf/internal/AprPool.h>`

Public Member Functions

- **AprPool** ()
- virtual ~**AprPool** ()
- apr_pool_t * **getAprPool** () const

  Gets the internal APR Pool.

- void **cleanup** ()

  Clears data that was allocated by this pool.

Static Public Member Functions

- static apr_pool_t * **getGlobalPool** ()

  Gets a pointer to the Global APR Pool used for the Application.

6.116.1 Detailed Description

Wraps an APR pool object so that classes in decaf can create a static member for use in static methods where apr function calls that need a pool are made.

6.116.2 Constructor & Destructor Documentation

6.116.2.1 decaf::internal::AprPool::AprPool ( )

6.116.2.2 virtual decaf::internal::AprPool::∼AprPool ( ) [virtual]

6.116.3 Member Function Documentation

6.116.3.1 void decaf::internal::AprPool::cleanup ( )

Clears data that was allocated by this pool.

Users should call this after getting the data from the APR functions and copying it to someplace safe.

6.116.3.2 apr_pool_t∗ decaf::internal::AprPool::getAprPool ( ) const

Gets the internal APR Pool.

Returns

the internal APR pool

6.116.3.3 static apr_pool_t∗ decaf::internal::AprPool::getGlobalPool ( ) [static]

Gets a pointer to the Global APR Pool used for the Application.

Returns

pointer to the global APR Pool

The documentation for this class was generated from the following file:

- src/main/decaf/internal/**AprPool.h**

6.117 decaf::lang::ArrayPointer< T, REFCOUNTER > Class Template Reference

Decaf's implementation of a Smart **Pointer** (p. 3032) that is a template on a Type and is **Thread** (p. 3876) Safe if the default Reference Counter is used.

```
#include <src/main/decaf/lang/ArrayPointer.h>
```

Data Structures

- struct **ArrayData**

Public Types

- typedef T ∗ **PointerType**
- typedef T & **ReferenceType**
- typedef const T & **ConstReferenceType**
- typedef REFCOUNTER **CounterType**

Public Member Functions

- **ArrayPointer** ()

  Default Constructor.

- **ArrayPointer** (int size)

  *Create a new **ArrayPointer** (p. 736) instance and allocates an internal array that is sized using the passed in size value.*

- **ArrayPointer** (const **PointerType** value, int size)

  *Explicit Constructor, creates an **ArrayPointer** (p. 736) that contains value with a single reference.*

- **ArrayPointer** (const **ArrayPointer** &value) throw ()

  Copy constructor.

- virtual ∼**ArrayPointer** () throw ()
- void **reset** (T ∗value, int size=0)

  *Resets the **ArrayPointer** (p. 736) to hold the new value.*

- T ∗ **release** ()

  *Releases the **Pointer** (p. 3032) held and resets the internal pointer value to Null.*

- **PointerType get** () const

  *Gets the real array pointer that is contained within this **Pointer** (p. 3032).*

- int **length** () const

  Returns the current size of the contained array or zero if the array is NULL.

- void **swap** (**ArrayPointer** &value) throw ()

  ***Exception** (p. 1886) Safe Swap Function.*

- **ArrayPointer clone** () const

  *Creates a new **ArrayPointer** (p. 736) instance that is a clone of the value contained in this **ArrayPointer** (p. 736).*

- **ArrayPointer** & **operator=** (const **ArrayPointer** &right) throw ()

  *Assigns the value of right to this **Pointer** (p. 3032) and increments the reference Count.*

- template<typename T1 , typename R1 >
  ArrayPointer & **operator=** (const **ArrayPointer**< T1, R1 > &right) throw ()
- **ReferenceType operator[ ]** (int index)

  Dereference Operator, returns a reference to the Contained value.

- **ConstReferenceType operator[ ]** (int index) const
- bool **operator!** () const
- template<typename T1 , typename R1 >
  bool **operator==** (const **ArrayPointer**< T1, R1 > &right) const
- template<typename T1 , typename R1 >
  bool **operator!=** (const **ArrayPointer**< T1, R1 > &right) const

Friends

- bool **operator==** (const **ArrayPointer** &left, const T *right)
- bool **operator==** (const T *left, const **ArrayPointer** &right)
- bool **operator!=** (const **ArrayPointer** &left, const T *right)
- bool **operator!=** (const T *left, const **ArrayPointer** &right)

6.117.1 Detailed Description

template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter>
class decaf::lang::ArrayPointer< T, REFCOUNTER >

Decaf's implementation of a Smart **Pointer** (p. 3032) that is a template on a Type and is **Thread** (p. 3876) Safe if the default Reference Counter is used. This **Pointer** (p. 3032) type allows for the substitution of different Reference Counter implementations which provide a means of using invasive reference counting if desired using a custom implementation of `ReferenceCounter`.

The Decaf smart pointer provide comparison operators for comparing **Pointer** (p. 3032) instances in the same manner as normal pointer, except that it does not provide an overload of operators (<, <=, >, >=). To allow use of a **Pointer** (p. 3032) in a STL container that requires it, **Pointer** (p. 3032) provides an implementation of std::less.

Since

1.0

6.117.2 Member Typedef Documentation

6.117.2.1 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> typedef const T& decaf::lang::ArrayPointer< T, REFCOUNTER >::ConstReferenceType

6.117.2.2 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> typedef REFCOUNTER decaf::lang::ArrayPointer< T, REFCOUNTER >::CounterType

6.117.2.3 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> typedef T* decaf::lang::ArrayPointer< T, REFCOUNTER >::PointerType

6.117.2.4 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> typedef T& decaf::lang::ArrayPointer< T, REFCOUNTER >::ReferenceType

6.117.3 Constructor & Destructor Documentation

6.117.3.1 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> decaf::lang::ArrayPointer< T, REFCOUNTER >::ArrayPointer ( ) [inline]

Default Constructor.

Initialized the contained array pointer to NULL, using the subscript operator results in an exception unless reset to contain a real value.

Referenced by decaf::lang::ArrayPointer< unsigned char >::clone(), and decaf::lang::ArrayPointer< unsigned char >::reset().

6.117.3.2 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> decaf::lang::ArrayPointer< T, REFCOUNTER >::ArrayPointer (int *size*) [inline]

Create a new **ArrayPointer** (p. 736) instance and allocates an internal array that is sized using the passed in size value.

Parameters

size	The size of the array to allocate for this **ArrayPointer** (p. 736) instance.

6.117.3.3 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> decaf::lang::ArrayPointer< T, REFCOUNTER >::ArrayPointer (const PointerType *value*, int *size*) [inline, explicit]

Explicit Constructor, creates an **ArrayPointer** (p. 736) that contains value with a single reference.

This object now has ownership until a call to release.

Parameters

value	The pointer to the instance of the array we are taking ownership of.
size	The size of the array this object is taking ownership of.

6.117.3.4 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> decaf::lang::ArrayPointer< T, REFCOUNTER >::ArrayPointer (const ArrayPointer< T, REFCOUNTER > & *value*) throw () [inline]

Copy constructor.

Copies the value contained in the **ArrayPointer** (p. 736) to the new instance and increments the reference counter.

6.117.3.5 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> virtual decaf::lang::ArrayPointer< T, REFCOUNTER >::~ArrayPointer ( ) throw () [inline, virtual]

6.117.4 Member Function Documentation

6.117.4.1 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> ArrayPointer decaf::lang::ArrayPointer< T, REFCOUNTER >::clone ( ) const [inline]

Creates a new **ArrayPointer** (p. 736) instance that is a clone of the value contained in this **ArrayPointer** (p. 736).

Returns

an **ArrayPointer** (p. 736) that contains a copy of the data in this **ArrayPointer** (p. 736).

6.117.4.2 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> PointerType decaf::lang::ArrayPointer< T, REFCOUNTER >::get ( ) const [inline]

Gets the real array pointer that is contained within this **Pointer** (p. 3032).

This is not really safe since the caller could delete or alter the pointer but it mimics the STL auto_ptr and gives access in cases where the caller absolutely needs the real **Pointer** (p. 3032). Use at your own risk.

Returns

the contained pointer.

Referenced by decaf::lang::ArrayPointer< unsigned char >::clone(), decaf::lang::ArrayPointerComparator< T, R >::compare(), decaf::lang::operator!=(), decaf::lang::ArrayPointer< unsigned char >::operator!=(), std::less< decaf::lang::ArrayPointer< T > >::operator()(), decaf::lang::ArrayPointerComparator< T, R >::operator()(), decaf::lang::operator==(), and decaf::lang::ArrayPointer< unsigned char >::operator==().

6.117.4.3 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> int decaf::lang::ArrayPointer< T, REFCOUNTER >::length ( ) const [inline]

Returns the current size of the contained array or zero if the array is NULL.

Returns

the size of the array or zero if the array is NULL

6.117.4.4 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> bool decaf::lang::ArrayPointer< T, REFCOUNTER >::operator! ( ) const [inline]

6.117.4.5 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> template<typename T1 , typename R1 > bool decaf::lang::ArrayPointer< T, REFCOUNTER >::operator!= (const ArrayPointer< T1, R1 > & *right*) const [inline]

6.117.4.6 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> template<typename T1 , typename R1 > ArrayPointer& decaf::lang::ArrayPointer< T, REFCOUNTER >::operator= (const ArrayPointer< T1, R1 > & *right*) throw () [inline]

6.117.4.7 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> ArrayPointer& decaf::lang::ArrayPointer< T, REFCOUNTER >::operator= (const ArrayPointer< T, REFCOUNTER > & *right*) throw () [inline]

Assigns the value of right to this **Pointer** (p. 3032) and increments the reference Count.

Parameters

right	- **Pointer** (p. 3032) on the right hand side of an operator= call to this.

6.117.4.8 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> template<typename T1 , typename R1 > bool decaf::lang::ArrayPointer< T, REFCOUNTER >::operator== (const ArrayPointer< T1, R1 > & *right*) const [inline]

6.117.4.9 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> ReferenceType decaf::lang::ArrayPointer< T, REFCOUNTER >::operator[] (int *index*) [inline]

Dereference Operator, returns a reference to the Contained value.

This method throws an NullPointerException if the contained value is NULL.

Returns

reference to the contained pointer.

Exceptions

NullPointerException	if the contained value is Null

6.117.4.10 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> ConstReferenceType decaf::lang::ArrayPointer< T, REFCOUNTER >::operator[] (int *index*) const [inline]

6.117.4.11 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> T* decaf::lang::ArrayPointer< T, REFCOUNTER >::release ( ) [inline]

Releases the **Pointer** (p. 3032) held and resets the internal pointer value to Null.

This method is not guaranteed to be safe if the **Pointer** (p. 3032) is held by more than one object or this method is called from more than one thread.

Parameters

value	- The new value to contain.

Returns

The pointer instance that was held by this **Pointer** (p. 3032) object, the pointer is no longer owned by this **Pointer** (p. 3032) and won't be freed when this **Pointer** (p. 3032) goes out of scope.

Referenced by decaf::lang::ArrayPointer< unsigned char >::ArrayPointer().

6.117.4.12 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> void decaf::lang::ArrayPointer< T, REFCOUNTER >::reset (T * *value*, int *size* = 0) [inline]

Resets the **ArrayPointer** (p. 736) to hold the new value.

Before the new value is stored reset checks if the old value should be destroyed and if so calls delete. Call reset with a value of NULL is supported and acts to set this **Pointer** (p. 3032) to a NULL pointer.

Parameters

value	The new array pointer value to contain.
size	The size of the new array value this object now contains.

6.117.4.13 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> void decaf::lang::ArrayPointer< T, REFCOUNTER >::swap (ArrayPointer< T, REFCOUNTER > & *value*) throw () [inline]

Exception (p. 1886) Safe Swap Function.

Parameters

value	- the value to swap with this.

Referenced by decaf::lang::ArrayPointer< unsigned char >::operator=(), and decaf::lang::ArrayPointer< unsigned char >::swap().

6.117.5 Friends And Related Function Documentation

6.117.5.1 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> bool operator!= (const ArrayPointer< T, REFCOUNTER > & *left*, const T * *right*) [friend]

6.117.5.2 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> bool operator!= (const T * *left*, const ArrayPointer< T, REFCOUNTER > & *right*) [friend]

6.117.5.3 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> bool operator== (const ArrayPointer< T, REFCOUNTER > & *left*, const T * *right*) [friend]

6.117.5.4 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> bool operator== (const T * *left*, const ArrayPointer< T, REFCOUNTER > & *right*) [friend]

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**ArrayPointer.h**

6.118 decaf::lang::ArrayPointerComparator< T, R > Class Template Reference

This implementation of Comparator is designed to allows objects in a Collection to be sorted or tested for equality based on the value of the value of the actual pointer to the array being contained in this **ArrayPointer** (p. 736).

```
#include <src/main/decaf/lang/ArrayPointer.h>
```

Inheritance diagram for decaf::lang::ArrayPointerComparator< T, R >:

Public Member Functions

- virtual bool **operator()** (const **ArrayPointer**< T, R > &left, const **ArrayPointer**< T, R > &right) const
- virtual int **compare** (const **ArrayPointer**< T, R > &left, const **ArrayPointer**< T, R > &right) const

6.118.1 Detailed Description

template<typename T, typename R = decaf::util::concurrent::atomic::AtomicRefCounter> class decaf::lang::ArrayPointerComparator< T, R >

This implementation of Comparator is designed to allows objects in a Collection to be sorted or tested for equality based on the value of the value of the actual pointer to the array being contained in this **ArrayPointer** (p. 736). This allows for a basic ordering to be acheived in Decaf containers.

Custom implementations are possible where an array of some type has a logical natural ordering such as array of integers where the sum of all ints in the array is used.

6.118.2 Member Function Documentation

6.118.2.1 template<typename T , typename R = decaf::util::concurrent::atomic::AtomicRefCounter> virtual int decaf::lang::ArrayPointerComparator< T, R >::compare (const ArrayPointer< T, R > & *left,* const ArrayPointer< T, R > & *right*) const [inline, virtual]

References decaf::lang::ArrayPointer< T, REFCOUNTER >::get().

6.118.2.2 template<typename T , typename R = decaf::util::concurrent::atomic::AtomicRefCounter> virtual bool decaf::lang::ArrayPointerComparator< T, R >::operator() (const ArrayPointer< T, R > & *left,* const ArrayPointer< T, R > & *right*) const [inline, virtual]

References decaf::lang::ArrayPointer< T, REFCOUNTER >::get().

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**ArrayPointer.h**

6.119 decaf::util::concurrent::atomic::AtomicBoolean Class Reference

A boolean value that may be updated atomically.

```
#include <src/main/decaf/util/concurrent/atomic/AtomicBoolean.h>
```

Public Member Functions

- **AtomicBoolean** ()

  *Creates a new **AtomicBoolean** (p. 745) whose initial value is false.*

- **AtomicBoolean** (bool initialValue)

  *Creates a new **AtomicBoolean** (p. 745) with the initial value.*

- virtual ~**AtomicBoolean** ()
- bool **get** () const

  *Gets the current value of this **AtomicBoolean** (p. 745).*

- void **set** (bool newValue)

  Unconditionally sets to the given value.

- bool **compareAndSet** (bool expect, bool update)

  Atomically sets the value to the given updated value if the current value == the expected value.

- bool **getAndSet** (bool newValue)

  Atomically sets to the given value and returns the previous value.

- std::string **toString** () const

  Returns the String representation of the current value.

6.119.1 Detailed Description

A boolean value that may be updated atomically. An **AtomicBoolean** (p. 745) is used in applications such as atomically updated flags, and cannot be used as a replacement for a Boolean.

6.119.2 Constructor & Destructor Documentation

6.119.2.1 decaf::util::concurrent::atomic::AtomicBoolean::AtomicBoolean ( )

Creates a new **AtomicBoolean** (p. 745) whose initial value is false.

6.119.2.2 decaf::util::concurrent::atomic::AtomicBoolean::AtomicBoolean (bool *initialValue*)

Creates a new **AtomicBoolean** (p. 745) with the initial value.

Parameters

initialValue	- The initial value of this boolean.

6.119.2.3 virtual decaf::util::concurrent::atomic::AtomicBoolean::~AtomicBoolean ( ) [inline, virtual]

6.119.3 Member Function Documentation

6.119.3.1 bool decaf::util::concurrent::atomic::AtomicBoolean::compareAndSet (bool *expect*, bool *update*)

Atomically sets the value to the given updated value if the current value == the expected value.

Parameters

expect	- the expected value
update	- the new value

Returns

true if successful. False return indicates that the actual value was not equal to the expected value.

6.119.3.2 bool decaf::util::concurrent::atomic::AtomicBoolean::get ( ) const [inline]

Gets the current value of this **AtomicBoolean** (p. 745).

Returns

the currently set value.

6.119.3.3 bool decaf::util::concurrent::atomic::AtomicBoolean::getAndSet (bool *newValue*)

Atomically sets to the given value and returns the previous value.

Parameters

newValue	- the new value

Returns

the previous value

6.119.3.4 void decaf::util::concurrent::atomic::AtomicBoolean::set (bool *newValue*) [inline]

Unconditionally sets to the given value.

Parameters

newValue	- the new value

6.119.3.5 std::string decaf::util::concurrent::atomic::AtomicBoolean::toString ( ) const

Returns the String representation of the current value.

Returns

the String representation of the current value.

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/atomic/**AtomicBoolean.h**

6.120 decaf::util::concurrent::atomic::AtomicInteger Class Reference

An int value that may be updated atomically.

`#include <src/main/decaf/util/concurrent/atomic/AtomicInteger.h>`

Inheritance diagram for decaf::util::concurrent::atomic::AtomicInteger:

Public Member Functions

- **AtomicInteger** ()

  *Create a new **AtomicInteger** (p. 748) with an initial value of 0.*

- **AtomicInteger** (int initialValue)

  *Create a new **AtomicInteger** (p. 748) with the given initial value.*

- virtual ~**AtomicInteger** ()
- int **get** () const

  Gets the current value.

- void **set** (int newValue)

  Sets to the given value.

- int **getAndSet** (int newValue)

  Atomically sets to the given value and returns the old value.

- bool **compareAndSet** (int expect, int update)

  Atomically sets the value to the given updated value if the current value == the expected value.

- int **getAndIncrement** ()

  Atomically increments by one the current value.

- int **getAndDecrement** ()

  Atomically decrements by one the current value.

- int **getAndAdd** (int delta)

  Atomically adds the given value to the current value.

- int **incrementAndGet** ()

  Atomically increments by one the current value.

- int **decrementAndGet** ()

  Atomically decrements by one the current value.

- int **addAndGet** (int delta)

  Atomically adds the given value to the current value.

- std::string **toString** () const

  Returns the String representation of the current value.

- int **intValue** () const

  Description copied from class: Number Returns the value of the specified number as an int.

- long long **longValue** () const

  Description copied from class: Number Returns the value of the specified number as a long.

- float **floatValue** () const

  Description copied from class: Number Returns the value of the specified number as a float.

- double **doubleValue** () const

  Description copied from class: Number Returns the value of the specified number as a double.

6.120.1 Detailed Description

An int value that may be updated atomically. An **AtomicInteger** (p. 748) is used in applications such as atomically incremented counters, and cannot be used as a replacement for an Integer. However, this class does extend Number to allow uniform access by tools and utilities that deal with numerically-based classes.

6.120.2 Constructor & Destructor Documentation

6.120.2.1 decaf::util::concurrent::atomic::AtomicInteger::AtomicInteger ( )

Create a new **AtomicInteger** (p. 748) with an initial value of 0.

6.120.2.2 decaf::util::concurrent::atomic::AtomicInteger::AtomicInteger (int *initialValue*)

Create a new **AtomicInteger** (p. 748) with the given initial value.

Parameters

initialValue	- The initial value of this object.

6.120.2.3 virtual decaf::util::concurrent::atomic::AtomicInteger::~AtomicInteger ( ) [inline, virtual]

6.120.3 Member Function Documentation

6.120.3.1 int decaf::util::concurrent::atomic::AtomicInteger::addAndGet (int *delta*)

Atomically adds the given value to the current value.

Parameters

delta	- the value to add.

Returns

the updated value.

6.120.3.2 bool decaf::util::concurrent::atomic::AtomicInteger::compareAndSet (int *expect*, int *update*)

Atomically sets the value to the given updated value if the current value == the expected value.

Parameters

expect	- the expected value
update	- the new value

Returns

true if successful. False return indicates that the actual value was not equal to the expected value.

6.120.3.3 int decaf::util::concurrent::atomic::AtomicInteger::decrementAndGet ( )

Atomically decrements by one the current value.

Returns

the updated value.

Referenced by decaf::util::concurrent::atomic::AtomicRefCounter::release().

6.120.3.4 double decaf::util::concurrent::atomic::AtomicInteger::doubleValue ( ) const [virtual]

Description copied from class: Number Returns the value of the specified number as a double.

This may involve rounding.

Returns

the numeric value represented by this object after conversion to type double.

Implements **decaf::lang::Number** (p. 2919).

6.120.3.5 float decaf::util::concurrent::atomic::AtomicInteger::floatValue ( ) const [virtual]

Description copied from class: Number Returns the value of the specified number as a float.

This may involve rounding.

Returns

the numeric value represented by this object after conversion to type float.

Implements **decaf::lang::Number** (p. 2920).

6.120.3.6 int decaf::util::concurrent::atomic::AtomicInteger::get ( ) const [inline]

Gets the current value.

Returns

the current value.

6.120.3.7 int decaf::util::concurrent::atomic::AtomicInteger::getAndAdd (int *delta*)

Atomically adds the given value to the current value.

Parameters

delta	- The value to add.

Returns

the previous value.

6.120.3.8 int decaf::util::concurrent::atomic::AtomicInteger::getAndDecrement ( )

Atomically decrements by one the current value.

Returns

the previous value.

6.120.3.9 int decaf::util::concurrent::atomic::AtomicInteger::getAndIncrement ( )

Atomically increments by one the current value.

Returns

the previous value.

6.120.3.10 int decaf::util::concurrent::atomic::AtomicInteger::getAndSet (int *newValue*)

Atomically sets to the given value and returns the old value.

Parameters

newValue	- the new value.

Returns

the previous value.

6.120.3.11 int decaf::util::concurrent::atomic::AtomicInteger::incrementAndGet ( )

Atomically increments by one the current value.

Returns

the updated value.

Referenced by decaf::util::concurrent::atomic::AtomicRefCounter::AtomicRefCounter().

6.120.3.12 int decaf::util::concurrent::atomic::AtomicInteger::intValue ( ) const [virtual]

Description copied from class: Number Returns the value of the specified number as an int.

This may involve rounding or truncation.

Returns

the numeric value represented by this object after conversion to type int.

Implements **decaf::lang::Number** (p. 2920).

6.120.3.13 long long decaf::util::concurrent::atomic::AtomicInteger::longValue ( ) const [virtual]

Description copied from class: Number Returns the value of the specified number as a long.

This may involve rounding or truncation.

Returns

the numeric value represented by this object after conversion to type long long.

Implements **decaf::lang::Number** (p. 2920).

6.120.3.14 void decaf::util::concurrent::atomic::AtomicInteger::set (int *newValue*) [inline]

Sets to the given value.

Parameters

newValue	- the new value

6.120.3.15 std::string decaf::util::concurrent::atomic::AtomicInteger::toString ( ) const

Returns the String representation of the current value.

Returns

the String representation of the current value.

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/atomic/**AtomicInteger.h**

6.121 decaf::util::concurrent::atomic::AtomicRefCounter Class Reference

`#include <src/main/decaf/util/concurrent/atomic/AtomicRefCounter.h>`

Inherited by **decaf::lang::ArrayPointer< unsigned char >**, **decaf::lang::Pointer< activemq::threads::TaskRunner >**, **decaf::lang::Pointer< ActiveMQDestination >**, **decaf::lang::Pointer< ActiveMQTransactionContext >**, **decaf::lang::Pointer< BackupTransportPool >**, **decaf::lang::Pointer< BooleanExpression >**, **decaf::lang::Pointer< BrokerError >**, **decaf::lang::Pointer< BrokerId >**, **decaf::lang::Pointer< ByteArrayAdapter >**, **decaf::lang::Pointer< CloseTransportsTask >**, **decaf::lang::Pointer< cms::Destination >**, **decaf::lang::Pointer< commands::ActiveMQDestination >**, **decaf::lang::Pointer< commands::ConsumerId >**, **decaf::lang::Pointer< commands::ConsumerInfo >**, **decaf::lang::Pointer< commands::Message >**, **decaf::lang::Pointer< commands::MessageAck >**, **decaf::lang::Pointer< commands::ProducerInfo >**, **decaf::lang::Pointer< commands::SessionInfo >**, **decaf::lang::Pointer< commands::TransactionId >**, **decaf::lang::Pointer< commands::WireFormatInfo >**, **decaf::lang::Pointer< Comparator< E > >**, **decaf::lang::Pointer< CompositeTaskRunner >**, **decaf::lang::Pointer< ConnectionId >**, **decaf::lang::Pointer< ConnectionInfo >**, **decaf::lang::Pointer< ConsumerId >**, **decaf::lang::Pointer< ConsumerInfo >**, **decaf::lang::Pointer< core::ActiveMQAckHandler >**, **decaf::lang::Pointer< DataStructure >**, **decaf::lang::Pointer< decaf::lang::Runnable >**, **decaf::lang::Pointer< decaf::lang::Thread >**, **decaf::lang::Pointer< Exception >**, **decaf::lang::Pointer< LockHandle >**, **decaf::lang::Pointer< LogManagerInternals >**, **decaf::lang::Pointer< Message >**, **decaf::lang::Pointer< MessageAck >**, **decaf::lang::Pointer< MessageId >**, **decaf::lang::Pointer< ProducerId >**, **decaf::lang::Pointer< ProducerInfo >**, **decaf::lang::Pointer< Properties >**, **decaf::lang::Pointer< Response >**, **decaf::lang::Pointer< ResponseBuilder >**, **decaf::lang::Pointer< SessionId >**, **decaf::lang::Pointer< SessionInfo >**, **decaf::lang::Pointer< Tracked >**, **decaf::lang::Pointer< TransactionId >**, **decaf::lang::Pointer< TransactionState >**, **decaf::lang::Pointer< Transport >**, **decaf::lang::Pointer< TransportListener >**, **decaf::lang::Pointer< URI >**, **decaf::lang::Pointer< URIPool >**, and **decaf::lang::Pointer< wireformat::WireFormat >**.

Public Member Functions

- **AtomicRefCounter** ()
- **AtomicRefCounter** (const **AtomicRefCounter** &other)
- virtual ~**AtomicRefCounter** ()

Protected Member Functions

- void **swap** (**AtomicRefCounter** &other)

  Swaps this instance's reference counter with the one given, this allows for copy-and-swap semantics of this object.

- bool **release** ()

Removes a reference to the counter Atomically and returns if the counter has reached zero, once the counter hits zero, the internal counter is destroyed and this instance is now considered to be unreferenced.

6.121.1 Constructor & Destructor Documentation

6.121.1.1 decaf::util::concurrent::atomic::AtomicRefCounter::AtomicRefCounter ( ) [inline]

6.121.1.2 decaf::util::concurrent::atomic::AtomicRefCounter::AtomicRefCounter (const AtomicRefCounter & *other*) [inline]

References decaf::util::concurrent::atomic::AtomicInteger::incrementAndGet().

6.121.1.3 virtual decaf::util::concurrent::atomic::AtomicRefCounter::~AtomicRefCounter ( ) [inline, virtual]

6.121.2 Member Function Documentation

6.121.2.1 bool decaf::util::concurrent::atomic::AtomicRefCounter::release ( ) [inline, protected]

Removes a reference to the counter Atomically and returns if the counter has reached zero, once the counter hits zero, the internal counter is destroyed and this instance is now considered to be unreferenced.

Returns

true if the count is now zero.

Reimplemented in **decaf::lang::ArrayPointer< unsigned char >** (p. 743), **decaf::lang::Pointer< MessageAck >** (p. 3039), **decaf::lang::Pointer< BooleanExpression >** (p. 3039), **decaf::lang::Pointer< commands::ConsumerId >** (p. 3039), **decaf::lang::Pointer< BrokerError >** (p. 3039), **decaf::lang::Pointer< Transport >** (p. 3039), **decaf::lang::Pointer< wireformat::WireFormat >** (p. 3039), **decaf::lang::Pointer< commands::WireFormatInfo >** (p. 3039), **decaf::lang::Pointer< CloseTransportsTask >** (p. 3039), **decaf::lang::Pointer< CompositeTaskRunner >** (p. 3039), **decaf::lang::Pointer< ActiveMQTransactionContext >** (p. 3039), **decaf::lang::Pointer< commands::ProducerInfo >** (p. 3039), **decaf::lang::Pointer< Comparator< E > >** (p. 3039), **decaf::lang::Pointer< BrokerId >** (p. 3039), **decaf::lang::Pointer< LogManagerInternals >** (p. 3039), **decaf::lang::Pointer< commands::SessionInfo >** (p. 3039), **decaf::lang::Pointer< Message >** (p. 3039), **decaf::lang::Pointer< URI >** (p. 3039), **decaf::lang::Pointer< DataStructure >** (p. 3039), **decaf::lang::Pointer< activemq::threads::TaskRunner >** (p. 3039), **decaf::lang::Pointer< LockHandle >** (p. 3039), **decaf::lang::Pointer< commands::ActiveMQDestination >** (p. 3039), **decaf::lang::Pointer< ConsumerInfo >** (p. 3039), **decaf::lang::Pointer< ConnectionId >** (p. 3039), **decaf::lang::Pointer< decaf::lang::Runnable >** (p. 3039), **decaf::lang::Pointer< Properties >** (p. 3039), **decaf::lang::Pointer< BackupTransportPool >** (p. 3039), **decaf::lang::Pointer< ProducerInfo >** (p. 3039), **decaf::lang::Pointer<**

decaf::lang::Thread > (p. 3039), **decaf::lang::Pointer**< **MessageId** > (p. 3039), **decaf::lang::Pointer**< **Response** > (p. 3039), **decaf::lang::Pointer**< **SessionId** > (p. 3039), **decaf::lang::Pointer**< **cms::Destination** > (p. 3039), **decaf::lang::Pointer**< **TransportListener** > (p. 3039), **decaf::lang::Pointer**< **commands::TransactionId** > (p. 3039), **decaf::lang::Pointer**< **ActiveMQDestination** > (p. 3039), **decaf::lang::Pointer**< **ProducerId** > (p. 3039), **decaf::lang::Pointer**< **ResponseBuilder** > (p. 3039), **decaf::lang::Pointer**< **SessionInfo** > (p. 3039), **decaf::lang::Pointer**< **commands::Message** > (p. 3039), **decaf::lang::Pointer**< **Tracked** > (p. 3039), **decaf::lang::Pointer**< **ConnectionInfo** > (p. 3039), **decaf::lang::Pointer**< **commands::MessageAck** > (p. 3039), **decaf::lang::Pointer**< **core::ActiveMQAckHandler** > (p. 3039), **decaf::lang::Pointer**< **Exception** > (p. 3039), **decaf::lang::Pointer**< **TransactionState** > (p. 3039), **decaf::lang::Pointer**< **commands::ConsumerInfo** > (p. 3039), **decaf::lang::Pointer**< **ConsumerId** > (p. 3039), **decaf::lang::Pointer**< **URIPool** > (p. 3039), **decaf::lang::Pointer**< **ByteArrayAdapter** > (p. 3039), and **decaf::lang::Pointer**< **TransactionId** > (p. 3039).

References decaf::util::concurrent::atomic::AtomicInteger::decrementAndGet().

6.121.2.2 void decaf::util::concurrent::atomic::AtomicRefCounter::swap (AtomicRefCounter & *other*) [inline, protected]

Swaps this instance's reference counter with the one given, this allows for copy-and-swap semantics of this object.

Parameters

other	The value to swap with this one's.

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/atomic/**AtomicRefCounter.h**

6.122 decaf::util::concurrent::atomic::AtomicReference< T > Class Template Reference

An Pointer reference that may be updated atomically.

`#include <src/main/decaf/util/concurrent/atomic/AtomicReference.h>`

Public Member Functions

- **AtomicReference** ()
- **AtomicReference** (T *value)
- virtual ~**AtomicReference** ()
- T * **get** () const

  Gets the Current Value.

- void **set** (T *newValue)

Sets the Current value of this Reference.

- bool **compareAndSet** (T *expect, T *update)

  Atomically sets the value to the given updated value if the current value == the expected value.

- T * **getAndSet** (T *newValue)

  Atomically sets to the given value and returns the old value.

- std::string **toString** () const

  Returns the String representation of the current value.

6.122.1 Detailed Description

template<typename T> class decaf::util::concurrent::atomic::AtomicReference< T >

An Pointer reference that may be updated atomically.

6.122.2 Constructor & Destructor Documentation

6.122.2.1 template<typename T > decaf::util::concurrent::atomic::AtomicReference< T >::AtomicReference ( ) [inline]

6.122.2.2 template<typename T > decaf::util::concurrent::atomic::AtomicReference< T >::AtomicReference (T * *value*) [inline]

6.122.2.3 template<typename T > virtual decaf::util::concurrent::atomic::AtomicReference< T >::~AtomicReference ( ) [inline, virtual]

6.122.3 Member Function Documentation

6.122.3.1 template<typename T > bool decaf::util::concurrent::atomic::AtomicReference< T >::compareAndSet (T * *expect*, T * *update*) [inline]

Atomically sets the value to the given updated value if the current value == the expected value.

Parameters

expect	- the expected value
update	- the new value

Returns

true if successful. False return indicates that the actual value was not equal to the expected value.

6.122.3.2 template<typename T > T* decaf::util::concurrent::atomic::AtomicReference< T >::get ( ) const [inline]

Gets the Current Value.

Returns

the current value of this Reference.

6.122.3.3 template<typename T > T* decaf::util::concurrent::atomic::AtomicReference< T >::getAndSet (T * *newValue*) [inline]

Atomically sets to the given value and returns the old value.

Parameters

newValue-	the new value

Returns

the previous value.

6.122.3.4 template<typename T > void decaf::util::concurrent::atomic::AtomicReference< T >::set (T * *newValue*) [inline]

Sets the Current value of this Reference.

Parameters

newValue	The new Value of this Reference.

6.122.3.5 template<typename T > std::string decaf::util::concurrent::atomic::AtomicReference< T >::toString ( ) const [inline]

Returns the String representation of the current value.

Returns

string representation of the current value.

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/atomic/**AtomicReference.h**

6.123 activemq::transport::failover::BackupTransport Class Reference

`#include <src/main/activemq/transport/failover/BackupTransport.h>`

Inheritance diagram for activemq::transport::failover::BackupTransport:

Public Member Functions

- **BackupTransport** (**BackupTransportPool** ∗failover)
- virtual ∼**BackupTransport** ()
- **decaf::net::URI getUri** () const

  Gets the URI assigned to this Backup.

- void **setUri** (const **decaf::net::URI** &uri)

  *Sets the URI assigned to this **Transport** (p. 3996).*

- const **Pointer**< **Transport** > & **getTransport** ()

  Gets the currently held transport.

- void **setTransport** (const **Pointer**< **Transport** > &transport)

  Sets the held transport, if not NULL then start to listen for exceptions from the held transport.

- virtual void **onException** (const **decaf::lang::Exception** &ex)

  Event handler for an exception from a command transport.

- bool **isClosed** () const

  *Has the **Transport** (p. 3996) been shutdown and no longer usable.*

- void **setClosed** (bool value)

  *Sets the closed flag on this **Transport** (p. 3996).*

6.123.1 Constructor & Destructor Documentation

6.123.1.1 activemq::transport::failover::BackupTransport::BackupTransport (BackupTransportPool * *failover*)

6.123.1.2 virtual activemq::transport::failover::BackupTransport::~BackupTransport ( ) [virtual]

6.123.2 Member Function Documentation

6.123.2.1 const Pointer<Transport>& activemq::transport::failover::BackupTransport::getTransport ( ) [inline]

Gets the currently held transport.

Returns

pointer to the held transport or NULL if not set.

6.123.2.2 decaf::net::URI activemq::transport::failover::BackupTransport::getUri ( ) const [inline]

Gets the URI assigned to this Backup.

Returns

the assigned URI

6.123.2.3 bool activemq::transport::failover::BackupTransport::isClosed ( ) const [inline]

Has the **Transport** (p. 3996) been shutdown and no longer usable.

Returns

true if the **Transport** (p. 3996)

6.123.2.4 virtual void activemq::transport::failover::BackupTransport::onException (const decaf::lang::Exception & *ex*) [virtual]

Event handler for an exception from a command transport.

The **BackupTransport** (p. 759) closes its internal **Transport** (p. 3996) when an exception is received and returns the URI to the pool of URIs to attempt connections to.

Parameters

ex	The exception that was passed to this listener to handle.

Implements **activemq::transport::TransportListener** (p. 4015).

6.123.2.5 void activemq::transport::failover::BackupTransport::setClosed (bool *value*) [inline]

Sets the closed flag on this **Transport** (p. 3996).

Parameters

value	- true for closed.

6.123.2.6 void activemq::transport::failover::BackupTransport::setTransport (const Pointer< Transport > & *transport*) [inline]

Sets the held transport, if not NULL then start to listen for exceptions from the held transport.

Parameters

transport	The transport to hold.

6.123.2.7 void activemq::transport::failover::BackupTransport::setUri (const decaf::net::URI & *uri*) [inline]

Sets the URI assigned to this **Transport** (p. 3996).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/failover/**BackupTransport.h**

6.124 activemq::transport::failover::BackupTransportPool Class Reference

`#include <src/main/activemq/transport/failover/BackupTransportPool.h>`

Inheritance diagram for activemq::transport::failover::BackupTransportPool:

Public Member Functions

- **BackupTransportPool** (const **Pointer**< **CompositeTaskRunner** > &taskRun-

ner, const **Pointer**< **CloseTransportsTask** > &closeTask, const **Pointer**< **URIPool** > &uriPool)

- **BackupTransportPool** (int backupPoolSize, const **Pointer**< **CompositeTaskRunner** > &taskRunner, const **Pointer**< **CloseTransportsTask** > &closeTask, const **Pointer**< **URIPool** > &uriPool)
- virtual ~**BackupTransportPool** ()
- virtual bool **isPending** () const

  Return true if we don't currently have enough Connected Transports.

- **Pointer**< **BackupTransport** > **getBackup** ()

  *Get a Connected **Transport** (p. 3996) from the pool of Backups if any are present, otherwise it return a NULL Pointer.*

- virtual bool **iterate** ()

  Connect to a Backup Broker if we haven't already connected to the max number of Backups.

- int **getBackupPoolSize** () const

  Gets the Max number of Backups this Task will create.

- void **setBackupPoolSize** (int size)

  Sets the Max number of Backups this Task will create.

- bool **isEnabled** () const

  *Gets if the backup **Transport** (p. 3996) Pool has been enabled or not, when not enabled no backups are created and any that were are destroyed.*

- void **setEnabled** (bool value)

  *Sets if this Backup **Transport** (p. 3996) Pool is enabled.*

Friends

- class **BackupTransport**

6.124.1 Constructor & Destructor Documentation

6.124.1.1 activemq::transport::failover::BackupTransportPool::BackupTransportPool (const Pointer< CompositeTaskRunner > & *taskRunner,* const Pointer< CloseTransportsTask > & *closeTask,* const Pointer< URIPool > & *uriPool*)

6.124.1.2 activemq::transport::failover::BackupTransportPool::BackupTransportPool (int *backupPoolSize,* const Pointer< CompositeTaskRunner > & *taskRunner,* const Pointer< CloseTransportsTask > & *closeTask,* const Pointer< URIPool > & *uriPool*)

6.124.1.3 virtual activemq::transport::failover::BackupTransportPool::~BackupTransportPool ( ) [virtual]

6.124.2 Member Function Documentation

6.124.2.1 Pointer<BackupTransport> activemq::transport::failover::BackupTransportPool::getBackup ( )

Get a Connected **Transport** (p. 3996) from the pool of Backups if any are present, otherwise it return a NULL Pointer.

Returns

Pointer to a Connected **Transport** (p. 3996) or NULL

6.124.2.2 int activemq::transport::failover::BackupTransportPool::getBackupPoolSize ( ) const [inline]

Gets the Max number of Backups this Task will create.

Returns

the max number of active BackupTransports that will be created.

6.124.2.3 bool activemq::transport::failover::BackupTransportPool::isEnabled ( ) const [inline]

Gets if the backup **Transport** (p. 3996) Pool has been enabled or not, when not enabled no backups are created and any that were are destroyed.

Returns

true if enable.

6.124.2.4 virtual bool activemq::transport::failover::BackupTransportPool::isPending ( ) const [virtual]

Return true if we don't currently have enough Connected Transports.

Implements **activemq::threads::CompositeTask** (p. 1255).

6.124.2.5 virtual bool activemq::transport::failover::BackupTransportPool::iterate ( ) [virtual]

Connect to a Backup Broker if we haven't already connected to the max number of Backups.

Implements **activemq::threads::Task** (p. 3847).

6.124.2.6 void activemq::transport::failover::BackupTransportPool::setBackupPoolSize (int *size*) [inline]

Sets the Max number of Backups this Task will create.

Parameters

size	- the max number of active BackupTransports that will be created.

6.124.2.7 void activemq::transport::failover::BackupTransportPool::setEnabled (bool *value*)

Sets if this Backup **Transport** (p. 3996) Pool is enabled.

When not enabled no Backups are created and any that were are destroyed.

Parameters

value	- true to enable backup creation, false to disable.

6.124.3 Friends And Related Function Documentation

6.124.3.1 friend class BackupTransport [friend]

The documentation for this class was generated from the following file:

- src/main/activemq/transport/failover/**BackupTransportPool.h**

6.125 activemq::commands::BaseCommand Class Reference

```
#include <src/main/activemq/commands/BaseCommand.h>
```

Inheritance diagram for activemq::commands::BaseCommand:

Public Member Functions

- **BaseCommand** ()
- virtual ∼**BaseCommand** ()
- virtual void **setCommandId** (int id)

  *Sets the **Command** (p. 1227) Id of this **Message** (p. 2596).*

- virtual int **getCommandId** () const

  *Gets the **Command** (p. 1227) Id of this **Message** (p. 2596).*

- virtual void **setResponseRequired** (const bool required)

  *Set if this **Message** (p. 2596) requires a **Response** (p. 3379).*

- virtual bool **isResponseRequired** () const

  *Is a **Response** (p. 3379) required for this **Command** (p. 1227).*

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual bool **isConnectionInfo** () const
- virtual bool **isConsumerInfo** () const
- virtual bool **isBrokerInfo** () const
- virtual bool **isMessage** () const
- virtual bool **isMessageAck** () const
- virtual bool **isKeepAliveInfo** () const
- virtual bool **isMessageDispatch** () const
- virtual bool **isMessageDispatchNotification** () const
- virtual bool **isProducerAck** () const
- virtual bool **isProducerInfo** () const
- virtual bool **isResponse** () const
- virtual bool **isRemoveInfo** () const
- virtual bool **isRemoveSubscriptionInfo** () const
- virtual bool **isShutdownInfo** () const
- virtual bool **isTransactionInfo** () const
- virtual bool **isWireFormatInfo** () const

6.125.1 Constructor & Destructor Documentation

6.125.1.1 activemq::commands::BaseCommand::BaseCommand ( ) [inline]

6.125.1.2 virtual activemq::commands::BaseCommand::~BaseCommand ( ) [inline, virtual]

6.125.2 Member Function Documentation

6.125.2.1 virtual void activemq::commands::BaseCommand::copyDataStructure (const DataStructure * *src*) [inline, virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

Reimplemented in **activemq::commands::ActiveMQBlobMessage** (p. 186), **activemq::commands::ActiveM** (p. 219), **activemq::commands::ActiveMQMapMessage** (p. 354), **activemq::commands::ActiveMQMessag** (p. 391), **activemq::commands::ActiveMQObjectMessage** (p. 439), **activemq::commands::ActiveMQStrea** (p. 540), **activemq::commands::ActiveMQTextMessage** (p. 669), **activemq::commands::BrokerError** (p. 870), **activemq::commands::BrokerInfo** (p. 904), **activemq::commands::ConnectionControl** (p. 1303), **activemq::commands::ConnectionError** (p. 1334), **activemq::commands::ConnectionInfo** (p. 1395), **activemq::commands::ConsumerControl** (p. 1443), **activemq::commands::ConsumerInfo** (p. 1504), **activemq::commands::ControlCommand** (p. 1537), **activemq::commands::DataArrayResponse** (p. 1573), **activemq::commands::DataResponse** (p. 1633), **activemq::commands::DestinationInfo** (p. 1781), **activemq::commands::ExceptionResponse** (p. 1896), **activemq::commands::FlushCommand** (p. 2000), **activemq::commands::IntegerResponse** (p. 2161), **activemq::commands::KeepAliveInfo** (p. 2336), **activemq::commands::Message** (p. 2602), **activemq::commands::MessageAck** (p. 2645), **activemq::commands::MessageDispatch** (p. 2680), **activemq::commands::MessageDispatchNoti** (p. 2718), **activemq::commands::MessagePull** (p. 2826), **activemq::commands::ProducerAck** (p. 3126), **activemq::commands::ProducerInfo** (p. 3187), **activemq::commands::RemoveInfo** (p. 3285), **activemq::commands::RemoveSubscriptionInfo** (p. 3315), **activemq::commands::ReplayComm** (p. 3345), **activemq::commands::Response** (p. 3380), **activemq::commands::SessionInfo** (p. 3506), **activemq::commands::ShutdownInfo** (p. 3574), **activemq::commands::TransactionInfo** (p. 3961), and **activemq::commands::WireFormatInfo** (p. 4097).

References getCommandId(), and isResponseRequired().

6.125.2.2 virtual bool activemq::commands::BaseCommand::equals (const DataStructure * *value*) const [inline, virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

Reimplemented in **activemq::commands::ActiveMQBlobMessage** (p. 187), **activemq::commands::ActiveMQBytesMess** (p. 220), **activemq::commands::ActiveMQMapMessage** (p. 355), **activemq::commands::ActiveMQMessage** (p. 392), **activemq::commands::ActiveMQMessageTemplate< T >** (p. 423), **activemq::commands::ActiveMQObjectMessage** (p. 439), **activemq::commands::ActiveMQStreamMessage** (p. 540), **activemq::commands::ActiveMQTextMessage** (p. 669), **activemq::commands::BrokerInfo** (p. 905), **activemq::commands::ConnectionControl** (p. 1303), **activemq::commands::ConnectionError** (p. 1334), **activemq::commands::ConnectionInfo** (p. 1395), **activemq::commands::ConsumerControl** (p. 1443), **activemq::commands::ConsumerInfo** (p. 1504), **activemq::commands::ControlCommand** (p. 1538), **activemq::commands::DataArrayResponse** (p. 1573), **activemq::commands::DataResponse** (p. 1633), **activemq::commands::DestinationInfo** (p. 1781), **activemq::commands::ExceptionResponse** (p. 1896), **activemq::commands::FlushCommand** (p. 2000), **activemq::commands::IntegerResponse** (p. 2161), **activemq::commands::KeepAliveInfo** (p. 2337), **activemq::commands::Message** (p. 2602), **activemq::commands::MessageAck** (p. 2645), **activemq::commands::MessageDispatch** (p. 2680), **activemq::commands::MessageDispatchNotification** (p. 2718), **activemq::commands::MessagePull** (p. 2826), **activemq::commands::ProducerAck** (p. 3126), **activemq::commands::ProducerInfo** (p. 3187), **activemq::commands::RemoveInfo** (p. 3286), **activemq::commands::RemoveSubscriptionInfo** (p. 3315), **activemq::commands::ReplayCommand** (p. 3345), **activemq::commands::Response** (p. 3381), **activemq::commands::SessionInfo** (p. 3507), **activemq::commands::ShutdownInfo** (p. 3574), **activemq::commands::TransactionInfo** (p. 3961), **activemq::commands::WireFormatInfo** (p. 4097), **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 423), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 423).

References activemq::commands::BaseDataStructure::equals().

6.125.2.3 virtual int activemq::commands::BaseCommand::getCommandId ( ) const [inline, virtual]

Gets the **Command** (p. 1227) Id of this **Message** (p. 2596).

Returns

Command (p. 1227) Id

Implements **activemq::commands::Command** (p. 1228).

Referenced by copyDataStructure().

6.125.2.4 virtual bool activemq::commands::BaseCommand::isBrokerInfo ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1228).

Reimplemented in **activemq::commands::BrokerInfo** (p. 907).

6.125.2.5 virtual bool activemq::commands::BaseCommand::isConnectionInfo ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1229).

Reimplemented in **activemq::commands::ConnectionInfo** (p. 1397).

6.125.2.6 virtual bool activemq::commands::BaseCommand::isConsumerInfo ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1229).

Reimplemented in **activemq::commands::ConsumerInfo** (p. 1506).

6.125.2.7 virtual bool activemq::commands::BaseCommand::isKeepAliveInfo ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1229).

Reimplemented in **activemq::commands::KeepAliveInfo** (p. 2337).

6.125.2.8 virtual bool activemq::commands::BaseCommand::isMessage ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1229).

Reimplemented in **activemq::commands::Message** (p. 2608).

6.125.2.9 virtual bool activemq::commands::BaseCommand::isMessageAck ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1229).

Reimplemented in **activemq::commands::MessageAck** (p. 2646).

6.125.2.10 virtual bool activemq::commands::BaseCommand::isMessageDispatch ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1229).

Reimplemented in **activemq::commands::MessageDispatch** (p. 2681).

6.125.2.11 virtual bool activemq::commands::BaseCommand::isMessageDispatchNotification ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1229).

Reimplemented in **activemq::commands::MessageDispatchNotification** (p. 2719).

6.125.2.12 virtual bool activemq::commands::BaseCommand::isProducerAck ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1230).

Reimplemented in **activemq::commands::ProducerAck** (p. 3127).

6.125.2.13 virtual bool activemq::commands::BaseCommand::isProducerInfo ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1230).

Reimplemented in **activemq::commands::ProducerInfo** (p. 3188).

6.125.2.14 virtual bool activemq::commands::BaseCommand::isRemoveInfo ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1230).

Reimplemented in **activemq::commands::RemoveInfo** (p. 3286).

6.125.2.15 virtual bool activemq::commands::BaseCommand::isRemoveSubscriptionInfo ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1230).

Reimplemented in **activemq::commands::RemoveSubscriptionInfo** (p. 3316).

6.125.2.16 virtual bool activemq::commands::BaseCommand::isResponse ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1230).

Reimplemented in **activemq::commands::Response** (p. 3381).

6.125.2.17 virtual bool activemq::commands::BaseCommand::isResponseRequired ( ) const [inline, virtual]

Is a **Response** (p. 3379) required for this **Command** (p. 1227).

Returns

true if a response is required.

Implements **activemq::commands::Command** (p. 1230).

Referenced by copyDataStructure().

6.125.2.18 virtual bool activemq::commands::BaseCommand::isShutdownInfo ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1230).

Reimplemented in **activemq::commands::ShutdownInfo** (p. 3575).

6.125.2.19 virtual bool activemq::commands::BaseCommand::isTransactionInfo ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1231).

Reimplemented in **activemq::commands::TransactionInfo** (p. 3962).

6.125.2.20 virtual bool activemq::commands::BaseCommand::isWireFormatInfo ( ) const [inline, virtual]

Implements **activemq::commands::Command** (p. 1231).

Reimplemented in **activemq::commands::WireFormatInfo** (p. 4101).

6.125.2.21 virtual void activemq::commands::BaseCommand::setCommandId (int *id*) [inline, virtual]

Sets the **Command** (p. 1227) Id of this **Message** (p. 2596).

Parameters

id	**Command** (p. 1227) Id

Implements **activemq::commands::Command** (p. 1231).

6.125.2.22 virtual void activemq::commands::BaseCommand::setResponseRequired (const bool *required*) [inline, virtual]

Set if this **Message** (p. 2596) requires a **Response** (p. 3379).

Parameters

required	true if response is required

Implements **activemq::commands::Command** (p. 1231).

6.125.2.23 virtual std::string activemq::commands::BaseCommand::toString ( ) const [inline, virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Implements **activemq::commands::Command** (p. 1231).

Reimplemented in **activemq::commands::ActiveMQBlobMessage** (p. 189), **activemq::commands::ActiveMQBytesMes** (p. 229), **activemq::commands::ActiveMQMapMessage** (p. 364), **activemq::commands::ActiveMQMessage** (p. 392), **activemq::commands::ActiveMQObjectMessage** (p. 440), **activemq::commands::ActiveMQStreamMessage** (p. 547), **activemq::commands::ActiveMQTextMessage** (p. 671), **activemq::commands::BrokerInfo** (p. 908), **activemq::commands::ConnectionControl** (p. 1305), **activemq::commands::ConnectionError** (p. 1335), **activemq::commands::ConnectionInfo** (p. 1398), **activemq::commands::ConsumerControl** (p. 1445), **activemq::commands::ConsumerInfo** (p. 1507), **activemq::commands::ControlCommand** (p. 1538), **activemq::commands::DataArrayResponse** (p. 1574), **activemq::commands::DataResponse** (p. 1634), **activemq::commands::DestinationInfo** (p. 1783), **activemq::commands::ExceptionResponse** (p. 1897), **activemq::commands::FlushCommand** (p. 2001), **activemq::commands::IntegerResponse** (p. 2162), **activemq::commands::KeepAliveInfo** (p. 2337), **activemq::commands::Message** (p. 2611), **activemq::commands::MessageAck** (p. 2647), **activemq::commands::MessageDispatch** (p. 2682), **activemq::commands::MessageDispatchNotification** (p. 2719), **activemq::commands::MessagePull** (p. 2827), **activemq::commands::ProducerAck** (p. 3127), **activemq::commands::ProducerInfo** (p. 3189), **activemq::commands::RemoveInfo** (p. 3287), **activemq::commands::RemoveSubscriptionInfo** (p. 3317), **activemq::commands::ReplayCommand** (p. 3346), **activemq::commands::Response** (p. 3382), **activemq::commands::SessionInfo** (p. 3507), **activemq::commands::ShutdownInfo** (p. 3575), **activemq::commands::TransactionInfo** (p. 3963), and **activemq::commands::WireFormatInfo** (p. 4104).

References activemq::commands::BaseDataStructure::toString().

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**BaseCommand.h**

6.126 activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 771).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller:

Public Member Functions

- **BaseCommandMarshaller** ()
- virtual ~**BaseCommandMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.126.1 Detailed Description

Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 771). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.126.2 Constructor & Destructor Documentation

6.126.2.1 activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller::BaseCommandMarshaller ( ) [inline]

6.126.2.2 virtual activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller::∼BaseCommandMarshaller ( ) [inline, virtual]

6.126.3 Member Function Documentation

6.126.3.1 virtual void activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller::looseMarshal (OpenWireFormat ∗ *wireFormat,* commands::DataStructure ∗ *dataStructure,* decaf::io::DataOutputStream ∗ *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 191), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 236), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 366), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 394), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 442), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 555), **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 673), **activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller** (p. 912), **activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller** (p. 1308), **activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller** (p. 1342), **activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller** (p. 1406), **activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller** (p. 1453), **activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller** (p. 1516), **activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller** (p. 1545), **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1581), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1649), **activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller** (p. 1790), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1908), **activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller** (p. 2012), **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2173), **activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller** (p. 2348), **activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller** (p. 2659), **activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller** (p. 2696), **activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller** (p. 2731), **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786), **activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller** (p. 2839), **activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller** (p. 3139), **activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller** (p. 3209), **activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller** (p. 3298), **activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller** (p. 3324), **activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller** (p. 3361), **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405), **activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller** (p. 3523), **activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller** (p. 3595), and **activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller** (p. 3974).

6.126.3.2 virtual void activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 192), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 237), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 367), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 395), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 443), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 555), **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 674), **activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller** (p. 913), **activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller** (p. 1309), **activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller** (p. 1342), **activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller** (p. 1406), **activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller** (p. 1453), **activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller** (p. 1516), **activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller** (p. 1546), **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1581), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1650), **activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller** (p. 1791), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1908), **activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller** (p. 2012), **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2173), **activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller** (p. 2349), **activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller** (p. 2659), **activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller** (p. 2697), **activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller** (p. 2731), **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786), **activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller** (p. 2839), **activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller** (p. 3139), **activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller** (p. 3209), **activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller** (p. 3298), **activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller** (p. 3324), **activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller**

(p. 3362), **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3406), **activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller** (p. 3523), **activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller** (p. 3595), and **activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller** (p. 3975).

6.126.3.3 virtual int activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 192), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 237), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 367), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 395), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 443), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 556), **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 674), **activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller** (p. 913), **activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller** (p. 1309), **activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller** (p. 1343), **activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller** (p. 1407), **activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller** (p. 1454), **activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller** (p. 1517), **activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller** (p. 1546), **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1581), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1650), **activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller** (p. 1791), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1909), **activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller** (p. 2013), **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2174), **activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller** (p. 2349),

activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller (p. 2660), **activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller** (p. 2697), **activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller** (p. 2732), **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2787), **activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller** (p. 2840), **activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller** (p. 3140), **activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller** (p. 3210), **activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller** (p. 3299), **activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller** (p. 3325), **activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller** (p. 3362), **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3407), **activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller** (p. 3524), **activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller** (p. 3596), and **activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller** (p. 3975).

6.126.3.4 virtual void activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 193), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 238), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 368), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 396), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 444), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 556), **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 675), **activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller** (p. 914), **activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller** (p. 1310), **activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller** (p. 1343), **activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller** (p. 1407), **activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller** (p. 1454), **activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller** (p. 1517),

activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller (p. 1547), **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1582), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1651), **activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller** (p. 1792), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1909), **activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller** (p. 2013), **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2174), **activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller** (p. 2350), **activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller** (p. 2660), **activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller** (p. 2698), **activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller** (p. 2732), **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788), **activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller** (p. 2840), **activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller** (p. 3140), **activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller** (p. 3210), **activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller** (p. 3299), **activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller** (p. 3325), **activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller** (p. 3363), **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3407), **activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller** (p. 3524), **activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller** (p. 3596), and **activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller** (p. 3976).

6.126.3.5 virtual void activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 193), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 238), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 368), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 396), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 444), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller**

(p. 557), **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 675), **activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller** (p. 914), **activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller** (p. 1310), **activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller** (p. 1344), **activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller** (p. 1408), **activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller** (p. 1455), **activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller** (p. 1518), **activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller** (p. 1547), **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1582), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1651), **activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller** (p. 1792), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1910), **activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller** (p. 2014), **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2175), **activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller** (p. 2350), **activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller** (p. 2661), **activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller** (p. 2698), **activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller** (p. 2733), **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788), **activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller** (p. 2841), **activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller** (p. 3141), **activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller** (p. 3211), **activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller** (p. 3300), **activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller** (p. 3326), **activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller** (p. 3363), **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3408), **activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller** (p. 3525), **activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller** (p. 3597), and **activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller** (p. 3976).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**BaseCommandMarshaller.h**

6.127 activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 778).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/BaseCommandMars
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller:

Public Member Functions

- **BaseCommandMarshaller** ()

- virtual ~**BaseCommandMarshaller** ()

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.127.1 Detailed Description

Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 778). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.127.2 Constructor & Destructor Documentation

6.127.2.1 activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller::BaseCommandMarshaller ( ) [inline]

6.127.2.2 virtual activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller::~BaseCommandMarshaller ( ) [inline, virtual]

6.127.3 Member Function Documentation

6.127.3.1 virtual void activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 200), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 245), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 375), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 403), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 451), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 563), **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 677), **activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller** (p. 916), **activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller** (p. 1313), **activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller** (p. 1346), **activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller** (p. 1410), **activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller** (p. 1457), **activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller** (p. 1520), **activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller** (p. 1550), **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1585), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1654), **activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller** (p. 1795), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1917), **activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller** (p. 2016), **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2177),

activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller (p. 2353), **activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller** (p. 2663), **activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller** (p. 2705), **activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller** (p. 2735), **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795), **activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller** (p. 2843), **activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller** (p. 3134), **activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller** (p. 3192), **activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller** (p. 3311), **activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller** (p. 3341), **activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller** (p. 3349), **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390), **activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller** (p. 3531), **activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller** (p. 3599), and **activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller** (p. 3983).

6.127.3.2 virtual void activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) `[virtual]`

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 200), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 245), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 375), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 403), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 451), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 564), **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 678), **activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller** (p. 917), **activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller** (p. 1313), **activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller** (p. 1347), **activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller** (p. 1410), **activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller** (p. 1457), **activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller** (p. 1520), **activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller** (p. 1550),

activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller (p. 1585), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1654), **activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller** (p. 1795), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1917), **activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller** (p. 2017), **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2178), **activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller** (p. 2353), **activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller** (p. 2663), **activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller** (p. 2705), **activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller** (p. 2735), **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795), **activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller** (p. 2843), **activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller** (p. 3135), **activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller** (p. 3192), **activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller** (p. 3311), **activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller** (p. 3341), **activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller** (p. 3349), **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3391), **activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller** (p. 3532), **activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller** (p. 3599), and **activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller** (p. 3983).

6.127.3.3 virtual int activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 201), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 246), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 376), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller**

(p. 404), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 452), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 564), **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 678), **activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller** (p. 917), **activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller** (p. 1314), **activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller** (p. 1347), **activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller** (p. 1411), **activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller** (p. 1458), **activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller** (p. 1521), **activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller** (p. 1551), **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1586), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1654), **activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller** (p. 1796), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1917), **activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller** (p. 2017), **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2178), **activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller** (p. 2354), **activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller** (p. 2664), **activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller** (p. 2706), **activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller** (p. 2736), **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2796), **activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller** (p. 2844), **activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller** (p. 3135), **activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller** (p. 3193), **activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller** (p. 3312), **activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller** (p. 3342), **activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller** (p. 3350), **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3392), **activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller** (p. 3532), **activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller** (p. 3600), and **activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller** (p. 3984).

6.127.3.4 virtual void activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 201), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 246), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 376), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 404), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 452), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 565), **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 679), **activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller** (p. 918), **activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller** (p. 1314), **activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller** (p. 1348), **activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller** (p. 1411), **activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller** (p. 1458), **activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller** (p. 1521), **activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller** (p. 1551), **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1586), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1655), **activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller** (p. 1796), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1918), **activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller** (p. 2018), **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2179), **activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller** (p. 2354), **activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller** (p. 2664), **activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller** (p. 2706), **activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller** (p. 2736), **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797), **activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller** (p. 2844), **activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller** (p. 3136), **activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller** (p. 3193), **activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller** (p. 3312), **activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller** (p. 3342), **activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller** (p. 3350), **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3392), **activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller** (p. 3533), **activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller** (p. 3600), and **activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller** (p. 3984).

6.127.3.5 virtual void activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 202), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 247), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 377), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 405), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 453), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 565), **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 679), **activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller** (p. 918), **activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller** (p. 1315), **activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller** (p. 1348), **activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller** (p. 1412), **activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller** (p. 1459), **activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller** (p. 1522), **activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller** (p. 1552), **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1587), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1655), **activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller** (p. 1797), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1918), **activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller** (p. 2018), **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2179), **activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller** (p. 2355), **activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller** (p. 2665), **activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller** (p. 2707), **activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller** (p. 2737), **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797), **activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller** (p. 2845), **activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller** (p. 3136), **activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller** (p. 3194), **activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller** (p. 3313), **activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller** (p. 3343), **activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller** (p. 3351), **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3393), **activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller** (p. 3533), **activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller** (p. 3601), and **activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller** (p. 3985).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**BaseCommandMarshaller.h**

6.128 activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 786).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/BaseCommandMars`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller:

Public Member Functions

- **BaseCommandMarshaller** ()
- virtual ∼**BaseCommandMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.128.1 Detailed Description

Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 786). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.128.2 Constructor & Destructor Documentation

6.128.2.1 activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller::BaseCommandMarshaller ( ) [inline]

6.128.2.2 virtual activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller::~BaseCommandMarshaller ( ) [inline, virtual]

6.128.3 Member Function Documentation

6.128.3.1 virtual void activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 195), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 241), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 370), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 399), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 446), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 559), **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 682), **activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller** (p. 921), **activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller** (p. 1317), **activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller** (p. 1350), **activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller** (p. 1414), **activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller** (p. 1461), **activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller** (p. 1524), **activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller** (p. 1554),

activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller (p. 1589), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1658), **activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller** (p. 1799), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1921), **activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller** (p. 2020), **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2182), **activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller** (p. 2361), **activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller** (p. 2667), **activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller** (p. 2709), **activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller** (p. 2739), **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2799), **activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller** (p. 2847), **activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller** (p. 3151), **activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller** (p. 3200), **activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller** (p. 3302), **activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller** (p. 3320), **activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller** (p. 3353), **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410), **activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller** (p. 3519), **activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller** (p. 3586), and **activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller** (p. 3970).

6.128.3.2 virtual void activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 196), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 241), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 371), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 399), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 447), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 559), **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 682), **activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller** (p. 921),

activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller (p. 1317), **activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller** (p. 1351), **activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller** (p. 1415), **activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller** (p. 1462), **activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller** (p. 1525), **activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller** (p. 1554), **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1590), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1658), **activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller** (p. 1799), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1921), **activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller** (p. 2021), **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2182), **activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller** (p. 2362), **activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller** (p. 2668), **activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller** (p. 2710), **activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller** (p. 2740), **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800), **activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller** (p. 2848), **activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller** (p. 3152), **activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller** (p. 3201), **activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller** (p. 3303), **activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller** (p. 3320), **activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller** (p. 3353), **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3411), **activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller** (p. 3519), **activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller** (p. 3587), and **activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller** (p. 3970).

6.128.3.3 virtual int activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 196), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 242), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 371), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 400), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 447), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 560), **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 683), **activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller** (p. 922), **activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller** (p. 1318), **activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller** (p. 1351), **activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller** (p. 1415), **activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller** (p. 1462), **activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller** (p. 1525), **activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller** (p. 1555), **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1590), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1659), **activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller** (p. 1800), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1922), **activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller** (p. 2021), **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2182), **activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller** (p. 2362), **activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller** (p. 2668), **activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller** (p. 2710), **activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller** (p. 2740), **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800), **activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller** (p. 2848), **activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller** (p. 3152), **activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller** (p. 3201), **activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller** (p. 3303), **activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller** (p. 3321), **activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller** (p. 3354), **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3412), **activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller** (p. 3520), **activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller** (p. 3587), and **activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller** (p. 3971).

6.128.3.4 virtual void activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 197), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 242), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 372), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 400), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 448), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 560), **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 683), **activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller** (p. 922), **activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller** (p. 1318), **activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller** (p. 1352), **activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller** (p. 1416), **activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller** (p. 1463), **activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller** (p. 1526), **activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller** (p. 1555), **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1591), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1659), **activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller** (p. 1800), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1922), **activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller** (p. 2022), **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2183), **activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller** (p. 2363), **activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller** (p. 2669), **activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller** (p. 2711), **activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller** (p. 2741), **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2801), **activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller** (p. 2849), **activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller** (p. 3153), **activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller** (p. 3202), **activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller** (p. 3304), **activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller** (p. 3321), **activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller** (p. 3354), **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3412), **activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller** (p. 3520), **activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller** (p. 3588), and **activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller** (p. 3971).

6.128.3.5 virtual void activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 197), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 243), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 372), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 401), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 448), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 561), **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 684), **activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller** (p. 923), **activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller** (p. 1319), **activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller** (p. 1352), **activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller** (p. 1416), **activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller** (p. 1463), **activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller** (p. 1526), **activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller** (p. 1556), **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1591), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1660), **activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller** (p. 1801), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1923), **activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller** (p. 2022), **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2183), **activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller** (p. 2363), **activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller** (p. 2669), **activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller** (p. 2711), **activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller** (p. 2741), **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2802), **activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller** (p. 2849), **activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller** (p. 3153), **activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller** (p. 3202), **activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller** (p. 3304), **activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller**

(p. 3322), **activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller** (p. 3355), **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3413), **activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller** (p. 3521), **activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller** (p. 3588), and **activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller** (p. 3972).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**BaseCommandMarshaller.h**

6.129 activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 793).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller:

Public Member Functions

- **BaseCommandMarshaller** ()
- virtual ∼**BaseCommandMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.129.1 Detailed Description

Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 793). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.129.2 Constructor & Destructor Documentation

6.129.2.1 activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller::BaseCommandMarshaller ( ) [inline]

6.129.2.2 virtual activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller::~BaseCommandMarshaller ( ) [inline, virtual]

6.129.3 Member Function Documentation

6.129.3.1 virtual void activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 208), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 249), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 379), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 407), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 455), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 567), **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 686), **activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller** (p. 925), **activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller** (p. 1321), **activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller** (p. 1355),

activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller (p. 1418), **activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller** (p. 1465), **activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller** (p. 1528), **activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller** (p. 1558), **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1594), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1636), **activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller** (p. 1807), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1912), **activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller** (p. 2025), **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2186), **activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller** (p. 2357), **activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller** (p. 2671), **activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller** (p. 2701), **activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller** (p. 2743), **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2781), **activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller** (p. 2834), **activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller** (p. 3143), **activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller** (p. 3205), **activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller** (p. 3306), **activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller** (p. 3337), **activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller** (p. 3370), **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400), **activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller** (p. 3514), **activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller** (p. 3590), and **activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller** (p. 3966).

6.129.3.2 virtual void activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 209), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 250), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 379), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller**

(p. 408), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 455), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 568), **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 686), **activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller** (p. 925), **activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller** (p. 1322), **activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller** (p. 1355), **activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller** (p. 1419), **activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller** (p. 1466), **activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller** (p. 1529), **activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller** (p. 1559), **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1594), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1637), **activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller** (p. 1808), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1913), **activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller** (p. 2025), **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2186), **activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller** (p. 2357), **activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller** (p. 2672), **activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller** (p. 2701), **activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller** (p. 2744), **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2782), **activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller** (p. 2835), **activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller** (p. 3143), **activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller** (p. 3205), **activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller** (p. 3307), **activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller** (p. 3337), **activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller** (p. 3370), **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3401), **activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller** (p. 3515), **activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller** (p. 3591), and **activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller** (p. 3966).

6.129.3.3 virtual int activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 209), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 250), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 380), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 408), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 456), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 568), **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 687), **activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller** (p. 926), **activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller** (p. 1322), **activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller** (p. 1356), **activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller** (p. 1419), **activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller** (p. 1466), **activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller** (p. 1529), **activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller** (p. 1559), **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1594), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1637), **activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller** (p. 1808), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1913), **activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller** (p. 2026), **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2187), **activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller** (p. 2358), **activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller** (p. 2672), **activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller** (p. 2702), **activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller** (p. 2744), **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783), **activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller** (p. 2835), **activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller** (p. 3144), **activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller** (p. 3206), **activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller** (p. 3307), **activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller** (p. 3338), **activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller** (p. 3371), **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3402), **activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller** (p. 3515), **activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller** (p. 3591), and **activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller** (p. 3967).

6.129.3.4 virtual void activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 210), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 251), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 380), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 409), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 456), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 569), **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 687), **activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller** (p. 926), **activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller** (p. 1323), **activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller** (p. 1356), **activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller** (p. 1420), **activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller** (p. 1467), **activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller** (p. 1530), **activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller** (p. 1560), **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1595), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1638), **activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller** (p. 1809), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1914), **activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller** (p. 2026), **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2187), **activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller** (p. 2358), **activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller** (p. 2673), **activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller** (p. 2702), **activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller** (p. 2745), **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783), **activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller** (p. 2836), **activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller** (p. 3144), **activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller** (p. 3206), **activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller** (p. 3308), **activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller** (p. 3338), **activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller** (p. 3371), **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3402), **activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller** (p. 3516), **activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller** (p. 3592), and **activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller** (p. 3967).

6.129.3.5 virtual void activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 210), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 251), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 381), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 409), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 457), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 569), **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 688), **activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller** (p. 927), **activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller** (p. 1323), **activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller** (p. 1357), **activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller** (p. 1420), **activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller** (p. 1467), **activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller** (p. 1530), **activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller** (p. 1560), **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1595), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1638), **activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller** (p. 1809), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1914), **activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller** (p. 2027), **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2188), **activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller** (p. 2359), **activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller** (p. 2673), **activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller** (p. 2703), **activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller** (p. 2745), **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2784), **activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller** (p. 2836), **activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller** (p. 3145), **activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller** (p. 3207), **activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller** (p. 3308), **activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller**

(p. 3339), **activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller** (p. 3372), **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3403), **activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller** (p. 3516), **activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller** (p. 3592), and **activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller** (p. 3968).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**BaseCommandMarshaller.h**

6.130 activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 800).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/BaseCommandMars
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller:

Public Member Functions

- **BaseCommandMarshaller** ()
- virtual ∼**BaseCommandMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.130.1 Detailed Description

Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 800). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.130.2 Constructor & Destructor Documentation

6.130.2.1 activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller::BaseCommandMarshaller ( ) [inline]

6.130.2.2 virtual activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller::~BaseCommandMarshaller ( ) [inline, virtual]

6.130.3 Member Function Documentation

6.130.3.1 virtual void activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 212), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 253), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 387), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 416), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 463), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 576), **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 690), **activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller** (p. 929), **activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller** (p. 1325), **activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller** (p. 1359),

activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller (p. 1423), **activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller** (p. 1470), **activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller** (p. 1533), **activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller** (p. 1562), **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1598), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1641), **activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller** (p. 1803), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1899), **activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller** (p. 2003), **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2164), **activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller** (p. 2340), **activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller** (p. 2650), **activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller** (p. 2713), **activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller** (p. 2722), **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804), **activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller** (p. 2851), **activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller** (p. 3147), **activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller** (p. 3213), **activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller** (p. 3294), **activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller** (p. 3332), **activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller** (p. 3366), **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415), **activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller** (p. 3510), **activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller** (p. 3578), and **activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller** (p. 3978).

6.130.3.2 virtual void activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 213), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 254), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 388), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller**

(p. 416), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 464), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 576), **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 691), **activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller** (p. 930), **activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller** (p. 1326), **activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller** (p. 1359), **activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller** (p. 1423), **activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller** (p. 1470), **activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller** (p. 1533), **activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller** (p. 1563), **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1598), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1641), **activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller** (p. 1804), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1900), **activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller** (p. 2004), **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2165), **activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller** (p. 2340), **activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller** (p. 2651), **activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller** (p. 2714), **activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller** (p. 2723), **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804), **activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller** (p. 2852), **activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller** (p. 3148), **activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller** (p. 3214), **activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller** (p. 3294), **activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller** (p. 3333), **activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller** (p. 3366), **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3416), **activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller** (p. 3511), **activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller** (p. 3578), and **activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller** (p. 3979).

6.130.3.3 virtual int activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 213), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 254), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 388), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 417), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 464), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 577), **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 691), **activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller** (p. 930), **activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller** (p. 1326), **activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller** (p. 1360), **activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller** (p. 1424), **activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller** (p. 1471), **activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller** (p. 1534), **activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller** (p. 1563), **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1599), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1642), **activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller** (p. 1804), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1900), **activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller** (p. 2004), **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2165), **activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller** (p. 2341), **activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller** (p. 2651), **activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller** (p. 2714), **activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller** (p. 2723), **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2805), **activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller** (p. 2852), **activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller** (p. 3148), **activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller** (p. 3214), **activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller** (p. 3295), **activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller** (p. 3333), **activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller** (p. 3367), **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3417), **activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller** (p. 3511), **activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller** (p. 3579), and **activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller** (p. 3979).

6.130.3.4 virtual void activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 214), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 255), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 389), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 417), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 465), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 577), **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 692), **activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller** (p. 931), **activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller** (p. 1327), **activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller** (p. 1360), **activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller** (p. 1424), **activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller** (p. 1471), **activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller** (p. 1534), **activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller** (p. 1564), **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1599), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1642), **activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller** (p. 1805), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1901), **activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller** (p. 2005), **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2166), **activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller** (p. 2341), **activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller** (p. 2652), **activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller** (p. 2715), **activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller** (p. 2724), **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806), **activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller** (p. 2853), **activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller** (p. 3149), **activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller** (p. 3215), **activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller** (p. 3295), **activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller** (p. 3334), **activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller** (p. 3367), **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3417), **activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller** (p. 3512), **activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller** (p. 3579), and **activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller** (p. 3980).

6.130.3.5 virtual void activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 214), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 255), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 389), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 418), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 465), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 578), **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 692), **activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller** (p. 931), **activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller** (p. 1327), **activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller** (p. 1361), **activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller** (p. 1425), **activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller** (p. 1472), **activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller** (p. 1535), **activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller** (p. 1564), **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1600), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1643), **activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller** (p. 1805), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1901), **activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller** (p. 2005), **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2166), **activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller** (p. 2342), **activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller** (p. 2652), **activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller** (p. 2715), **activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller** (p. 2724), **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806), **activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller** (p. 2853), **activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller** (p. 3149), **activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller** (p. 3215), **activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller** (p. 3296), **activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller**

(p. 3334), **activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller** (p. 3368), **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3418), **activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller** (p. 3512), **activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller** (p. 3580), and **activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller** (p. 3980).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**BaseCommandMarshaller.h**

6.131 activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 807).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller:

Public Member Functions

- **BaseCommandMarshaller** ()
- virtual ∼**BaseCommandMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.131.1 Detailed Description

Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 807). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.131.2 Constructor & Destructor Documentation

6.131.2.1 activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller::BaseCommandMarshaller ( ) [inline]

6.131.2.2 virtual activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller::~BaseCommandMarshaller ( ) [inline, virtual]

6.131.3 Member Function Documentation

6.131.3.1 virtual void activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 204), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 258), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 383), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 411), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 459), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 572), **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 694), **activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller** (p. 933), **activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller** (p. 1330), **activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller** (p. 1338),

activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller (p. 1401), **activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller** (p. 1448), **activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller** (p. 1511), **activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller** (p. 1541), **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1576), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1645), **activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller** (p. 1786), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1904), **activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller** (p. 2008), **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2169), **activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller** (p. 2344), **activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller** (p. 2654), **activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller** (p. 2692), **activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller** (p. 2726), **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2790), **activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller** (p. 2830), **activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller** (p. 3130), **activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller** (p. 3196), **activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller** (p. 3289), **activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller** (p. 3328), **activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller** (p. 3357), **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395), **activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller** (p. 3527), **activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller** (p. 3582), and **activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller** (p. 3987).

6.131.3.2 virtual void activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat,* commands::DataStructure * *dataStructure,* decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) `[virtual]`

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 204), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 258), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 384), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller**

(p. 412), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 460), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 572), **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 695), **activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller** (p. 934), **activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller** (p. 1330), **activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller** (p. 1338), **activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller** (p. 1402), **activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller** (p. 1449), **activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller** (p. 1512), **activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller** (p. 1542), **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1577), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1645), **activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller** (p. 1787), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1904), **activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller** (p. 2008), **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2169), **activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller** (p. 2345), **activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller** (p. 2655), **activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller** (p. 2693), **activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller** (p. 2727), **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791), **activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller** (p. 2831), **activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller** (p. 3131), **activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller** (p. 3197), **activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller** (p. 3290), **activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller** (p. 3329), **activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller** (p. 3358), **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3396), **activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller** (p. 3528), **activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller** (p. 3582), and **activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller** (p. 3987).

6.131.3.3 virtual int activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 205), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 259), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 384), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 412), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 460), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 573), **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 695), **activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller** (p. 934), **activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller** (p. 1331), **activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller** (p. 1339), **activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller** (p. 1402), **activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller** (p. 1449), **activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller** (p. 1512), **activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller** (p. 1542), **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1577), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1646), **activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller** (p. 1787), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1905), **activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller** (p. 2009), **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2169), **activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller** (p. 2345), **activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller** (p. 2655), **activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller** (p. 2693), **activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller** (p. 2727), **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791), **activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller** (p. 2831), **activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller** (p. 3131), **activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller** (p. 3197), **activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller** (p. 3290), **activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller** (p. 3329), **activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller** (p. 3358), **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3397), **activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller** (p. 3528), **activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller** (p. 3583), and **activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller** (p. 3988).

6.131.3.4 virtual void activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 205), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 259), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 385), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 413), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 461), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 573), **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 696), **activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller** (p. 935), **activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller** (p. 1331), **activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller** (p. 1339), **activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller** (p. 1403), **activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller** (p. 1450), **activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller** (p. 1513), **activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller** (p. 1543), **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1578), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1646), **activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller** (p. 1788), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1905), **activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller** (p. 2009), **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2170), **activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller** (p. 2346), **activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller** (p. 2656), **activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller** (p. 2694), **activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller** (p. 2728), **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2792), **activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller** (p. 2832), **activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller** (p. 3132), **activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller** (p. 3198), **activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller** (p. 3291), **activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller** (p. 3330), **activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller** (p. 3359), **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3397), **activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller** (p. 3529), **activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller** (p. 3583), and **activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller** (p. 3988).

6.131.3.5 virtual void activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 206), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 260), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 385), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 413), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 461), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 574), **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 696), **activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller** (p. 935), **activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller** (p. 1332), **activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller** (p. 1340), **activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller** (p. 1403), **activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller** (p. 1450), **activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller** (p. 1513), **activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller** (p. 1543), **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1578), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1647), **activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller** (p. 1788), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1906), **activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller** (p. 2010), **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2170), **activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller** (p. 2346), **activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller** (p. 2656), **activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller** (p. 2694), **activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller** (p. 2728), **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2793), **activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller** (p. 2832), **activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller** (p. 3132), **activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller** (p. 3198), **activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller** (p. 3291), **activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller**

(p. 3330), **activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller** (p. 3359), **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3398), **activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller** (p. 3529), **activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller** (p. 3584), and **activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller** (p. 3989).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**BaseCommandMarshaller.h**

6.132 activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller Class Reference

Base class for all Marshallers that marshal DataStructures to and from the wire using the OpenWire protocol.

```
#include <src/main/activemq/wireformat/openwire/marshal/BaseDataStreamMars
```

Inherits **activemq::wireformat::openwire::marshal::DataStreamMarshaller**.

Inherited by **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller**, **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller**, **activemq::wireformat::openw**
activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller, **activemq::wireformat::openwi**
activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller, **activemq::wireformat::openv**
activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller, **activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller**, **activemq::wireformat::openwire:**
activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller, **activemq::wireformat::openwire::**
activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller, **activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller**, **activemq::wireformat::openwire::n**
activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller, **activemq::wireformat::oper**
activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller, **activemq::wireformat::open**
activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller, **activemq::wireformat::openw**
activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller, **activemq::wireformat::openwi**
activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller, **activemq::wireformat::openv**
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller, **activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller**, **activemq::wireformat::openwire:**
activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller, **activemq::wireformat::openwire::**
activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller, **activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller**, **activemq::wireformat::openwire::n**
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller, **activemq::wireformat::oper**
activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller, **activemq::wireformat::open**
activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller, **activemq::wireformat::openw**
activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller, **activemq::wireformat::openwi**
activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller, **activemq::wireformat::openv**
activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller, **activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller**, **activemq::wireformat::openwire:**
activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller, **activemq::wireformat::openwire::**
activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller, **activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller**, **activemq::wireformat::openwire::n**
activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller, **activemq::wireformat::oper**

activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller, **activemq::wireformat::openwire::marsh**
activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller, **activemq::wireformat::openwire::marsha**
activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller, **activemq::wireformat::openwire::marshal:**
activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller, **activemq::wireformat::openwire::marsha**
activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller, **ac-**
tivemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller, **activemq::wireformat::openwire::marshal::v**
activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller, **activemq::wireformat::openwire::marshal::v4**
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller, **ac-**
tivemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller, **activemq::wireformat::openwire::marshal::v4:**
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller, **activemq::wireformat::openwire::marsh**
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller, **activemq::wireformat::openwire::marsh**
activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller, **activemq::wireformat::openwire::marsha**
activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller, **activemq::wireformat::openwire::marshal:**
activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller, **activemq::wireformat::openwire::marsha**
activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller, **ac-**
tivemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller, **activemq::wireformat::openwire::marshal::v**
activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller, **activemq::wireformat::openwire::marshal::v5**
activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller, **ac-**
tivemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller, **activemq::wireformat::openwire::marshal::v5:**
activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller, **activemq::wireformat::openwire::marsh**
activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller, **activemq::wireformat::openwire::marsh**
activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller, **activemq::wireformat::openwire::marsha**
activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller, **activemq::wireformat::openwire::marshal:**
activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller, **activemq::wireformat::openwire::marsha**
activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller, **ac-**
tivemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller, **activemq::wireformat::openwire::marshal::v**
activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller, **activemq::wireformat::openwire::marshal::v6**
activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller, **ac-**
tivemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller, **activemq::wireformat::openwire::marshal::v6:**
activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller, **activemq::wireformat::openwire::marsh**
and **activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller**.

Public Member Functions

- virtual ~**BaseDataStreamMarshaller** ()
- virtual int **tightMarshal1** (**OpenWireFormat** *format AMQCPP_UNUSED, **commands::DataStructure** *command AMQCPP_UNUSED, **utils::BooleanStream** *bs AMQCPP_UNUSED) throw (decaf::io::IOException)

  Tight Marhsal to the given stream.

- virtual void **tightMarshal2** (**OpenWireFormat** *format AMQCPP_UNUSED, **commands::DataStructure** *command AMQCPP_UNUSED, **decaf::io::DataOutputStream** *ds AMQCPP_UNUSED, **utils::BooleanStream** *bs AMQCPP_UNUSED) throw (decaf::io::IOException)

  Tight Marshal to the given stream.

- virtual void **tightUnmarshal** (**OpenWireFormat** *format AMQCPP_UNUSED, **commands::DataStructure** *command AMQCPP_UNUSED, **decaf::io::DataInputStream**

∗dis AMQCPP_UNUSED, **utils::BooleanStream** ∗bs AMQCPP_UNUSED) throw (decaf::io::IOException)

Tight Un-Marshal to the given stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗format AMQCPP_UNUSED, **commands::DataStructure** ∗command AMQCPP_UNUSED, **decaf::io::DataOutputStream** ∗ds AMQCPP_UNUSED) throw (decaf::io::IOException)

  Tight Marshal to the given stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗format AMQCPP_UNUSED, **commands::DataStructure** ∗command AMQCPP_UNUSED, **decaf::io::DataInputStream** ∗dis AMQCPP_UNUSED) throw (decaf::io::IOException)

  Loose Un-Marshal to the given stream.

Static Public Member Functions

- static std::string **toString** (const **commands::MessageId** ∗id)

  Converts the object to a String.

- static std::string **toString** (const **commands::ProducerId** ∗id)

  Converts the object to a String.

- static std::string **toString** (const **commands::TransactionId** ∗txnId)

  Converts the given transaction ID into a String.

- static std::string **toHexFromBytes** (const std::vector< unsigned char > &data)

  given an array of bytes, convert that array to a Hexidecimal coded string that represents that data.

Protected Member Functions

- virtual **commands::DataStructure** ∗ **tightUnmarshalCachedObject** (**OpenWireFormat** ∗wireFormat, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tight Unmarshal the cached object.

- virtual int **tightMarshalCachedObject1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗data, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tightly marshals the passed DataStructure based object to the passed BooleanStream returning the size of the data marshaled.

- virtual void **tightMarshalCachedObject2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗data, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

Tightly marshals the passed DataStructure based object to the passed streams returning nothing.

- virtual void **looseMarshalCachedObject** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗data, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Loosely marshals the passed DataStructure based object to the passed stream returning nothing.

- virtual **commands::DataStructure** ∗ **looseUnmarshalCachedObject** (**OpenWireFormat** ∗wireFormat, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Loose Unmarshal the cached object.

- virtual int **tightMarshalNestedObject1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗object, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tightly marshals the passed DataStructure based object to the passed BooleanStream returning the size of the data marshaled.

- virtual void **tightMarshalNestedObject2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗object, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tightly marshals the passed DataStructure based object to the passed streams returning nothing.

- virtual **commands::DataStructure** ∗ **tightUnmarshalNestedObject** (**OpenWireFormat** ∗wireFormat, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tight Unmarshal the nested object.

- virtual **commands::DataStructure** ∗ **looseUnmarshalNestedObject** (**OpenWireFormat** ∗wireFormat, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Loose Unmarshal the nested object.

- virtual void **looseMarshalNestedObject** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗object, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Loose marshall the nested object.

- virtual std::string **tightUnmarshalString** (**decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Performs Tight Unmarshaling of String Objects.

- virtual int **tightMarshalString1** (const std::string &value, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tight Marshals the String to a Booleans Stream Object, returns the marshaled size.

- virtual void **tightMarshalString2** (const std::string &value, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tight Marshals the passed string to the streams passed.

- virtual void **looseMarshalString** (const std::string value, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Loose Marshal the String to the DataOuputStream passed.

- virtual std::string **looseUnmarshalString** (**decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Loose Un-Marshal the String to the DataOuputStream passed.

- virtual int **tightMarshalLong1** (**OpenWireFormat** ∗wireFormat, long long value, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tightly marshal the long long to the BooleanStream passed.

- virtual void **tightMarshalLong2** (**OpenWireFormat** ∗wireFormat, long long value, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tightly marshal the long long to the Streams passed.

- virtual long long **tightUnmarshalLong** (**OpenWireFormat** ∗wireFormat, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tight marshal the long long type.

- virtual void **looseMarshalLong** (**OpenWireFormat** ∗wireFormat, long long value, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Tightly marshal the long long to the BooleanStream passed.

- virtual long long **looseUnmarshalLong** (**OpenWireFormat** ∗wireFormat, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Loose marshal the long long type.

- virtual std::vector< unsigned char > **tightUnmarshalByteArray** (**decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tight Unmarshal an array of char.

- virtual std::vector< unsigned char > **looseUnmarshalByteArray** (**decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Loose Unmarshal an array of char.

- virtual std::vector< unsigned char > **tightUnmarshalConstByteArray** (**decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs, int size) throw (decaf::io::IOException)

  Tight Unmarshal a fixed size array from that data input stream and return an stl vector of char as the resultant.

- virtual std::vector< unsigned char > **looseUnmarshalConstByteArray** (**decaf::io::DataInputStream** ∗dataIn, int size) throw (decaf::io::IOException)

  Tight Unmarshal a fixed size array from that data input stream and return an stl vector of char as the resultant.

- virtual **commands::DataStructure** ∗ **tightUnmarshalBrokerError** (**OpenWireFormat** ∗wireFormat, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tight Unarshall the Error object.

- virtual int **tightMarshalBrokerError1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗data, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tight Marshal the Error object.

- virtual void **tightMarshalBrokerError2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗data, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tight Marshal the Error object.

- virtual **commands::DataStructure** ∗ **looseUnmarshalBrokerError** (**OpenWireFormat** ∗wireFormat, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Loose Unarshal the Error object.

- virtual void **looseMarshalBrokerError** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗data, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Tight Marshal the Error object.

- template<typename T >
  int **tightMarshalObjectArray1** (**OpenWireFormat** ∗wireFormat, std::vector< T > objects, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tightly Marshal an array of DataStructure objects to the provided boolean stream, and return the size that the tight marshalling is going to take.

- template<typename T >
  void **tightMarshalObjectArray2** (**OpenWireFormat** ∗wireFormat, std::vector< T > objects, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Tightly Marshal an array of DataStructure objects to the provided boolean stream and data output stream.

- template<typename T >
  void **looseMarshalObjectArray** (**OpenWireFormat** ∗wireFormat, std::vector< T > objects, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Loosely Marshal an array of DataStructure objects to the provided boolean stream and data output stream.

- virtual std::string **readAsciiString** (**decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Given an DataInputStream read a know ASCII formatted string from the input and return that string.

6.132.1 Detailed Description

Base class for all Marshallers that marshal DataStructures to and from the wire using the OpenWire protocol.

Since

2.0

6.132.2 Constructor & Destructor Documentation

6.132.2.1 virtual activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::∼BaseDataStreamMarshaller ( ) [inline, virtual]

6.132.3 Member Function Documentation

6.132.3.1 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseMarshal (OpenWireFormat ∗format *AMQCPP_UNUSED*, commands::DataStructure ∗command *AMQCPP_UNUSED*, decaf::io::DataOutputStream ∗ds *AMQCPP_UNUSED*) throw (decaf::io::IOException) [inline, virtual]

Tight Marshal to the given stream.

Parameters

format	- The OpenwireFormat properties
command	- the object to Marshal
ds	- DataOutputStream to marshal to

Exceptions

IOException	if an error occurs.

6.132.3.2 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseMarshalBrokerError (OpenWireFormat * *wireFormat*, commands::DataStructure * *data*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [protected, virtual]

Tight Marshal the Error object.

Parameters

wireFormat	- The OpenwireFormat properties
data	- Error to Marshal
dataOut	- stream to write marshalled data to

Exceptions

IOException	if an error occurs.

6.132.3.3 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseMarshalCachedObject (OpenWireFormat * *wireFormat*, commands::DataStructure * *data*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [protected, virtual]

Loosely marshals the passed DataStructure based object to the passed stream returning nothing.

Parameters

wireFormat	- The OpenwireFormat properties
data	- DataStructure Object Pointer to marshal
dataOut	- stream to write marshaled data to

Exceptions

IOException	if an error occurs.

6.132.3.4 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseMarshalLong (OpenWireFormat * *wireFormat*, long long *value*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [protected, virtual]

Tightly marshal the long long to the BooleanStream passed.

Parameters

wireFormat	- The OpenwireFormat properties
value	- long long to marshal
dataOut	- DataOutputStream to marshal to.

Exceptions

IOException	if an error occurs.

6.132.3.5 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseMarshalNestedObject (OpenWireFormat * *wireFormat*, commands::DataStructure * *object*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [protected, virtual]

Loose marshall the nested object.

Parameters

wireFormat	- The OpenwireFormat properties
object	- DataStructure Object Pointer to marshal
dataOut	- stream to write marshaled data to

Exceptions

IOException	if an error occurs.

6.132.3.6 template<typename T > void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseMarshalC (OpenWireFormat * *wireFormat*, std::vector< T > *objects*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [inline, protected]

Loosely Marshal an array of DataStructure objects to the provided boolean stream and data output stream.

Parameters

wireFormat	- The OpenwireFormat properties
objects	- array of DataStructure object pointers.
dataOut	- stream to write marshalled data to

Returns

size of the marshalled data

Exceptions

IOException	if an error occurs.

References AMQ_CATCH_EXCEPTION_CONVERT, AMQ_CATCH_RETHROW, and AMQ_CATCHALL_THROW.

6.132.3.7 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseMarshalString (const std::string *value*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [protected, virtual]

Loose Marshal the String to the DataOuputStream passed.

Parameters

value	- string to marshal
dataOut	- stream to write marshaled form to

Exceptions

IOException	if an error occurs.

6.132.3.8 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseUnmarshal (OpenWireFormat *format *AMQCPP_UNUSED*, commands::DataStructure *command *AMQCPP_UNUSED*, decaf::io::DataInputStream *dis *AMQCPP_UNUSED*) throw (decaf::io::IOException) [inline, virtual]

Loose Un-Marshal to the given stream.

Parameters

format	- The OpenwireFormat properties
command	- the object to Un-Marshal
dis	- the DataInputStream to Un-Marshal from

Exceptions

IOException	if an error occurs.

6.132.3.9 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseUnmarshalBrokerError (OpenWireFormat * *wireFormat*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [protected, virtual]

Loose Unarshal the Error object.

Parameters

wireFormat	- The OpenwireFormat properties
dataIn	- stream to read marshalled form from

Returns

pointer to a new DataStructure Object

Exceptions

IOException	if an error occurs.

6.132.3.10 virtual std::vector<unsigned char> activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseUnmarshalByteArray (decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [protected, virtual]

Loose Unmarshal an array of char.

Parameters

dataIn	- the DataInputStream to Un-Marshal from

Returns

the unmarshalled vector of chars.

Exceptions

IOException	if an error occurs.

6.132.3.11 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseUnmarshalCachedObject (OpenWireFormat * *wireFormat*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [protected, virtual]

Loose Unmarshal the cached object.

Parameters

wireFormat	- The OpenwireFormat properties
dataIn	- stream to read marshaled form from

Returns

pointer to a new DataStructure Object

Exceptions

IOException	if an error occurs.

6.132.3.12 virtual std::vector<unsigned char> activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseUnmarshalConstByteArray (decaf::io::DataInputStream * *dataIn*, int *size*) throw (decaf::io::IOException) [protected, virtual]

Tight Unmarshal a fixed size array from that data input stream and return an stl vector of char as the resultant.

Parameters

dataIn	- the DataInputStream to Un-Marshal from
size	- size of the const array to unmarshal

Returns

the unmarshaled vector of chars.

Exceptions

IOException	if an error occurs.

6.132.3.13 virtual long long activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseUnmarshalLong (OpenWireFormat * *wireFormat*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [protected, virtual]

Loose marshal the long long type.

Parameters

wireFormat	- The OpenwireFormat properties
dataIn	- stream to read marshaled form from

Returns

the unmarshaled long long

Exceptions

IOException	if an error occurs.

6.132.3.14 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseUnmarshalNestedObject (OpenWireFormat * *wireFormat*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [protected, virtual]

Loose Unmarshal the nested object.

Parameters

wireFormat	- The OpenwireFormat properties

dataIn	- stream to read marshaled form from

Returns

pointer to a new DataStructure Object

Exceptions

IOException	if an error occurs.

6.132.3.15 virtual std::string activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseUnmarshalString (decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException)

`[protected, virtual]`

Loose Un-Marshal the String to the DataOuputStream passed.

Parameters

dataIn	- stream to read marshaled form from

Returns

the unmarshaled string

Exceptions

IOException	if an error occurs.

6.132.3.16 virtual std::string activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::readAsciiString (decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException)

`[protected, virtual]`

Given an DataInputStream read a know ASCII formatted string from the input and return that string.

Parameters

dataIn	- DataInputStream to read from

Returns

string value read from stream

6.132.3.17 virtual int activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshal1 (OpenWireFormat *format *AMQCPP_UNUSED*, commands::DataStructure *command *AMQCPP_UNUSED*, utils::BooleanStream *bs *AMQCPP_UNUSED*) throw (decaf::io::IOException) [inline, virtual]

Tight Marhsal to the given stream.

Parameters

format	- The OpenwireFormat properties
command	- the object to Marshal
bs	- boolean stream to marshal to.

Exceptions

IOException	if an error occurs.

6.132.3.18 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshal2 (OpenWireFormat *format *AMQCPP_UNUSED*, commands::DataStructure *command *AMQCPP_UNUSED*, decaf::io::DataOutputStream *ds *AMQCPP_UNUSED*, utils::BooleanStream *bs *AMQCPP_UNUSED*) throw (decaf::io::IOException) [inline, virtual]

Tight Marshal to the given stream.

Parameters

format	- The OpenwireFormat properties
command	- the object to Marshal
ds	- the DataOutputStream to Marshal to
bs	- boolean stream to marshal to.

Exceptions

IOException	if an error occurs.

6.132.3.19 virtual int activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalBrokerError1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *data*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tight Marshal the Error object.

Parameters

wireFormat	- The OpenwireFormat properties
data	- Error to Marshal
bs	- boolean stream to marshal to.

Returns

size of the marshalled data

Exceptions

IOException	if an error occurs.

6.132.3.20 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalBrokerError2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *data*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tight Marshal the Error object.

Parameters

wireFormat	- The OpenwireFormat properties
data	- Error to Marshal
dataOut	- stream to write marshalled data to
bs	- boolean stream to marshal to.

Exceptions

IOException	if an error occurs.

6.132.3.21 virtual int activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalCachedObject1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *data*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tightly marshals the passed DataStructure based object to the passed BooleanStream returning the size of the data marshaled.

Parameters

wireFormat	- The OpenwireFormat properties
data	- DataStructure Object Pointer to marshal
bs	- boolean stream to marshal to.

Returns

size of data written.

Exceptions

IOException	if an error occurs.

6.132.3.22 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalCachedObject2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *data*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tightly marshals the passed DataStructure based object to the passed streams returning nothing.

Parameters

wireFormat	- The OpenwireFormat properties
data	- DataStructure Object Pointer to marshal
bs	- boolean stream to marshal to.
dataOut	- stream to write marshaled data to

Exceptions

IOException	if an error occurs.

6.132.3.23 virtual int activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalLong1 (OpenWireFormat * *wireFormat*, long long *value*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tightly marshal the long long to the BooleanStream passed.

Parameters

wireFormat	- The OpenwireFormat properties
value	- long long to marshal
bs	- boolean stream to marshal to.

Returns

size of data written.

Exceptions

IOException	if an error occurs.

6.132.3.24 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalLong2 (OpenWireFormat * *wireFormat*, long long *value*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tightly marshal the long long to the Streams passed.

Parameters

wireFormat	- The OpenwireFormat properties

value	- long long to marshal
dataOut	- stream to write marshaled form to
bs	- boolean stream to marshal to.

Exceptions

IOException	if an error occurs.

6.132.3.25 virtual int activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalNestedObject1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *object*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tightly marshals the passed DataStructure based object to the passed BooleanStream returning the size of the data marshaled.

Parameters

wireFormat	- The OpenwireFormat properties
object	- DataStructure Object Pointer to marshal
bs	- boolean stream to marshal to.

Returns

size of data written.

Exceptions

IOException	if an error occurs.

6.132.3.26 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalNestedObject2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *object*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tightly marshals the passed DataStructure based object to the passed streams returning nothing.

Parameters

wireFormat	- The OpenwireFormat properties
object	- DataStructure Object Pointer to marshal
bs	- boolean stream to marshal to.
dataOut	- stream to write marshaled data to

Exceptions

IOException	if an error occurs.

6.132.3.27 template<typename T > int activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalObjectArray1 (OpenWireFormat * *wireFormat*, std::vector< T > *objects*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [inline, protected]

Tightly Marshal an array of DataStructure objects to the provided boolean stream, and return the size that the tight marshalling is going to take.

Parameters

wireFormat	- The OpenwireFormat properties
objects	- array of DataStructure object pointers.
bs	- boolean stream to marshal to.

Returns

size of the marshalled data

Exceptions

IOException	if an error occurs.

References AMQ_CATCH_EXCEPTION_CONVERT, AMQ_CATCH_RETHROW, and AMQ_CATCHALL_THROW.

6.132.3.28 template<typename T > void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalObjectArray2 (OpenWireFormat * *wireFormat*, std::vector< T > *objects*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [inline, protected]

Tightly Marshal an array of DataStructure objects to the provided boolean stream and data output stream.

Parameters

wireFormat	- The OpenwireFormat properties
objects	- array of DataStructure object pointers.
dataOut	- stream to write marshalled data to
bs	- boolean stream to marshal to.

Returns

size of the marshalled data

Exceptions

IOException	if an error occurs.

References AMQ_CATCH_EXCEPTION_CONVERT, AMQ_CATCH_RETHROW, and AMQ_CATCHALL_THROW.

6.132.3.29 virtual int activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalString1 (const std::string & *value*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tight Marshals the String to a Booleans Stream Object, returns the marshaled size.

Parameters

value	- string to marshal
bs	- BooleanStream to use.

Returns

size of marshaled string.

Exceptions

IOException	if an error occurs.

6.132.3.30 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalString2 (const std::string & *value*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tight Marshals the passed string to the streams passed.

Parameters

value	- string to marshal
dataOut	- the DataOutputStream to Marshal to
bs	- boolean stream to marshal to.

Exceptions

IOException	if an error occurs.

6.132.3.31 virtual void activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightUnmarshal (OpenWireFormat *format *AMQCPP_UNUSED*, commands::DataStructure *command *AMQCPP_UNUSED*, decaf::io::DataInputStream *dis *AMQCPP_UNUSED*, utils::BooleanStream *bs *AMQCPP_UNUSED*) throw (decaf::io::IOException) [inline, virtual]

Tight Un-Marshal to the given stream.

Parameters

format	- The OpenwireFormat properties
command	- the object to Un-Marshal
dis	- the DataInputStream to Un-Marshal from
bs	- boolean stream to Un-Marshal from.

Exceptions

IOException	if an error occurs.

6.132.3.32 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightUnmarshalBrokerError (OpenWireFormat * *wireFormat*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tight Unarshall the Error object.

Parameters

wireFormat	- The OpenwireFormat properties
dataIn	- stream to read marshalled form from
bs	- boolean stream to marshal to.

Returns

pointer to a new DataStructure Object

Exceptions

IOException	if an error occurs.

6.132.3.33 virtual std::vector<unsigned char> activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightUnmarshalByteArray (decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tight Unmarshal an array of char.

Parameters

dataIn	- the DataInputStream to Un-Marshal from
bs	- boolean stream to unmarshal from.

Returns

the unmarshaled vector of chars.

Exceptions

IOException	if an error occurs.

6.132.3.34 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightUnmarshalCachedObject (OpenWireFormat * *wireFormat,* decaf::io::DataInputStream * *dataIn,* utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tight Unmarshal the cached object.

Parameters

wireFormat	- The OpenwireFormat properties
dataIn	- stream to read marshaled form from
bs	- boolean stream to marshal to.

Returns

pointer to a new DataStructure Object

Exceptions

IOException	if an error occurs.

6.132.3.35 virtual std::vector<unsigned char> activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightUnmarshalConstByteArray (decaf::io::DataInputStream * *dataIn,* utils::BooleanStream * *bs,* int *size*) throw (decaf::io::IOException) [protected, virtual]

Tight Unmarshal a fixed size array from that data input stream and return an stl vector of char as the resultant.

Parameters

dataIn	- the DataInputStream to Un-Marshal from
bs	- boolean stream to unmarshal from.
size	- size of the const array to unmarshal

Returns

the unmarshaled vector of chars.

Exceptions

IOException	if an error occurs.

6.132.3.36 virtual long long activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightUnmarshalLong (OpenWireFormat * *wireFormat*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tight marshal the long long type.

Parameters

wireFormat	- The OpenwireFormat properties
dataIn	- stream to read marshaled form from
bs	- boolean stream to marshal to.

Returns

the unmarshaled long long

Exceptions

IOException	if an error occurs.

6.132.3.37 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightUnmarshalNestedObject (OpenWireFormat * *wireFormat*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Tight Unmarshal the nested object.

Parameters

wireFormat	- The OpenwireFormat properties
dataIn	- stream to read marshaled form from
bs	- boolean stream to marshal to.

Returns

pointer to a new DataStructure Object

Exceptions

IOException	if an error occurs.

6.132.3.38 virtual std::string activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightUnmarshalString (decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [protected, virtual]

Performs Tight Unmarshaling of String Objects.

Parameters

dataIn	- the DataInputStream to Un-Marshal from
bs	- boolean stream to unmarshal from.

Returns

the unmarshaled string.

Exceptions

IOException	if an error occurs.

6.132.3.39 static std::string activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::toHexFromBytes (const std::vector< unsigned char > & *data*) [static]

given an array of bytes, convert that array to a Hexidecimal coded string that represents that data.

Parameters

data	- unsigned char data array pointer

Returns

a string coded in hex that represents the data

6.132.3.40 static std::string activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::toString (const commands::TransactionId * *txnId*) [static]

Converts the given transaction ID into a String.

Parameters

txnId	- TransactionId poitner

Returns

string representation of the id

6.132.3.41 static std::string activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::toString (const commands::ProducerId * *id*) [static]

Converts the object to a String.

Parameters

id	- ProducerId pointer

Returns

string representing the id

6.132.3.42 static std::string activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::toString (const commands::MessageId * *id*) [static]

Converts the object to a String.

Parameters

id	- MessageId pointer

Returns

string representing the id

Referenced by activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getCMSMessageID().

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/**BaseDataStreamMarshaller.h**

6.133 activemq::commands::BaseDataStructure Class Reference

`#include <src/main/activemq/commands/BaseDataStructure.h>`

Inheritance diagram for activemq::commands::BaseDataStructure:

Public Member Functions

- virtual ~**BaseDataStructure** ()
- virtual bool **isMarshalAware** () const

  Determine if this object is aware of marshaling and should have its before and after marshaling methods called.

- virtual void **beforeMarshal** (**wireformat::WireFormat** *wireFormat AMQCPP_-UNUSED) throw (decaf::io::IOException)

  Perform any processing needed before an marshal.

- virtual void **afterMarshal** (**wireformat::WireFormat** *wireFormat AMQCPP_-UNUSED) throw (decaf::io::IOException)

  Perform any processing needed after an unmarshal.

- virtual void **beforeUnmarshal** (**wireformat::WireFormat** ∗wireFormat AMQCPP_-UNUSED) throw (decaf::io::IOException)

  Perform any processing needed before an unmarshal.

- virtual void **afterUnmarshal** (**wireformat::WireFormat** ∗wireFormat AMQCPP_-UNUSED) throw (decaf::io::IOException)

  Perform any processing needed after an unmarshal.

- virtual void **setMarshaledForm** (**wireformat::WireFormat** ∗wireFormat AMQCPP_-UNUSED, const std::vector< char > &data AMQCPP_UNUSED)

  Called to set the data to this object that will contain the objects marshaled form.

- virtual std::vector< unsigned char > **getMarshaledForm** (**wireformat::WireFormat** ∗wireFormat AMQCPP_UNUSED)

  Called to get the data to this object that will contain the objects marshaled form.

- virtual void **copyDataStructure** (const **DataStructure** ∗src AMQCPP_UNUSED)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value AMQCPP_UNUSED) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

6.133.1 Constructor & Destructor Documentation

6.133.1.1 virtual activemq::commands::BaseDataStructure::∼BaseDataStructure ( ) [inline, virtual]

6.133.2 Member Function Documentation

6.133.2.1 virtual void activemq::commands::BaseDataStructure::afterMarshal (wireformat::WireFormat ∗wireFormat *AMQCPP_UNUSED*) throw (decaf::io::IOException) [inline, virtual]

Perform any processing needed after an unmarshal.

Parameters

wireformat	- the OpenWireFormat object in use.

6.133.2.2 virtual void activemq::commands::BaseDataStructure::afterUnmarshal (wireformat::WireFormat *wireFormat *AMQCPP_UNUSED*) throw (decaf::io::IOException) [inline, virtual]

Perform any processing needed after an unmarshal.

Parameters

wireformat	- the OpenWireFormat object in use.

Reimplemented in **activemq::commands::Message** (p. 2601), and **activemq::commands::WireFormatInfo** (p. 4096).

6.133.2.3 virtual void activemq::commands::BaseDataStructure::beforeMarshal (wireformat::WireFormat *wireFormat *AMQCPP_UNUSED*) throw (decaf::io::IOException) [inline, virtual]

Perform any processing needed before an marshal.

Parameters

wireformat	- the OpenWireFormat object in use.

Reimplemented in **activemq::commands::Message** (p. 2601), and **activemq::commands::WireFormatInfo** (p. 4097).

6.133.2.4 virtual void activemq::commands::BaseDataStructure::beforeUnmarshal (wireformat::WireFormat *wireFormat *AMQCPP_UNUSED*) throw (decaf::io::IOException) [inline, virtual]

Perform any processing needed before an unmarshal.

Parameters

wireformat	- the OpenWireFormat object in use.

6.133.2.5 virtual void activemq::commands::BaseDataStructure::copyDataStructure (const DataStructure *src *AMQCPP_UNUSED*) [inline, virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented in **activemq::commands::BooleanExpression** (p. 862).

6.133.2.6 virtual bool activemq::commands::BaseDataStructure::equals (const DataStructure *value AMQCPP_UNUSED) const [inline, virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Referenced by activemq::commands::BooleanExpression::equals(), and activemq::commands::BaseCommand::e

6.133.2.7 virtual std::vector<unsigned char> activemq::commands::BaseDataStructure::getMarshaledForm (wireformat::WireFormat *wireFormat AMQCPP_UNUSED) [inline, virtual]

Called to get the data to this object that will contain the objects marshaled form.

Parameters

wireFormat	- the wireformat object to control unmarshaling

Returns

buffer that holds the objects data.

6.133.2.8 virtual bool activemq::commands::BaseDataStructure::isMarshalAware ( ) const [inline, virtual]

Determine if this object is aware of marshaling and should have its before and after marshaling methods called.

Defaults to false.

Returns

true if aware of marshaling

Implements **activemq::wireformat::MarshalAware** (p. 2566).

Reimplemented in **activemq::commands::ActiveMQMapMessage** (p. 359), **activemq::commands::Message** (p. 2607), and **activemq::commands::WireFormatInfo** (p. 4100).

6.133.2.9 virtual void activemq::commands::BaseDataStructure::setMarshaledForm (wireformat::WireFormat *wireFormat *AMQCPP_UNUSED*, const std::vector< char > &data *AMQCPP_UNUSED*) [inline, virtual]

Called to set the data to this object that will contain the objects marshaled form.

Parameters

wireFormat	- the wireformat object to control unmarshaling
data	- vector of object binary data

6.133.2.10 virtual std::string activemq::commands::BaseDataStructure::toString ( ) const [inline, virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Implements **activemq::commands::DataStructure** (p. 1718).

Reimplemented in **activemq::commands::ActiveMQBlobMessage** (p. 189), **activemq::commands::ActiveMQBytesMess** (p. 229), **activemq::commands::ActiveMQDestination** (p. 321), **activemq::commands::ActiveMQMapMessage** (p. 364), **activemq::commands::ActiveMQMessage** (p. 392), **activemq::commands::ActiveMQObjectMessage** (p. 440), **activemq::commands::ActiveMQQueue** (p. 483), **activemq::commands::ActiveMQStreamMessage** (p. 547), **activemq::commands::ActiveMQTempDestination** (p. 582), **activemq::commands::ActiveMQTempQueue** (p. 611), **activemq::commands::ActiveMQTempTopic** (p. 641), **activemq::commands::ActiveMQTextMessage** (p. 671), **activemq::commands::ActiveMQTopic** (p. 701), **activemq::commands::BaseCommand** (p. 770), **activemq::commands::BooleanExpression** (p. 863), **activemq::commands::BrokerId** (p. 877), **activemq::commands::BrokerInfo** (p. 908), **activemq::commands::Command** (p. 1231), **activemq::commands::ConnectionControl** (p. 1305), **activemq::commands::ConnectionError** (p. 1335), **activemq::commands::ConnectionId** (p. 1368), **activemq::commands::ConnectionInfo** (p. 1398), **activemq::commands::ConsumerControl** (p. 1445), **activemq::commands::ConsumerId** (p. 1476), **activemq::commands::ConsumerInfo** (p. 1507), **activemq::commands::ControlCommand** (p. 1538), **activemq::commands::DataArrayResponse** (p. 1574), **activemq::commands::DataResponse** (p. 1634), **activemq::commands::DestinationInfo** (p. 1783), **activemq::commands::DiscoveryEvent** (p. 1814), **activemq::commands::ExceptionResponse** (p. 1897), **activemq::commands::FlushCommand** (p. 2001), **activemq::commands::IntegerResponse** (p. 2162), **activemq::commands::JournalQueueAck** (p. 2227), **activemq::commands::JournalTopicAck** (p. 2255), **activemq::commands::JournalTrace** (p. 2283), **activemq::commands::JournalTransaction** (p. 2310), **activemq::commands::KeepAliveInfo** (p. 2337), **activemq::commands::LastPartialCommand** (p. 2373), **activemq::commands::LocalTransactionId** (p. 2424), **activemq::commands::Message** (p. 2611), **activemq::commands::MessageAck** (p. 2647), **activemq::commands::MessageDispatch** (p. 2682), **activemq::commands::MessageDispatchNotification** (p. 2719), **activemq::commands::MessageId** (p. 2754), **activemq::commands::MessagePull** (p. 2827), **activemq::commands::NetworkBridgeFilter** (p. 2880), **activemq::commands::PartialCommand** (p. 3005), **activemq::commands::ProducerAck** (p. 3127), **activemq::commands::ProducerId** (p. 3160), **activemq::commands::ProducerInfo** (p. 3189), **activemq::commands::RemoveInfo**

(p. 3287), **activemq::commands::RemoveSubscriptionInfo** (p. 3317), **activemq::commands::ReplayComm**
(p. 3346), **activemq::commands::Response** (p. 3382), **activemq::commands::SessionId**
(p. 3480), **activemq::commands::SessionInfo** (p. 3507), **activemq::commands::ShutdownInfo**
(p. 3575), **activemq::commands::SubscriptionInfo** (p. 3785), **activemq::commands::TransactionId**
(p. 3935), **activemq::commands::TransactionInfo** (p. 3963), **activemq::commands::WireFormatInfo**
(p. 4104), and **activemq::commands::XATransactionId** (p. 4146).

Referenced by activemq::commands::BooleanExpression::toString(), and activemq::commands::BaseCommand:

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**BaseDataStructure.h**

6.134 binary_function Class Reference

Inheritance diagram for binary_function:

The documentation for this class was generated from the following file:

- src/main/decaf/util/**Comparator.h**

6.135 decaf::net::BindException Class Reference

`#include <src/main/decaf/net/BindException.h>`

Inheritance diagram for decaf::net::BindException:

Public Member Functions

- **BindException** () throw ()

  Default Constructor.

- **BindException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **BindException** (const **BindException** &ex) throw ()

  Copy Constructor.

- **BindException** (const char *file, const int lineNumber, const std::exception ***cause**, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **BindException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **BindException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **BindException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**BindException** () throw ()

6.135.1 Constructor & Destructor Documentation

6.135.1.1 decaf::net::BindException::BindException ( ) throw () [inline]

Default Constructor.

6.135.1.2 decaf::net::BindException::BindException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.135.1.3 decaf::net::BindException::BindException (const BindException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.135.1.4 decaf::net::BindException::BindException (const char ∗ *file,* const int *lineNumber,* const std::exception ∗ *cause,* const char ∗ *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs

lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.135.1.5 decaf::net::BindException::BindException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.135.1.6 decaf::net::BindException::BindException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.135.1.7 virtual decaf::net::BindException::~BindException ( ) throw () [inline, virtual]

6.135.2 Member Function Documentation

6.135.2.1 virtual BindException* decaf::net::BindException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new Exception instance that is a copy of this Exception object.

Reimplemented from **decaf::net::SocketException** (p. 3629).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**BindException.h**

6.136 decaf::io::BlockingByteArrayInputStream Class Reference

This is a blocking version of a byte buffer stream.

`#include <src/main/decaf/io/BlockingByteArrayInputStream.h>`

Inheritance diagram for decaf::io::BlockingByteArrayInputStream:

Public Member Functions

- **BlockingByteArrayInputStream** ()

  Default Constructor - uses a default internal buffer.

- **BlockingByteArrayInputStream** (const unsigned char ∗buffer, int bufferSize)

  Constructor that initializes the internal buffer.

- virtual ∼**BlockingByteArrayInputStream** ()
- virtual void **setByteArray** (const unsigned char ∗buffer, int bufferSize)

- virtual int **available** () const throw (decaf::io::IOException)

  Indicates the number of bytes available.
  The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.
  The default implementation of this method returns zero.

  Returns

  the number of bytes available on this input stream.

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

- virtual void **close** () throw (decaf::io::IOException)

  *Closes the **InputStream** (p. 2105) freeing any resources that might have been aquired during the lifetime of this stream.*
  The default implementation of this method does nothing.

- virtual long long **skip** (long long num) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationE
)

Skips over and discards n bytes of data from this input stream.
The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.
The skip method of ***InputStream*** *(p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached. Subclasses are encouraged to provide a more efficient implementation of this method.*

Parameters

num	*The number of bytes to skip.*

Returns

total bytes skipped

Exceptions

IOException (p. 2210)	*if an I/O error occurs.*
UnsupportedOperationException	*if the concrete stream class does not support skipping bytes.*

Protected Member Functions

- virtual int **doReadByte** () throw (IOException)
- virtual int **doReadArrayBounded** (unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

6.136.1 Detailed Description

This is a blocking version of a byte buffer stream. Read operations block until the requested data becomes available in the internal buffer via a call to setByteArray.

6.136.2 Constructor & Destructor Documentation

6.136.2.1 decaf::io::BlockingByteArrayInputStream::BlockingByteArrayInputStream ( )

Default Constructor - uses a default internal buffer.

6.136.2.2 decaf::io::BlockingByteArrayInputStream::BlockingByteArrayInputStream (const unsigned char ∗ *buffer,* int *bufferSize*)

Constructor that initializes the internal buffer.

See also

setByteArray (p. 848).

6.136.2.3 virtual decaf::io::BlockingByteArrayInputStream::~BlockingByteArrayInputStream ( ) [virtual]

6.136.3 Member Function Documentation

6.136.3.1 virtual int decaf::io::BlockingByteArrayInputStream::available ( ) const throw (decaf::io::IOException) [virtual]

Indicates the number of bytes available.

The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.

The default implementation of this method returns zero.

Returns

the number of bytes available on this input stream.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Reimplemented from **decaf::io::InputStream** (p. 2107).

6.136.3.2 virtual void decaf::io::BlockingByteArrayInputStream::close ( ) throw (decaf::io::IOException) [virtual]

Closes the **InputStream** (p. 2105) freeing any resources that might have been aquired during the lifetime of this stream.

The default implementation of this method does nothing.

Reimplemented from **decaf::io::InputStream** (p. 2108).

6.136.3.3 virtual int decaf::io::BlockingByteArrayInputStream::doReadArrayBounded (unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException) [protected, virtual]

Reimplemented from **decaf::io::InputStream** (p. 2108).

6.136.3.4 virtual int decaf::io::BlockingByteArrayInputStream::doReadByte ( ) throw (IOException) [protected, virtual]

Implements **decaf::io::InputStream** (p. 2109).

6.136.3.5 virtual void decaf::io::BlockingByteArrayInputStream::setByteArray (const unsigned char * *buffer,* int *bufferSize*) [virtual]

6.136.3.6 virtual long long decaf::io::BlockingByteArrayInputStream::skip (long long *num*) throw (**decaf::io::IOException,** **decaf::lang::exceptions::UnsupportedOperationException**) [virtual]

Skips over and discards n bytes of data from this input stream.

The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.

The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached. Subclasses are encouraged to provide a more efficient implementation of this method.

Parameters

num	The number of bytes to skip.

Returns

total bytes skipped

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.
UnsupportedOperationException	if the concrete stream class does not support skipping bytes.

Reimplemented from **decaf::io::InputStream** (p. 2113).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**BlockingByteArrayInputStream.h**

6.137 decaf::util::concurrent::BlockingQueue< E > Class Template Reference

A **decaf::util::Queue** (p. 3239) that additionally supports operations that wait for the queue to become non-empty when retrieving an element, and wait for space to become available in the queue when storing an element.

```
#include <src/main/decaf/util/concurrent/BlockingQueue.h>
```

Inheritance diagram for decaf::util::concurrent::BlockingQueue< E >:

Public Member Functions

- virtual ~**BlockingQueue** ()
- virtual void **put** (const E &value)=0 throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

  Inserts the specified element into this queue, waiting if necessary for space to become available.

- virtual bool **offer** (const E &e, long timeout, const **TimeUnit** &unit)=0 throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

  Inserts the specified element into this queue, waiting up to the specified wait time if necessary for space to become available.

- virtual E **take** ()=0 throw (decaf::lang::exceptions::InterruptedException)

  Retrieves and removes the head of this queue, waiting if necessary until an element becomes available.

- virtual bool **poll** (E &result, long long timeout, const **TimeUnit** &unit)=0 throw (decaf::lang::exceptions::InterruptedException)

  Retrieves and removes the head of this queue, waiting up to the specified wait time if necessary for an element to become available.

- virtual int **remainingCapacity** () const =0

  Returns the number of additional elements that this queue can ideally (in the absence of memory or resource constraints) accept without blocking, or `Integer::MAX_VALUE` *if there is no intrinsic limit.*

- virtual std::size_t **drainTo** (**Collection**< E > &c)=0 throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException)

  Removes all available elements from this queue and adds them to the given collection.

- virtual std::size_t **drainTo** (**Collection**< E > &c, std::size_t maxElements)=0 throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException)

  Removes at most the given number of available elements from this queue and adds them to the given collection.

6.137.1 Detailed Description

template<typename E> class decaf::util::concurrent::BlockingQueue< E >

A **decaf::util::Queue** (p. 3239) that additionally supports operations that wait for the queue to become non-empty when retrieving an element, and wait for space to become available in the queue when storing an element. **`BlockingQueue`** (p. 848) methods come in four forms, with different ways of handling operations that cannot be satisfied immediately, but may be satisfied at some point in the future: one throws an exception, the second returns a special value (either `true` or `false`, depending on the operation), the third blocks the current thread indefinitely until the operation can succeed, and the fourth blocks for only a given maximum time limit before giving up. These methods are summarized in the following table:

	Throws exception	*Boolean Flag*	*Blocks*	*Times out*
Insert	**add(e)** (p. 177)	**offer(e)** (p. 853)	**put(e)** (p. 854)	**offer(e, time, unit)** (p. **??**)
Remove	**remove()** (p. 179)	**poll()** (p. 854)	**take()** (p. 855)	**poll(time, unit)** (p. **??**)
Examine	**element()** (p. 178)	**peek()** (p. 3242)	*not applicable*	*not applicable*

A **`BlockingQueue`** (p. 848) may be capacity bounded. At any given time it may have a `remainingCapacity` beyond which no additional elements can be `put` without blocking. A **`BlockingQueue`** (p. 848) without any intrinsic capacity constraints always reports a remaining capacity of `Integer::MAX_VALUE`.

`BlockingQueue` (p. 848) implementations are designed to be used primarily for producer-consumer queues, but additionally support **decaf::util::Collection** (p. 1216) interface. So, for example, it is possible to remove an arbitrary element from a queue using `remove(x)`. However, such operations are in general *not* performed very efficiently, and are intended for only occasional use, such as when a queued message is cancelled.

`BlockingQueue` (p. 848) implementations are thread-safe. All queuing methods achieve their effects atomically using internal locks or other forms of concurrency control. However, the *bulk* **Collection** (p. 1216) operations `addAll`, `containsAll`, `retainAll` and `removeAll` are *not* necessarily performed atomically unless specified otherwise in an implementation. So it is possible, for example, for `addAll(c)` to fail (throwing an exception) after adding only some of the elements in `c`.

A **`BlockingQueue`** (p. 848) does *not* intrinsically support any kind of "close" or "shutdown" operation to indicate that no more items will be added. The needs and usage of such features tend to be implementation-dependent. For example, a common tactic is for producers to insert special *end-of-stream* or *poison* objects, that are interpreted accordingly when taken by consumers.

Usage example, based on a typical producer-consumer scenario. Note that a **`BlockingQueue`** (p. 848) can safely be used with multiple producers and multiple consumers.

```
class Producer : public Runnable {
private:
```

```
    BlockingQueue* queue;

public:

    Producer( BlockingQueue* q ) : queue( q ) {}

    virtual void run() {
        try {
            while( true ) { queue->put( produce() ); }
        } catch( InterruptedException& ex ) { ... handle ...}
    }

    Object produce() { ... }
}

class Consumer : public Runnable {
private:

    BlockingQueue* queue;

public:

    Consumer( BlockingQueue* q ) : queue( q ) {}

    virtual void run() {
        try {
            while( true ) { consume( queue->take() (p. 855) ); }
        } catch( InterruptedException& ex ) { ... handle ...}
    }

    void consume( Object& x ) { ... }
}

int main( int argc, char** argv ) {

    BlockingQueue (p. 848) q = new SomeQueueImplementation();
    Producer p( &q );
    Consumer c1( &q );
    Consumer c2( &q );
    Thread t1( &p ).start();
    Thread t2( &c1 ).start();
    Thread t3( &c2 ).start();
}
```

Memory consistency effects: As with other concurrent collections, actions in a thread prior to placing an object into a **BlockingQueue** (p. 848) *happen-before* actions subsequent to the access or removal of that element from the **BlockingQueue** (p. 848) in another thread.

Since

1.0

6.137.2 Constructor & Destructor Documentation

6.137.2.1 template<typename E > virtual decaf::util::concurrent::BlockingQueue< E >::~BlockingQueue ( ) [inline, virtual]

6.137.3 Member Function Documentation

6.137.3.1 template<typename E > virtual std::size_t decaf::util::concurrent::BlockingQueue< E >::drainTo (Collection< E > & *c*) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException) [pure virtual]

Removes all available elements from this queue and adds them to the given collection.

This operation may be more efficient than repeatedly polling this queue. A failure encountered while attempting to add elements to collection `c` may result in elements being in neither, either or both collections when the associated exception is thrown. Attempts to drain a queue to itself result in `IllegalArgumentException`. Further, the behavior of this operation is undefined if the specified collection is modified while the operation is in progress.

Parameters

c	the collection to transfer elements into

Returns

the number of elements transferred

Exceptions

UnsupportedOperationException	if addition of elements is not supported by the specified collection
IllegalArgumentException	if the specified collection is this queue, or some property of an element of this queue prevents it from being added to the specified collection

Implemented in **decaf::util::concurrent::SynchronousQueue< E >** (p. 3831).

6.137.3.2 template<typename E > virtual std::size_t decaf::util::concurrent::BlockingQueue< E >::drainTo (Collection< E > & *c*, std::size_t *maxElements*) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException) [pure virtual]

Removes at most the given number of available elements from this queue and adds them to the given collection.

A failure encountered while attempting to add elements to collection `c` may result in

elements being in neither, either or both collections when the associated exception is thrown. Attempts to drain a queue to itself result in `IllegalArgumentException`. Further, the behavior of this operation is undefined if the specified collection is modified while the operation is in progress.

Parameters

c	the collection to transfer elements into
maxElements	the maximum number of elements to transfer

Returns

the number of elements transferred

Exceptions

UnsupportedOperationException	if addition of elements is not supported by the specified collection
IllegalArgumentException	if the specified collection is this queue, or some property of an element of this queue prevents it from being added to the specified collection

Implemented in **decaf::util::concurrent::SynchronousQueue< E >** (p. 3832).

6.137.3.3 template<typename E > virtual bool decaf::util::concurrent::BlockingQueue< E >::offer (const E & *e*, long *timeout*, const TimeUnit & *unit*) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException) [pure virtual]

Inserts the specified element into this queue, waiting up to the specified wait time if necessary for space to become available.

Parameters

e	the element to add
timeout	how long to wait before giving up, in units of `unit`
unit	a **`TimeUnit`** (p. 3919) determining how to interpret the `timeout` parameter

Returns

`true` if successful, or `false` if the specified waiting time elapses before space is available

Exceptions

InterruptedException	if interrupted while waiting

NullPointerException	if the specified element is null
IllegalArgumentException	if some property of the specified element prevents it from being added to this queue

Implemented in **decaf::util::concurrent::SynchronousQueue< E >** (p. 3833).

6.137.3.4 template<typename E > virtual bool decaf::util::concurrent::BlockingQueue< E >::poll (E & *result*, long long *timeout*, const TimeUnit & *unit*) throw (decaf::lang::exceptions::InterruptedException) [pure virtual]

Retrieves and removes the head of this queue, waiting up to the specified wait time if necessary for an element to become available.

Parameters

result	the referenced value that will be assigned the value retrieved from the **Queue** (p. 3239). Undefined if this methods returned false.
timeout	how long to wait before giving up, in units of `unit`
unit	a **`TimeUnit`** (p. 3919) determining how to interpret the `timeout` parameter.

Returns

`true` if successful or `false` if the specified waiting time elapses before an element is available.

Exceptions

InterruptedException	if interrupted while waiting

Implemented in **decaf::util::concurrent::SynchronousQueue< E >** (p. 3834).

6.137.3.5 template<typename E > virtual void decaf::util::concurrent::BlockingQueue< E >::put (const E & *value*) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException) [pure virtual]

Inserts the specified element into this queue, waiting if necessary for space to become available.

Parameters

value	the element to add

Exceptions

InterruptedException	if interrupted while waiting
NullPointerException	if the specified element is null
IllegalArgumentException	if some property of the specified element prevents it from being added to this queue

Implemented in **decaf::util::concurrent::SynchronousQueue< E >** (p. 3835).

6.137.3.6 template<typename E > virtual int decaf::util::concurrent::BlockingQueue< E >::remainingCapacity ( ) const [pure virtual]

Returns the number of additional elements that this queue can ideally (in the absence of memory or resource constraints) accept without blocking, or `Integer::MAX_VALUE` if there is no intrinsic limit.

Note that you *cannot* always tell if an attempt to insert an element will succeed by inspecting `remainingCapacity` because it may be the case that another thread is about to insert or remove an element.

Returns

the remaining capacity

Implemented in **decaf::util::concurrent::SynchronousQueue< E >** (p. 3836).

6.137.3.7 template<typename E > virtual E decaf::util::concurrent::BlockingQueue< E >::take ( ) throw (decaf::lang::exceptions::InterruptedException) [pure virtual]

Retrieves and removes the head of this queue, waiting if necessary until an element becomes available.

Returns

the head of this queue

Exceptions

InterruptedException	if interrupted while waiting

Implemented in **decaf::util::concurrent::SynchronousQueue< E >** (p. 3837).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**BlockingQueue.h**

6.138 decaf::lang::Boolean Class Reference

`#include <src/main/decaf/lang/Boolean.h>`

Inheritance diagram for decaf::lang::Boolean:

Public Member Functions

- **Boolean** (bool value)
- **Boolean** (const std::string &value)
- virtual ~**Boolean** ()
- bool **booleanValue** () const
- std::string **toString** () const
- virtual int **compareTo** (const **Boolean** &b) const

  *Compares this **Boolean** (p. 856) instance with another.*

- virtual bool **operator==** (const **Boolean** &value) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const **Boolean** &value) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- bool **equals** (const **Boolean** &b) const
- virtual int **compareTo** (const bool &b) const

  *Compares this **Boolean** (p. 856) instance with another.*

- virtual bool **operator==** (const bool &value) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const bool &value) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- bool **equals** (const bool &b) const

Static Public Member Functions

- static **Boolean valueOf** (bool value)
- static **Boolean valueOf** (const std::string &value)
- static bool **parseBoolean** (const std::string &value)

  *Parses the **String** (p. 3775) passed and extracts an bool.*

- static std::string **toString** (bool value)

  *Converts the bool to a **String** (p. 3775) representation.*

Static Public Attributes

- static const **Boolean _FALSE**

  The Class object representing the primitive false boolean.

- static const **Boolean _TRUE**

  The Class object representing the primitive type boolean.

6.138.1 Constructor & Destructor Documentation

6.138.1.1 decaf::lang::Boolean::Boolean (bool *value*)

Parameters

value	- primitive boolean to wrap.

6.138.1.2 decaf::lang::Boolean::Boolean (const std::string & *value*)

Parameters

value	- **String** (p. 3775) value to convert to a boolean.

6.138.1.3 virtual decaf::lang::Boolean::~Boolean ( ) [inline, virtual]

6.138.2 Member Function Documentation

6.138.2.1 bool decaf::lang::Boolean::booleanValue ( ) const [inline]

Returns

the primitive boolean value of this object

6.138.2.2 virtual int decaf::lang::Boolean::compareTo (const Boolean & *b*) const [virtual]

Compares this **Boolean** (p. 856) instance with another.

Parameters

b	- the **Boolean** (p. 856) instance to be compared

Returns

zero if this object represents the same boolean value as the argument; a positive value if this object represents true and the argument represents false; and a negative value if this object represents false and the argument represents true

Implements **decaf::lang::Comparable**< **Boolean** > (p. 1249).

6.138.2.3 virtual int decaf::lang::Boolean::compareTo (const bool & *b*) const [virtual]

Compares this **Boolean** (p. 856) instance with another.

Parameters

b	- the **Boolean** (p. 856) instance to be compared

Returns

zero if this object represents the same boolean value as the argument; a positive value if this object represents true and the argument represents false; and a negative value if this object represents false and the argument represents true

Implements **decaf::lang::Comparable**< **bool** > (p. 1249).

6.138.2.4 bool decaf::lang::Boolean::equals (const bool & *b*) const [inline, virtual]

Returns

true if the two **Boolean** (p. 856) Objects have the same value.

Implements **decaf::lang::Comparable**< **bool** > (p. 1250).

6.138.2.5 bool decaf::lang::Boolean::equals (const Boolean & *b*) const [inline, virtual]

Returns

true if the two **Boolean** (p. 856) Objects have the same value.

Implements **decaf::lang::Comparable**< **Boolean** > (p. 1250).

6.138.2.6 virtual bool decaf::lang::Boolean::operator< (const bool & *value*) const [virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< bool >** (p. 1250).

6.138.2.7 virtual bool decaf::lang::Boolean::operator< (const Boolean & *value*) const [virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< Boolean >** (p. 1250).

6.138.2.8 virtual bool decaf::lang::Boolean::operator== (const bool & *value*) const [virtual]

Compares equality between this object and the one passed.

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< bool >** (p. 1250).

6.138.2.9 virtual bool decaf::lang::Boolean::operator== (const Boolean & *value*) const [virtual]

Compares equality between this object and the one passed.

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable**< **Boolean** > (p. 1250).

6.138.2.10 static bool decaf::lang::Boolean::parseBoolean (const std::string & *value*) [static]

Parses the **String** (p. 3775) passed and extracts an bool.

Parameters

value	The std::string value to parse

Returns

bool value

6.138.2.11 static std::string decaf::lang::Boolean::toString (bool *value*) [static]

Converts the bool to a **String** (p. 3775) representation.

Parameters

value	The bool value to convert.

Returns

std::string representation of the bool value passed.

6.138.2.12 std::string decaf::lang::Boolean::toString ( ) const

Returns

the string representation of this Booleans value.

6.138.2.13 static Boolean decaf::lang::Boolean::valueOf (bool *value*) [static]

Parameters

value	The bool value to convert to a **Boolean** (p. 856) instance.

Returns

a **Boolean** (p. 856) instance of the primitive boolean value

6.138.2.14 static Boolean decaf::lang::Boolean::valueOf (const std::string & *value*) [static]

Parameters

value	The std::string value to convert to a **Boolean** (p. 856) instance.

Returns

a **Boolean** (p. 856) instance of the string value

6.138.3 Field Documentation

6.138.3.1 const Boolean decaf::lang::Boolean::_FALSE [static]

The Class object representing the primitive false boolean.

6.138.3.2 const Boolean decaf::lang::Boolean::_TRUE [static]

The Class object representing the primitive type boolean.

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Boolean.h**

6.139 activemq::commands::BooleanExpression Class Reference

`#include <src/main/activemq/commands/BooleanExpression.h>`

Inheritance diagram for activemq::commands::BooleanExpression:

Public Member Functions

- **BooleanExpression** ()
- virtual ~**BooleanExpression** ()
- virtual **DataStructure** * **cloneDataStructure** () const

  Clone this obbject and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src AMQCPP_UNUSED)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

*Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

6.139.1 Constructor & Destructor Documentation

6.139.1.1 activemq::commands::BooleanExpression::BooleanExpression ( ) [inline]

6.139.1.2 virtual activemq::commands::BooleanExpression::∼BooleanExpression ( ) [inline, virtual]

6.139.2 Member Function Documentation

6.139.2.1 virtual DataStructure∗ activemq::commands::BooleanExpression::cloneDataStructure ( ) const [inline, virtual]

Clone this obbject and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.139.2.2 virtual void activemq::commands::BooleanExpression::copyDataStructure (const DataStructure ∗src *AMQCPP_UNUSED*) [inline, virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::BaseDataStructure** (p. 839).

6.139.2.3 virtual bool activemq::commands::BooleanExpression::equals (const DataStructure ∗ *value*) const [inline, virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

References activemq::commands::BaseDataStructure::equals().

6.139.2.4 virtual std::string activemq::commands::BooleanExpression::toString ( ) const [inline, virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

References activemq::commands::BaseDataStructure::toString().

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**BooleanExpression.h**

6.140 activemq::wireformat::openwire::utils::BooleanStream Class Reference

Manages the writing and reading of boolean data streams to and from a data source such as a DataInputStream or DataOutputStream.

```
#include <src/main/activemq/wireformat/openwire/utils/BooleanStream.h>
```

Public Member Functions

- **BooleanStream** ()
- virtual ~**BooleanStream** ()
- bool **readBoolean** () throw (decaf::io::IOException)

  Read a boolean data element from the internal data buffer.

- void **writeBoolean** (bool value) throw (decaf::io::IOException)

  Writes a Boolean value to the internal data buffer.

- void **marshal** (**decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Marshal the data to a DataOutputStream.

- void **marshal** (std::vector< unsigned char > &dataOut)
  Marshal the data to a STL vector of unsigned chars.
- void **unmarshal** (**decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)
  Unmarshal a Boolean data stream from the Input Stream.
- void **clear** ()
  Clears to old position markers, data starts at the beginning.
- int **marshalledSize** ()
  Calc the size that data is marshalled to.

6.140.1 Detailed Description

Manages the writing and reading of boolean data streams to and from a data source such as a DataInputStream or DataOutputStream. The booleans are stored as single bits in the stream, with the stream size pre-pended to the stream when the data is marshalled.

The serialized form of the size field can be between 1 and 3 bytes. If the number of used bytes < 64, size=1 byte If the number of used bytes >=64 and < 256 (size of an unsigned byte), size=2 bytes If the number of used bytes >=256, size=3 bytes

The high-order 2 bits (128 and 64) of the first byte of the size field are used to encode the information about the number of bytes in the size field. The only time the first byte will contain a value >=64 is if there are more bytes in the size field. If the first byte < 64, the value of the byte is simply the size value. If the first byte = 0xC0, the following unsigned byte is the size field. If the first byte = 0x80, the following short (two bytes) are the size field.

6.140.2 Constructor & Destructor Documentation

6.140.2.1 activemq::wireformat::openwire::utils::BooleanStream::BooleanStream ( )

6.140.2.2 virtual activemq::wireformat::openwire::utils::BooleanStream::~BooleanStream ( ) [inline, virtual]

6.140.3 Member Function Documentation

6.140.3.1 void activemq::wireformat::openwire::utils::BooleanStream::clear ( )

Clears to old position markers, data starts at the beginning.

6.140.3.2 void activemq::wireformat::openwire::utils::BooleanStream::marshal (std::vector< unsigned char > & *dataOut*)

Marshal the data to a STL vector of unsigned chars.

Parameters

dataOut	- reference to a vector to write the data to.

6.140.3.3 void activemq::wireformat::openwire::utils::BooleanStream::marshal (decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException)

Marshal the data to a DataOutputStream.

Parameters

dataOut	- Stream to write the data to.

6.140.3.4 int activemq::wireformat::openwire::utils::BooleanStream::marshalledSize ( )

Calc the size that data is marshalled to.

Returns

int size of marshalled data.

6.140.3.5 bool activemq::wireformat::openwire::utils::BooleanStream::readBoolean ( ) throw (decaf::io::IOException)

Read a boolean data element from the internal data buffer.

Returns

boolean from the stream

6.140.3.6 void activemq::wireformat::openwire::utils::BooleanStream::unmarshal (decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException)

Unmarshal a Boolean data stream from the Input Stream.

Parameters

dataIn	- Input Stream to read data from.

6.140.3.7 void activemq::wireformat::openwire::utils::BooleanStream::writeBoolean (bool *value*) throw (decaf::io::IOException)

Writes a Boolean value to the internal data buffer.

Parameters

value	- boolean data to write.

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/utils/**BooleanStream.h**

6.141 decaf::util::concurrent::BrokenBarrierException Class Reference

`#include <src/main/decaf/util/concurrent/BrokenBarrierException.h>`

Inheritance diagram for decaf::util::concurrent::BrokenBarrierException:

Public Member Functions

- **BrokenBarrierException** () throw ()

  Default Constructor.

- **BrokenBarrierException** (const **decaf::lang::Exception** &ex) throw ()

  Conversion Constructor from some other Exception.

- **BrokenBarrierException** (const **BrokenBarrierException** &ex) throw ()

  Copy Constructor.

- **BrokenBarrierException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **BrokenBarrierException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **BrokenBarrierException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **BrokenBarrierException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**BrokenBarrierException** () throw ()

6.141.1 Constructor & Destructor Documentation

6.141.1.1 decaf::util::concurrent::BrokenBarrierException::BrokenBarrierException ( ) throw () [inline]

Default Constructor.

6.141.1.2 decaf::util::concurrent::BrokenBarrierException::BrokenBarrierException (const decaf::lang::Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.141.1.3 decaf::util::concurrent::BrokenBarrierException::BrokenBarrierException (const BrokenBarrierException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The Exception to copy in this new instance.

6.141.1.4 decaf::util::concurrent::BrokenBarrierException::BrokenBarrierException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.141.1.5 decaf::util::concurrent::BrokenBarrierException::BrokenBarrierException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	- The file name where exception occurs
lineNumber	- The line number where the exception occurred.
msg	- The message to report

...	- list of primitives that are formatted into the message

6.141.1.6 decaf::util::concurrent::BrokenBarrierException::BrokenBarrierException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	- The file name where exception occurs
lineNumber	- The line number where the exception occurred.
cause	- The exception that was the cause for this one to be thrown.
msg	- The message to report
...	- list of primitives that are formatted into the message

6.141.1.7 virtual decaf::util::concurrent::BrokenBarrierException::~BrokenBarrierException ( ) throw () [inline, virtual]

6.141.2 Member Function Documentation

6.141.2.1 virtual BrokenBarrierException* decaf::util::concurrent::BrokenBarrierException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new instance of an exception that is a clone of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**BrokenBarrierException.h**

6.142 activemq::commands::BrokerError Class Reference

This class represents an Exception sent from the Broker.

```
#include <src/main/activemq/commands/BrokerError.h>
```

Inheritance diagram for activemq::commands::BrokerError:

Data Structures

- struct **StackTraceElement**

Public Member Functions

- **BrokerError** ()
- virtual ~**BrokerError** ()
- virtual unsigned char **getDataStructureType** () const

  *Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.*

- virtual **BrokerError** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual **decaf::lang::Pointer**< **commands::Command** > **visit** (**activemq::state::CommandVisitor** ∗visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

- virtual const std::string & **getMessage** () const

  Gets the string holding the error message.

- virtual void **setMessage** (const std::string &message)

  *Sets the string that contains the error **Message** (p. 2596).*

- virtual const std::string & **getExceptionClass** () const

  Gets the string holding the Exception Class name.

- virtual void **setExceptionClass** (const std::string &exceptionClass)

  Sets the string that contains the Exception Class name.

- virtual const **decaf::lang::Pointer**< **BrokerError** > & **getCause** () const

  Gets the Broker Error that caused this exception.

- virtual void **setCause** (const **decaf::lang::Pointer**< **BrokerError** > &cause)

  Sets the Broker Error that caused this exception.

- virtual const std::vector< **decaf::lang::Pointer**< **StackTraceElement** > > & **getStackTraceElements** () const

  Gets the Stack Trace Elements for the Exception.

- virtual void **setStackTraceElements** (const std::vector< **decaf::lang::Pointer**< **StackTraceElement** > > &stackTraceElements)

  Sets the Stack Trace Elements for this Exception.

6.142.1 Detailed Description

This class represents an Exception sent from the Broker. The Broker sends java Throwables, so we must mimic its structure here.

6.142.2 Constructor & Destructor Documentation

6.142.2.1 activemq::commands::BrokerError::BrokerError ( )

6.142.2.2 virtual activemq::commands::BrokerError::~BrokerError ( ) [virtual]

6.142.3 Member Function Documentation

6.142.3.1 virtual BrokerError* activemq::commands::BrokerError::cloneDataStructure ( ) const [inline, virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

References copyDataStructure().

6.142.3.2 virtual void activemq::commands::BrokerError::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

Referenced by cloneDataStructure().

6.142.3.3 virtual const decaf::lang::Pointer<BrokerError>& activemq::commands::BrokerError::getCause ( ) const [inline, virtual]

Gets the Broker Error that caused this exception.

Returns

Broker Error Pointer

6.142.3.4 virtual unsigned char activemq::commands::BrokerError::getDataStructureType ( ) const [inline, virtual]

Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.

Returns

The type of the data structure

Implements **activemq::commands::DataStructure** (p. 1717).

6.142.3.5 virtual const std::string& activemq::commands::BrokerError::getExceptionClass ( ) const [inline, virtual]

Gets the string holding the Exception Class name.

Returns

Exception Class name

6.142.3.6 virtual const std::string& activemq::commands::BrokerError::getMessage ( ) const [inline, virtual]

Gets the string holding the error message.

Returns

String **Message** (p. 2596)

6.142.3.7 virtual const std::vector< decaf::lang::Pointer<StackTraceElement> >& activemq::commands::BrokerError::getStackTraceElements ( ) const [inline, virtual]

Gets the Stack Trace Elements for the Exception.

Returns

Stack Trace Elements

6.142.3.8 virtual void activemq::commands::BrokerError::setCause (const decaf::lang::Pointer< BrokerError > & *cause*) [inline, virtual]

Sets the Broker Error that caused this exception.

Parameters

cause	- Broker Error

6.142.3.9 virtual void activemq::commands::BrokerError::setExceptionClass (const std::string & *exceptionClass*) [inline, virtual]

Sets the string that contains the Exception Class name.

Parameters

exceptionClass	- String Exception Class name

6.142.3.10 virtual void activemq::commands::BrokerError::setMessage (const std::string & *message*) [inline, virtual]

Sets the string that contains the error **Message** (p. 2596).

Parameters

message	- String Error **Message** (p. 2596)

6.142.3.11 virtual void activemq::commands::BrokerError::setStackTraceElements (const std::vector< decaf::lang::Pointer< StackTraceElement > > & *stackTraceElements*) [inline, virtual]

Sets the Stack Trace Elements for this Exception.

Parameters

stackTraceElements	- Stack Trace Elements

6.142.3.12 virtual decaf::lang::Pointer<commands::Command> activemq::commands::BrokerError::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**BrokerError.h**

6.143 activemq::exceptions::BrokerException Class Reference

`#include <src/main/activemq/exceptions/BrokerException.h>`

Inheritance diagram for activemq::exceptions::BrokerException:

Public Member Functions

- **BrokerException** () throw ()
- **BrokerException** (const **exceptions::ActiveMQException** &ex) throw ()
- **BrokerException** (const **BrokerException** &ex) throw ()
- **BrokerException** (const char *file, const int lineNumber, const char *msg,...) throw ()
- **BrokerException** (const char *file, const int lineNumber, const **commands::BrokerError** *error) throw ()
- virtual **BrokerException** * **clone** () const

  Clones this exception.

- virtual ~**BrokerException** () throw ()

6.143.1 Constructor & Destructor Documentation

6.143.1.1 activemq::exceptions::BrokerException::BrokerException ( ) throw () [inline]

6.143.1.2 activemq::exceptions::BrokerException::BrokerException (const exceptions::ActiveMQException & *ex*) throw () [inline]

6.143.1.3 activemq::exceptions::BrokerException::BrokerException (const BrokerException & *ex*) throw () [inline]

6.143.1.4 activemq::exceptions::BrokerException::BrokerException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

6.143.1.5 activemq::exceptions::BrokerException::BrokerException (const char * *file*, const int *lineNumber*, const commands::BrokerError * *error*) throw () [inline]

References decaf::lang::Exception::getMessage().

6.143.1.6 virtual activemq::exceptions::BrokerException::~BrokerException ( ) throw () [inline, virtual]

6.143.2 Member Function Documentation

6.143.2.1 virtual BrokerException* activemq::exceptions::BrokerException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Reimplemented from **activemq::exceptions::ActiveMQException** (p. 349).

The documentation for this class was generated from the following file:

- src/main/activemq/exceptions/**BrokerException.h**

6.144 activemq::commands::BrokerId Class Reference

`#include <src/main/activemq/commands/BrokerId.h>`

Inheritance diagram for activemq::commands::BrokerId:

Public Types

- typedef **decaf::lang::PointerComparator< BrokerId > COMPARATOR**

Public Member Functions

- **BrokerId** ()
- **BrokerId** (const **BrokerId** &other)
- virtual ~**BrokerId** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **BrokerId** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ***value**) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual const std::string & **getValue** () const
- virtual std::string & **getValue** ()
- virtual void **setValue** (const std::string &**value**)
- virtual int **compareTo** (const **BrokerId** &**value**) const
- virtual bool **equals** (const **BrokerId** &**value**) const
- virtual bool **operator==** (const **BrokerId** &**value**) const
- virtual bool **operator**< (const **BrokerId** &**value**) const
- **BrokerId** & **operator=** (const **BrokerId** &other)

Static Public Attributes

- static const unsigned char **ID_BROKERID** = 124

Protected Attributes

- std::string **value**

6.144.1 Member Typedef Documentation

6.144.1.1 typedef decaf::lang::PointerComparator<BrokerId> activemq::commands::BrokerId::COMPARATOR

6.144.2 Constructor & Destructor Documentation

6.144.2.1 activemq::commands::BrokerId::BrokerId ( )

6.144.2.2 activemq::commands::BrokerId::BrokerId (const BrokerId & *other*)

6.144.2.3 virtual activemq::commands::BrokerId::~BrokerId ( ) [virtual]

6.144.3 Member Function Documentation

6.144.3.1 virtual BrokerId* activemq::commands::BrokerId::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.144.3.2 virtual int activemq::commands::BrokerId::compareTo (const BrokerId & *value*) const [virtual]

6.144.3.3 virtual void activemq::commands::BrokerId::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

6.144.3.4 virtual bool activemq::commands::BrokerId::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

6.144.3.5 virtual bool activemq::commands::BrokerId::equals (const BrokerId & *value*) const [virtual]

6.144.3.6 virtual unsigned char activemq::commands::BrokerId::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.144.3.7 virtual const std::string& activemq::commands::BrokerId::getValue ( ) const [virtual]

6.144.3.8 virtual std::string& activemq::commands::BrokerId::getValue ( ) [virtual]

6.144.3.9 virtual bool activemq::commands::BrokerId::operator< (const BrokerId & *value*) const [virtual]

6.144.3.10 BrokerId& activemq::commands::BrokerId::operator= (const BrokerId & *other*)

6.144.3.11 virtual bool activemq::commands::BrokerId::operator== (const BrokerId & *value*) const [virtual]

6.144.3.12 virtual void activemq::commands::BrokerId::setValue (const std::string & *value*) [virtual]

6.144.3.13 virtual std::string activemq::commands::BrokerId::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

6.144.4 Field Documentation

6.144.4.1 const unsigned char activemq::commands::BrokerId::ID_BROKERID = 124 [static]

6.144.4.2 std::string activemq::commands::BrokerId::value [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**BrokerId.h**

6.145 activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 878).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/BrokerIdMarshal`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller:

Public Member Functions

- **BrokerIdMarshaller** ()
- virtual ∼**BrokerIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.145.1 Detailed Description

Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 878). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.145.2 Constructor & Destructor Documentation

6.145.2.1 activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller::BrokerIdMarshaller ( ) [inline]

6.145.2.2 virtual activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller::∼BrokerIdMarshaller ( ) [inline, virtual]

6.145.3 Member Function Documentation

6.145.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.145.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.145.3.3 virtual void activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.145.3.4 virtual void activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.145.3.5 virtual int activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.145.3.6 virtual void activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.145.3.7 virtual void activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.

dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**BrokerIdMarshaller.h**

6.146 activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 882).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/BrokerIdMarshal`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller:

Public Member Functions

- **BrokerIdMarshaller** ()
- virtual ∼**BrokerIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.146.1 Detailed Description

Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 882). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.146.2 Constructor & Destructor Documentation

6.146.2.1 activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller::BrokerIdMarshaller ( ) [inline]

6.146.2.2 virtual activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller::∼BrokerIdMarshaller ( ) [inline, virtual]

6.146.3 Member Function Documentation

6.146.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.146.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.146.3.3 virtual void activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.146.3.4 virtual void activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.146.3.5 virtual int activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.146.3.6 virtual void activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.146.3.7 virtual void activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**BrokerIdMarshaller.h**

6.147 activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 886).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/BrokerIdMarshal`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller:

Public Member Functions

- **BrokerIdMarshaller** ()
- virtual ~**BrokerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.147.1 Detailed Description

Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 886). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.147.2 Constructor & Destructor Documentation

6.147.2.1 activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller::BrokerIdMarshaller ( ) [inline]

6.147.2.2 virtual activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller::∼BrokerIdMarshaller ( ) [inline, virtual]

6.147.3 Member Function Documentation

6.147.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.147.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.147.3.3 virtual void activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.147.3.4 virtual void activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.147.3.5 virtual int activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.147.3.6 virtual void activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.147.3.7 virtual void activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**BrokerIdMarshaller.h**

6.148 activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 890).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/BrokerIdMarshal`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller:

Public Member Functions

- **BrokerIdMarshaller** ()
- virtual ~**BrokerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.148.1 Detailed Description

Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 890). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.148.2 Constructor & Destructor Documentation

6.148.2.1 activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller::BrokerIdMarshaller ( ) [inline]

6.148.2.2 virtual activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller::∼BrokerIdMarshaller ( ) [inline, virtual]

6.148.3 Member Function Documentation

6.148.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.148.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.148.3.3 virtual void activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.148.3.4 virtual void activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.148.3.5 virtual int activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.148.3.6 virtual void activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.148.3.7 virtual void activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**BrokerIdMarshaller.h**

6.149 activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 894).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/BrokerIdMarshal`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller:

Public Member Functions

- **BrokerIdMarshaller** ()
- virtual ~**BrokerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.149.1 Detailed Description

Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 894). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.149.2 Constructor & Destructor Documentation

6.149.2.1 activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller::BrokerIdMarshaller ( ) [inline]

6.149.2.2 virtual activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller::∼BrokerIdMarshaller ( ) [inline, virtual]

6.149.3 Member Function Documentation

6.149.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.149.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.149.3.3 virtual void activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.149.3.4 virtual void activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.149.3.5 virtual int activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.149.3.6 virtual void activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.149.3.7 virtual void activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**BrokerIdMarshaller.h**

6.150 activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 898).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/BrokerIdMarshal`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller:

Public Member Functions

- **BrokerIdMarshaller** ()
- virtual ~**BrokerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.150.1 Detailed Description

Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 898). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.150.2 Constructor & Destructor Documentation

6.150.2.1 activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller::BrokerIdMarshaller ( ) [inline]

6.150.2.2 virtual activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller::∼BrokerIdMarshaller ( ) [inline, virtual]

6.150.3 Member Function Documentation

6.150.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.150.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.150.3.3 virtual void activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.150.3.4 virtual void activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.150.3.5 virtual int activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.150.3.6 virtual void activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.150.3.7 virtual void activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**BrokerIdMarshaller.h**

6.151 activemq::commands::BrokerInfo Class Reference

`#include <src/main/activemq/commands/BrokerInfo.h>`

Inheritance diagram for activemq::commands::BrokerInfo:

Public Member Functions

- **BrokerInfo** ()
- virtual ~**BrokerInfo** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **BrokerInfo** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **BrokerId** > & **getBrokerId** () const
- virtual **Pointer**< **BrokerId** > & **getBrokerId** ()
- virtual void **setBrokerId** (const **Pointer**< **BrokerId** > &**brokerId**)
- virtual const std::string & **getBrokerURL** () const
- virtual std::string & **getBrokerURL** ()
- virtual void **setBrokerURL** (const std::string &**brokerURL**)
- virtual const std::vector< **decaf::lang::Pointer**< **BrokerInfo** > > & **getPeerBrokerInfos** () const
- virtual std::vector< **decaf::lang::Pointer**< **BrokerInfo** > > & **getPeerBrokerInfos** ()
- virtual void **setPeerBrokerInfos** (const std::vector< **decaf::lang::Pointer**< **BrokerInfo** > > &**peerBrokerInfos**)
- virtual const std::string & **getBrokerName** () const
- virtual std::string & **getBrokerName** ()
- virtual void **setBrokerName** (const std::string &**brokerName**)
- virtual bool **isSlaveBroker** () const
- virtual void **setSlaveBroker** (bool **slaveBroker**)
- virtual bool **isMasterBroker** () const
- virtual void **setMasterBroker** (bool **masterBroker**)
- virtual bool **isFaultTolerantConfiguration** () const
- virtual void **setFaultTolerantConfiguration** (bool **faultTolerantConfiguration**)
- virtual bool **isDuplexConnection** () const
- virtual void **setDuplexConnection** (bool **duplexConnection**)
- virtual bool **isNetworkConnection** () const
- virtual void **setNetworkConnection** (bool **networkConnection**)
- virtual long long **getConnectionId** () const
- virtual void **setConnectionId** (long long **connectionId**)
- virtual const std::string & **getBrokerUploadUrl** () const
- virtual std::string & **getBrokerUploadUrl** ()
- virtual void **setBrokerUploadUrl** (const std::string &**brokerUploadUrl**)
- virtual const std::string & **getNetworkProperties** () const
- virtual std::string & **getNetworkProperties** ()
- virtual void **setNetworkProperties** (const std::string &**networkProperties**)
- virtual bool **isBrokerInfo** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_BROKERINFO** = 2

Protected Attributes

- **Pointer**< **BrokerId** > **brokerId**
- std::string **brokerURL**
- std::vector< **decaf::lang::Pointer**< **BrokerInfo** > > **peerBrokerInfos**
- std::string **brokerName**
- bool **slaveBroker**
- bool **masterBroker**
- bool **faultTolerantConfiguration**
- bool **duplexConnection**
- bool **networkConnection**
- long long **connectionId**
- std::string **brokerUploadUrl**
- std::string **networkProperties**

6.151.1 Constructor & Destructor Documentation

6.151.1.1 activemq::commands::BrokerInfo::BrokerInfo ( )

6.151.1.2 virtual activemq::commands::BrokerInfo::~BrokerInfo ( ) [virtual]

6.151.2 Member Function Documentation

6.151.2.1 virtual BrokerInfo* activemq::commands::BrokerInfo::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.151.2.2 virtual void activemq::commands::BrokerInfo::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.151.2.3 virtual bool activemq::commands::BrokerInfo::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.151.2.4 virtual const Pointer<BrokerId>& activemq::commands::BrokerInfo::getBrokerId ( ) const [virtual]

6.151.2.5 virtual Pointer<BrokerId>& activemq::commands::BrokerInfo::getBrokerId ( ) [virtual]

6.151.2.6 virtual std::string& activemq::commands::BrokerInfo::getBrokerName ( ) [virtual]

6.151.2.7 virtual const std::string& activemq::commands::BrokerInfo::getBrokerName ( ) const [virtual]

6.151.2.8 virtual const std::string& activemq::commands::BrokerInfo::getBrokerUploadUrl ( ) const [virtual]

6.151.2.9 virtual std::string& activemq::commands::BrokerInfo::getBrokerUploadUrl ( ) [virtual]

6.151.2.10 virtual const std::string& activemq::commands::BrokerInfo::getBrokerURL ( ) const [virtual]

6.151.2.11 virtual std::string& activemq::commands::BrokerInfo::getBrokerURL ( ) [virtual]

6.151.2.12 virtual long long activemq::commands::BrokerInfo::getConnectionId ( ) const [virtual]

6.151.2.13 virtual unsigned char activemq::commands::BrokerInfo::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.151.2.14 virtual const std::string& activemq::commands::BrokerInfo::getNetworkProperties ( ) const [virtual]

6.151.2.15 virtual std::string& activemq::commands::BrokerInfo::getNetworkProperties ( ) [virtual]

6.151.2.16 virtual const std::vector< decaf::lang::Pointer<BrokerInfo> >& activemq::commands::BrokerInfo::getPeerBrokerInfos ( ) const [virtual]

6.151.2.17 virtual std::vector< decaf::lang::Pointer<BrokerInfo> >& activemq::commands::BrokerInfo::getPeerBrokerInfos ( ) [virtual]

6.151.2.18 virtual bool activemq::commands::BrokerInfo::isBrokerInfo ( ) const [inline, virtual]

Returns

an answer of true to the **isBrokerInfo()** (p. 907) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 767).

6.151.2.19 **virtual bool activemq::commands::BrokerInfo::isDuplexConnection ( ) const** [virtual]

6.151.2.20 **virtual bool activemq::commands::BrokerInfo::isFaultTolerantConfiguration ( ) const** [virtual]

6.151.2.21 **virtual bool activemq::commands::BrokerInfo::isMasterBroker ( ) const** [virtual]

6.151.2.22 **virtual bool activemq::commands::BrokerInfo::isNetworkConnection ( ) const** [virtual]

6.151.2.23 **virtual bool activemq::commands::BrokerInfo::isSlaveBroker ( ) const** [virtual]

6.151.2.24 **virtual void activemq::commands::BrokerInfo::setBrokerId (const Pointer< BrokerId > & *brokerId*)** [virtual]

6.151.2.25 **virtual void activemq::commands::BrokerInfo::setBrokerName (const std::string & *brokerName*)** [virtual]

6.151.2.26 **virtual void activemq::commands::BrokerInfo::setBrokerUploadUrl (const std::string & *brokerUploadUrl*)** [virtual]

6.151.2.27 **virtual void activemq::commands::BrokerInfo::setBrokerURL (const std::string & *brokerURL*)** [virtual]

6.151.2.28 **virtual void activemq::commands::BrokerInfo::setConnectionId (long long *connectionId*)** [virtual]

6.151.2.29 **virtual void activemq::commands::BrokerInfo::setDuplexConnection (bool *duplexConnection*)** [virtual]

6.151.2.30 **virtual void activemq::commands::BrokerInfo::setFaultTolerantConfiguration (bool *faultTolerantConfiguration*)** [virtual]

6.151.2.31 **virtual void activemq::commands::BrokerInfo::setMasterBroker (bool *masterBroker*)** [virtual]

6.151.2.32 **virtual void activemq::commands::BrokerInfo::setNetworkConnection (bool *networkConnection*)** [virtual]

6.151.2.33 **virtual void activemq::commands::BrokerInfo::setNetworkProperties (const std::string & *networkProperties*)** [virtual]

6.151.2.34 **virtual void activemq::commands::BrokerInfo::setPeerBrokerInfos (const std::vector< decaf::lang::Pointer< BrokerInfo > > & *peerBrokerInfos*)** [virtual]

6.151.2.35 **virtual void activemq::commands::BrokerInfo::setSlaveBroker (bool *slaveBroker*)** [virtual]

6.151.2.36 **virtual std::string activemq::commands::BrokerInfo::toString ( ) const** [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.151.2.37 virtual Pointer<Command> activemq::commands::BrokerInfo::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.151.3 Field Documentation

6.151.3.1 Pointer<BrokerId> activemq::commands::BrokerInfo::brokerId [protected]

6.151.3.2 std::string activemq::commands::BrokerInfo::brokerName [protected]

6.151.3.3 std::string activemq::commands::BrokerInfo::brokerUploadUrl [protected]

6.151.3.4 std::string activemq::commands::BrokerInfo::brokerURL [protected]

6.151.3.5 long long activemq::commands::BrokerInfo::connectionId [protected]

6.151.3.6 bool activemq::commands::BrokerInfo::duplexConnection [protected]

6.151.3.7 bool activemq::commands::BrokerInfo::faultTolerantConfiguration [protected]

6.151.3.8 const unsigned char activemq::commands::BrokerInfo::ID_-BROKERINFO = 2 [static]

6.151.3.9 bool activemq::commands::BrokerInfo::masterBroker [protected]

6.151.3.10 bool activemq::commands::BrokerInfo::networkConnection [protected]

6.151.3.11 std::string activemq::commands::BrokerInfo::networkProperties [protected]

6.151.3.12 std::vector< decaf::lang::Pointer<BrokerInfo> > activemq::commands::BrokerInfo::peerBrokerInfos [protected]

6.151.3.13 bool activemq::commands::BrokerInfo::slaveBroker [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**BrokerInfo.h**

6.152 activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 910).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/BrokerInfoMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller:

Public Member Functions

- **BrokerInfoMarshaller** ()
- virtual ∼**BrokerInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.152.1 Detailed Description

Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 910). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.152.2 Constructor & Destructor Documentation

6.152.2.1 activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller::BrokerInfoMarshaller ( ) [inline]

6.152.2.2 virtual activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller::~BrokerInfoMarshaller ( ) [inline, virtual]

6.152.3 Member Function Documentation

6.152.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.152.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.152.3.3 virtual void activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.152.3.4 virtual void activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.152.3.5 virtual int activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.152.3.6 virtual void activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.152.3.7 virtual void activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**BrokerInfoMarshaller.h**

6.153 activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 915).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/BrokerInfoMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller:

Public Member Functions

- **BrokerInfoMarshaller** ()
- virtual ∼**BrokerInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.153.1 Detailed Description

Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 915). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.153.2 Constructor & Destructor Documentation

6.153.2.1 activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller::BrokerInfoMarshaller ( ) [inline]

6.153.2.2 virtual activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller::~BrokerInfoMarshaller ( ) [inline, virtual]

6.153.3 Member Function Documentation

6.153.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.153.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.153.3.3 virtual void activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.153.3.4 virtual void activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.153.3.5 virtual int activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.153.3.6 virtual void activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.153.3.7 virtual void activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**BrokerInfoMarshaller.h**

6.154 activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 919).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/BrokerInfoMarshaller.h>`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller:

Public Member Functions

- **BrokerInfoMarshaller** ()
- virtual ∼**BrokerInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.154.1 Detailed Description

Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 919). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.154.2 Constructor & Destructor Documentation

6.154.2.1 activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller::BrokerInfoMarshaller ( ) [inline]

6.154.2.2 virtual activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller::∼BrokerInfoMarshaller ( ) [inline, virtual]

6.154.3 Member Function Documentation

6.154.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.154.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.154.3.3 virtual void activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.154.3.4 virtual void activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.154.3.5 virtual int activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.154.3.6 virtual void activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.154.3.7 virtual void activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**BrokerInfoMarshaller.h**

6.155 activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 923).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/BrokerInfoMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller:

Public Member Functions

- **BrokerInfoMarshaller** ()
- virtual ~**BrokerInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.155.1 Detailed Description

Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 923). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.155.2 Constructor & Destructor Documentation

6.155.2.1 activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller::BrokerInfoMarshaller ( ) [inline]

6.155.2.2 virtual activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller::∼BrokerInfoMarshaller ( ) [inline, virtual]

6.155.3 Member Function Documentation

6.155.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.155.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.155.3.3 virtual void activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.155.3.4 virtual void activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.155.3.5 virtual int activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.155.3.6 virtual void activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.155.3.7 virtual void activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**BrokerInfoMarshaller.h**

6.156 activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 927).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/BrokerInfoMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller:

Public Member Functions

- **BrokerInfoMarshaller** ()
- virtual ~**BrokerInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.156.1 Detailed Description

Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 927). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.156.2 Constructor & Destructor Documentation

6.156.2.1 activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller::BrokerInfoMarshaller ( ) [inline]

6.156.2.2 virtual activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller::~BrokerInfoMarshaller ( ) [inline, virtual]

6.156.3 Member Function Documentation

6.156.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.156.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.156.3.3 virtual void activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.156.3.4 virtual void activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.156.3.5 virtual int activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.156.3.6 virtual void activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.156.3.7 virtual void activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**BrokerInfoMarshaller.h**

6.157 activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 932).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/BrokerInfoMarsh`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller:

Public Member Functions

- **BrokerInfoMarshaller** ()
- virtual ∼**BrokerInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.157.1 Detailed Description

Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 932). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.157.2 Constructor & Destructor Documentation

6.157.2.1 activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller::BrokerInfoMarshaller ( ) [inline]

6.157.2.2 virtual activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller::~BrokerInfoMarshaller ( ) [inline, virtual]

6.157.3 Member Function Documentation

6.157.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.157.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.157.3.3 virtual void activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.157.3.4 virtual void activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.157.3.5 virtual int activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.157.3.6 virtual void activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.157.3.7 virtual void activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**BrokerInfoMarshaller.h**

6.158 decaf::nio::Buffer Class Reference

A container for data of a specific primitive type.

`#include <src/main/decaf/nio/Buffer.h>`

Inheritance diagram for decaf::nio::Buffer:

Public Member Functions

- **Buffer** (int capactiy)
- **Buffer** (const **Buffer** &other)
- virtual ~**Buffer** ()
- virtual int **capacity** () const
- virtual int **position** () const
- virtual **Buffer** & **position** (int newPosition) throw (lang::exceptions::IllegalArgumentException)

  Sets this buffer's position.

- virtual int **limit** () const
- virtual **Buffer** & **limit** (int newLimit) throw (lang::exceptions::IllegalArgumentException)

  Sets this buffer's limit.

- virtual **Buffer** & **mark** ()

  Sets this buffer's mark at its position.

- virtual **Buffer** & **reset** () throw (InvalidMarkException)

  Resets this buffer's position to the previously-marked position.

- virtual **Buffer** & **clear** ()

  Clears this buffer.

- virtual **Buffer** & **flip** ()

Flips this buffer.

- virtual **Buffer** & **rewind** ()

  Rewinds this buffer.

- virtual int **remaining** () const

  Returns the number of elements between the current position and the limit.

- virtual bool **hasRemaining** () const

  Tells whether there are any elements between the current position and the limit.

- virtual bool **isReadOnly** () const =0

  Tells whether or not this buffer is read-only.

Protected Attributes

- int **_position**
- int **_capacity**
- int **_limit**
- int **_mark**
- bool **_markSet**

6.158.1 Detailed Description

A container for data of a specific primitive type. A buffer is a linear, finite sequence of elements of a specific primitive type. Aside from its content, the essential properties of a buffer are its capacity, limit, and position:

A buffer's capacity is the number of elements it contains. The capacity of a buffer is never negative and never changes.

A buffer's limit is the index of the first element that should not be read or written. A buffer's limit is never negative and is never greater than its capacity.

A buffer's position is the index of the next element to be read or written. A buffer's position is never negative and is never greater than its limit.

There is one subclass of this class for each non-boolean primitive type.

Transferring data: Each subclass of this class defines two categories of get and put operations: ∗ Relative operations read or write one or more elements starting at the current position and then increment the position by the number of elements transferred. If the requested transfer exceeds the limit then a relative get operation throws a **BufferUnderflowException** (p. 967) and a relative put operation throws a **BufferOverflowException** (p. 964); in either case, no data is transferred. ∗ Absolute operations take an explicit element index and do not affect the position. Absolute get and put operations throw an IndexOutOfBoundsException if the index argument exceeds the limit.

Data may also, of course, be transferred in to or out of a buffer by the I/O operations of an appropriate channel, which are always relative to the current position.

Marking and resetting:

A buffer's mark is the index to which its position will be reset when the reset method is invoked. The mark is not always defined, but when it is defined it is never negative and is never greater than the position. If the mark is defined then it is discarded when the position or the limit is adjusted to a value smaller than the mark. If the mark is not defined then invoking the reset method causes an **InvalidMarkException** (p. 2204) to be thrown.

Invariants:

The following invariant holds for the mark, position, limit, and capacity values: 0 <= mark <= position <= limit <= capacity

A newly-created buffer always has a position of zero and a mark that is undefined. The initial limit may be zero, or it may be some other value that depends upon the type of the buffer and the manner in which it is constructed. The initial content of a buffer is, in general, undefined.

Clearing, flipping, and rewinding:

In addition to methods for accessing the position, limit, and capacity values and for marking and resetting, this class also defines the following operations upon buffers:

clear() (p. 939) makes a buffer ready for a new sequence of channel-read or relative put operations: It sets the limit to the capacity and the position to zero.

flip() (p. 939) makes a buffer ready for a new sequence of channel-write or relative get operations: It sets the limit to the current position and then sets the position to zero.

rewind() (p. 942) makes a buffer ready for re-reading the data that it already contains: It leaves the limit unchanged and sets the position to zero.

Read-only buffers:

Every buffer is readable, but not every buffer is writable. The mutation methods of each buffer class are specified as optional operations that will throw a **ReadOnlyBufferException** (p. 3260) when invoked upon a read-only buffer. A read-only buffer does not allow its content to be changed, but its mark, position, and limit values are mutable. Whether or not a buffer is read-only may be determined by invoking its isReadOnly method.

Thread safety:

Buffers are not safe for use by multiple concurrent threads. If a buffer is to be used by more than one thread then access to the buffer should be controlled by appropriate synchronization.

Invocation chaining:

Methods in this class that do not otherwise have a value to return are specified to return the buffer upon which they are invoked. This allows method invocations to be chained; for example, the sequence of statements

b.flip(); b.position(23); b.limit(42);

can be replaced by the single, more compact statement b.flip().position(23).limit(42);

6.158.2 Constructor & Destructor Documentation

6.158.2.1 decaf::nio::Buffer::Buffer (int *capactiy*)

6.158.2.2 decaf::nio::Buffer::Buffer (const Buffer & *other*)

6.158.2.3 virtual decaf::nio::Buffer::~Buffer ( ) [inline, virtual]

6.158.3 Member Function Documentation

6.158.3.1 virtual int decaf::nio::Buffer::capacity ( ) const [inline, virtual]

Returns

this buffer's capacity.

6.158.3.2 virtual Buffer& decaf::nio::Buffer::clear ( ) [virtual]

Clears this buffer.

The position is set to zero, the limit is set to the capacity, and the mark is discarded.

Invoke this method before using a sequence of channel-read or put operations to fill this buffer. For example:

buf.clear(); // Prepare buffer for reading in.read(buf); // Read data

This method does not actually erase the data in the buffer, but it is named as if it did because it will most often be used in situations in which that might as well be the case.

Returns

a reference to this buffer.

6.158.3.3 virtual Buffer& decaf::nio::Buffer::flip ( ) [virtual]

Flips this buffer.

The limit is set to the current position and then the position is set to zero. If the mark is defined then it is discarded.

After a sequence of channel-read or put operations, invoke this method to prepare for a sequence of channel-write or relative get operations. For example:

buf.put(magic); // Prepend header in.read(buf); // Read data into rest of buffer buf.flip(); // Flip buffer out.write(buf); // Write header + data to channel

This method is often used in conjunction with the compact method when transferring data from one place to another.

Returns

a reference to this buffer.

6.158.3.4 virtual bool decaf::nio::Buffer::hasRemaining ( ) const [inline, virtual]

Tells whether there are any elements between the current position and the limit.

Returns

true if, and only if, there is at least one element remaining in this buffer.

6.158.3.5 virtual bool decaf::nio::Buffer::isReadOnly ( ) const [pure virtual]

Tells whether or not this buffer is read-only.

Returns

true if, and only if, this buffer is read-only.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1030), **decaf::internal::nio::CharArrayBuffer** (p. 1145), **decaf::internal::nio::DoubleArrayBuffer** (p. 1863), **decaf::internal::nio::FloatArrayBuffer** (p. 1983), **decaf::internal::nio::IntArrayBuffer** (p. 2128), **decaf::internal::nio::LongArrayBuffer** (p. 2520), **decaf::internal::nio::ShortArrayBuffer** (p. 3558), and **decaf::nio::ByteBuffer** (p. 1068).

6.158.3.6 virtual int decaf::nio::Buffer::limit ( ) const [inline, virtual]

Returns

this buffers Limit

6.158.3.7 virtual Buffer& decaf::nio::Buffer::limit (int *newLimit*) throw (lang::exceptions::IllegalArgumentException) [virtual]

Sets this buffer's limit.

If the position is larger than the new limit then it is set to the new limit. If the mark is defined and larger than the new limit then it is discarded.

Parameters

newLimit	The new limit value; must be no larger than this buffer's capacity.

Returns

A reference to This buffer

Exceptions

IllegalArgumentException	if preconditions on the new pos don't hold.

6.158.3.8 virtual Buffer& decaf::nio::Buffer::mark ( ) [virtual]

Sets this buffer's mark at its position.

Returns

a reference to this buffer.

6.158.3.9 virtual int decaf::nio::Buffer::position ( ) const [inline, virtual]

Returns

the current position in the buffer

6.158.3.10 virtual Buffer& decaf::nio::Buffer::position (int *newPosition*) throw (lang::exceptions::IllegalArgumentException) [virtual]

Sets this buffer's position.

If the mark is defined and larger than the new position then it is discarded.

Parameters

newPosition	The new postion in the buffer to set.

Returns

a reference to This buffer.

Exceptions

IllegalArgumentException	if preconditions on the new pos don't hold.

6.158.3.11 virtual int decaf::nio::Buffer::remaining ( ) const [inline, virtual]

Returns the number of elements between the current position and the limit.

Returns

The number of elements remaining in this buffer

6.158.3.12 virtual Buffer& decaf::nio::Buffer::reset ( ) throw (InvalidMarkException) [virtual]

Resets this buffer's position to the previously-marked position.

Returns

a reference to this buffer.

Exceptions

InvalidMarkException (p. *2204*)	- If the mark has not been set

6.158.3.13 virtual Buffer& decaf::nio::Buffer::rewind ( ) [virtual]

Rewinds this buffer.

The position is set to zero and the mark is discarded.

Invoke this method before a sequence of channel-write or get operations, assuming that the limit has already been set appropriately. For example:

out.write(buf); // Write remaining data buf.rewind(); // Rewind buffer buf.get(array); // Copy data into array

Returns

a reference to this buffer.

6.158.4 Field Documentation

6.158.4.1 int decaf::nio::Buffer::_capacity [protected]

6.158.4.2 int decaf::nio::Buffer::_limit [protected]

6.158.4.3 int decaf::nio::Buffer::_mark [protected]

6.158.4.4 bool decaf::nio::Buffer::_markSet [protected]

6.158.4.5 int decaf::nio::Buffer::_position [mutable, protected]

The documentation for this class was generated from the following file:

- src/main/decaf/nio/**Buffer.h**

6.159 decaf::io::BufferedInputStream Class Reference

A wrapper around another input stream that performs a buffered read, where it reads more data than it needs in order to reduce the number of io operations on the input stream.

`#include <src/main/decaf/io/BufferedInputStream.h>`

Inheritance diagram for decaf::io::BufferedInputStream:

Public Member Functions

- **BufferedInputStream** (**InputStream** ∗stream, bool **own**=false)

  Constructor.

- **BufferedInputStream** (**InputStream** ∗stream, int bufferSize, bool **own**=false) throw (lang::exceptions::IllegalArgumentException)

  Constructor.

- virtual ∼**BufferedInputStream** ()
- virtual int **available** () const throw (decaf::io::IOException)

  Indicates the number of bytes available.
  The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.
  The default implementation of this method returns zero.

  Returns

  the number of bytes available on this input stream.

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

- virtual void **close** () throw (decaf::io::IOException)

  *Closes the **InputStream** (p. 2105) freeing any resources that might have been aquired during the lifetime of this stream.*
  The default implementation of this method does nothing.

- virtual long long **skip** (long long num) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationE)

  Skips over and discards n bytes of data from this input stream.
  The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.
  *The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached.*

Subclasses are encouraged to provide a more efficient implementation of this method.

Parameters

num	*The number of bytes to skip.*

Returns

total bytes skipped

Exceptions

IOException (p. 2210)	*if an I/O error occurs.*
UnsupportedOperationException	*if the concrete stream class does not support skipping bytes.*

- virtual void **mark** (int readLimit)

  Marks the current position in the stream A subsequent call to the reset method repositions this stream at the last marked position so that subsequent reads re-read the same bytes.
  If a stream instance reports that marks are supported then the stream will ensure that the same bytes can be read again after the reset method is called so long the readLimit is not reached.
  Calling mark on a closed stream instance should have no effect.
  The default implementation of this method does nothing.

  Parameters

readLimit	*The max bytes read before marked position is invalid.*

- virtual void **reset** () throw (decaf::io::IOException)

  Repositions this stream to the position at the time the mark method was last called on this input stream.
  *If the method markSupported returns true, then: ∗ If the method mark has not been called since the stream was created, or the number of bytes read from the stream since mark was last called is larger than the argument to mark at that last call, then an **IOException** (p. 2210) might be thrown. ∗ If such an **IOException** (p. 2210) is not thrown, then the stream is reset to a state such that all the bytes read since the most recent call to mark (or since the start of the file, if mark has not been called) will be resupplied to subsequent callers of the read method, followed by any bytes that otherwise would have been the next input data as of the time of the call to reset.*
  *If the method markSupported returns false, then: ∗ The call to reset may throw an **IOException** (p. 2210). ∗ If an **IOException** (p. 2210) is not thrown, then the stream is reset to a fixed state that depends on the particular type of the input stream and how it was created. The bytes that will be supplied to subsequent callers of the read method depend on the particular type of the input stream.*
  *The default implementation of this method throws an **IOException** (p. 2210).*

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

- virtual bool **markSupported** () const

  Determines if this input stream supports the mark and reset methods.
  Whether or not mark and reset are supported is an invariant property of a particular input stream instance.

The default implementation of this method returns false.

Returns

true if this stream instance supports marks

Protected Member Functions

- virtual int **doReadByte** () throw (decaf::io::IOException)
- virtual int **doReadArrayBounded** (unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

6.159.1 Detailed Description

A wrapper around another input stream that performs a buffered read, where it reads more data than it needs in order to reduce the number of io operations on the input stream.

6.159.2 Constructor & Destructor Documentation

6.159.2.1 decaf::io::BufferedInputStream::BufferedInputStream (InputStream ∗ *stream,* bool *own* = `false`)

Constructor.

Parameters

stream	The target input stream to buffer.
own	Indicates if we own the stream object, defaults to false.

6.159.2.2 decaf::io::BufferedInputStream::BufferedInputStream (InputStream ∗ *stream,* int *bufferSize,* bool *own* = `false`) throw (lang::exceptions::IllegalArgumentException)

Constructor.

Parameters

stream	The target input stream to buffer.
bufferSize	The size in bytes to allocate for the internal buffer.
own	Indicates if we own the stream object, defaults to false.

Exceptions

IllegalArgumentException	is the size is zero or negative.

6.159.2.3 virtual decaf::io::BufferedInputStream::~BufferedInputStream ( ) [virtual]

6.159.3 Member Function Documentation

6.159.3.1 virtual int decaf::io::BufferedInputStream::available ( ) const throw (decaf::io::IOException) [virtual]

Indicates the number of bytes available.

The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.

The default implementation of this method returns zero.

Returns

the number of bytes available on this input stream.

Exceptions

IOException (p. *2210*)	if an I/O error occurs.

Reimplemented from **decaf::io::FilterInputStream** (p. 1953).

6.159.3.2 virtual void decaf::io::BufferedInputStream::close ( ) throw (decaf::io::IOException) [virtual]

Closes the **InputStream** (p. 2105) freeing any resources that might have been aquired during the lifetime of this stream.

The default implementation of this method does nothing.

Reimplemented from **decaf::io::FilterInputStream** (p. 1954).

6.159.3.3 virtual int decaf::io::BufferedInputStream::doReadArrayBounded (unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException) [protected, virtual]

Reimplemented from **decaf::io::FilterInputStream** (p. 1954).

6.159.3.4 virtual int decaf::io::BufferedInputStream::doReadByte ( ) throw (decaf::io::IOException) [protected, virtual]

Reimplemented from **decaf::io::FilterInputStream** (p. 1954).

6.159.3.5 virtual void decaf::io::BufferedInputStream::mark (int *readLimit*) [virtual]

Marks the current position in the stream A subsequent call to the reset method repositions this stream at the last marked position so that subsequent reads re-read the same bytes.

If a stream instance reports that marks are supported then the stream will ensure that the same bytes can be read again after the reset method is called so long the readLimit is not reached.

Calling mark on a closed stream instance should have no effect.

The default implementation of this method does nothing.

Parameters

readLimit	The max bytes read before marked position is invalid.

Reimplemented from **decaf::io::FilterInputStream** (p. 1955).

6.159.3.6 virtual bool decaf::io::BufferedInputStream::markSupported ( ) const [inline, virtual]

Determines if this input stream supports the mark and reset methods.

Whether or not mark and reset are supported is an invariant property of a particular input stream instance.

The default implementation of this method returns false.

Returns

true if this stream instance supports marks

Reimplemented from **decaf::io::FilterInputStream** (p. 1955).

6.159.3.7 virtual void decaf::io::BufferedInputStream::reset ( ) throw (**decaf::io::IOException**) [virtual]

Repositions this stream to the position at the time the mark method was last called on this input stream.

If the method markSupported returns true, then: ∗ If the method mark has not been called since the stream was created, or the number of bytes read from the stream since mark was last called is larger than the argument to mark at that last call, then an **IOException** (p. 2210) might be thrown. ∗ If such an **IOException** (p. 2210) is not thrown, then the stream is reset to a state such that all the bytes read since the most recent call to mark (or since the start of the file, if mark has not been called) will be resupplied to subsequent callers of the read method, followed by any bytes that otherwise would have been the next input data as of the time of the call to reset.

If the method markSupported returns false, then: ∗ The call to reset may throw an **IOException** (p. 2210). ∗ If an **IOException** (p. 2210) is not thrown, then the stream

is reset to a fixed state that depends on the particular type of the input stream and how it was created. The bytes that will be supplied to subsequent callers of the read method depend on the particular type of the input stream.

The default implementation of this method throws an **IOException** (p. 2210).

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Reimplemented from **decaf::io::FilterInputStream** (p. 1956).

6.159.3.8 virtual long long decaf::io::BufferedInputStream::skip (long long *num*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Skips over and discards n bytes of data from this input stream.

The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.

The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached. Subclasses are encouraged to provide a more efficient implementation of this method.

Parameters

num	The number of bytes to skip.

Returns

total bytes skipped

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.
UnsupportedOperationException	if the concrete stream class does not support skipping bytes.

Reimplemented from **decaf::io::FilterInputStream** (p. 1956).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**BufferedInputStream.h**

6.160 decaf::io::BufferedOutputStream Class Reference

Wrapper around another output stream that buffers output before writing to the target output stream.

`#include <src/main/decaf/io/BufferedOutputStream.h>`

Inheritance diagram for decaf::io::BufferedOutputStream:

Public Member Functions

- **BufferedOutputStream** (**OutputStream** ∗stream, bool **own**=false)

  Constructor.

- **BufferedOutputStream** (**OutputStream** ∗stream, int bufferSize, bool **own**=false) throw (decaf::lang::exceptions::IllegalArgumentException)

  Constructor.

- virtual ∼**BufferedOutputStream** ()

- virtual void **flush** () throw (decaf::io::IOException)

  inheritDoc}

- virtual void **doWriteByte** (unsigned char c) throw (decaf::io::IOException)
- virtual void **doWriteArray** (const unsigned char ∗buffer, int size) throw (decaf::io::IOException)
- virtual void **doWriteArrayBounded** (const unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

6.160.1 Detailed Description

Wrapper around another output stream that buffers output before writing to the target output stream.

6.160.2 Constructor & Destructor Documentation

6.160.2.1 decaf::io::BufferedOutputStream::BufferedOutputStream (OutputStream ∗ *stream*, bool *own* = `false`)

Constructor.

Parameters

stream	The target output stream.
own	Indicates if this class owns the stream pointer.

6.160.2.2 decaf::io::BufferedOutputStream::BufferedOutputStream (OutputStream * *stream*, int *bufferSize*, bool *own* = `false`) throw (decaf::lang::exceptions::IllegalArgumentException)

Constructor.

Parameters

stream	The target output stream.
bufferSize	The size for the internal buffer.
own	Indicates if this class owns the stream pointer.

Exceptions

IllegalArgumentException	if the bufferSize given is negative.

6.160.2.3 virtual decaf::io::BufferedOutputStream::~BufferedOutputStream ( ) `[virtual]`

6.160.3 Member Function Documentation

6.160.3.1 virtual void decaf::io::BufferedOutputStream::doWriteArray (const unsigned char * *buffer*, int *size*) throw (decaf::io::IOException) `[protected, virtual]`

Reimplemented from **decaf::io::FilterOutputStream** (p. 1960).

6.160.3.2 virtual void decaf::io::BufferedOutputStream::doWriteArrayBounded (const unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) `[protected, virtual]`

Reimplemented from **decaf::io::FilterOutputStream** (p. 1960).

6.160.3.3 virtual void decaf::io::BufferedOutputStream::doWriteByte (unsigned char *c*) throw (decaf::io::IOException) `[protected, virtual]`

Reimplemented from **decaf::io::FilterOutputStream** (p. 1960).

6.160.3.4 virtual void decaf::io::BufferedOutputStream::flush ( ) throw (decaf::io::IOException) [virtual]

inheritDoc}

Reimplemented from **decaf::io::FilterOutputStream** (p. 1960).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**BufferedOutputStream.h**

6.161 decaf::internal::nio::BufferFactory Class Reference

Factory class used by static methods in the **decaf::nio** (p. 147) package to create the various default version of the NIO interfaces.

```
#include <src/main/decaf/internal/nio/BufferFactory.h>
```

Public Member Functions

- virtual ~**BufferFactory** ()

Static Public Member Functions

- static **decaf::nio::ByteBuffer** * **createByteBuffer** (int capacity) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Allocates a new byte buffer whose position will be zero its limit will be its capacity and its mark is not set.

- static **decaf::nio::ByteBuffer** * **createByteBuffer** (unsigned char *buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Wraps the passed buffer with a new ByteBuffer.

- static **decaf::nio::ByteBuffer** * **createByteBuffer** (std::vector< unsigned char > &buffer)

  Wraps the passed STL Byte Vector in a ByteBuffer.

- static **decaf::nio::CharBuffer** * **createCharBuffer** (int capacity) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Allocates a new char buffer whose position will be zero its limit will be its capacity and its mark is not set.

- static **decaf::nio::CharBuffer** * **createCharBuffer** (char *buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsE)

  Wraps the passed buffer with a new CharBuffer.

- static **decaf::nio::CharBuffer** ∗ **createCharBuffer** (std::vector< char > &buffer)

  Wraps the passed STL Byte Vector in a CharBuffer.

- static **decaf::nio::DoubleBuffer** ∗ **createDoubleBuffer** (int capacity) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Allocates a new double buffer whose position will be zero its limit will be its capacity and its mark is not set.

- static **decaf::nio::DoubleBuffer** ∗ **createDoubleBuffer** (double ∗buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Wraps the passed buffer with a new DoubleBuffer.

- static **decaf::nio::DoubleBuffer** ∗ **createDoubleBuffer** (std::vector< double > &buffer)

  Wraps the passed STL Double Vector in a DoubleBuffer.

- static **decaf::nio::FloatBuffer** ∗ **createFloatBuffer** (int capacity) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Allocates a new float buffer whose position will be zero its limit will be its capacity and its mark is not set.

- static **decaf::nio::FloatBuffer** ∗ **createFloatBuffer** (float ∗buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOu
)

  Wraps the passed buffer with a new FloatBuffer.

- static **decaf::nio::FloatBuffer** ∗ **createFloatBuffer** (std::vector< float > &buffer)

  Wraps the passed STL Float Vector in a FloatBuffer.

- static **decaf::nio::LongBuffer** ∗ **createLongBuffer** (int capacity) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Allocates a new long long buffer whose position will be zero its limit will be its capacity and its mark is not set.

- static **decaf::nio::LongBuffer** ∗ **createLongBuffer** (long long ∗buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Wraps the passed buffer with a new LongBuffer.

- static **decaf::nio::LongBuffer** ∗ **createLongBuffer** (std::vector< long long > &buffer)

  Wraps the passed STL Long Vector in a LongBuffer.

- static **decaf::nio::IntBuffer** ∗ **createIntBuffer** (int capacity) throw (decaf::lang::exceptions::IndexOutOfBoundsExce
)

  Allocates a new int buffer whose position will be zero its limit will be its capacity and its mark is not set.

- static **decaf::nio::IntBuffer** ∗ **createIntBuffer** (int ∗buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsExceptio
)

  Wraps the passed buffer with a new IntBuffer.

- static **decaf::nio::IntBuffer** ∗ **createIntBuffer** (std::vector< int > &buffer)

  Wraps the passed STL int Vector in a IntBuffer.

- static **decaf::nio::ShortBuffer** ∗ **createShortBuffer** (int capacity) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Allocates a new short buffer whose position will be zero its limit will be its capacity and its mark is not set.

- static **decaf::nio::ShortBuffer** ∗ **createShortBuffer** (short ∗buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsE
)

  Wraps the passed buffer with a new ShortBuffer.

- static **decaf::nio::ShortBuffer** ∗ **createShortBuffer** (std::vector< short > &buffer)

  Wraps the passed STL Short Vector in a ShortBuffer.

6.161.1 Detailed Description

Factory class used by static methods in the **decaf::nio** (p. 147) package to create the various default version of the NIO interfaces.

Since

1.0

6.161.2 Constructor & Destructor Documentation

6.161.2.1 virtual decaf::internal::nio::BufferFactory::~BufferFactory ( ) [inline, virtual]

6.161.3 Member Function Documentation

6.161.3.1 static decaf::nio::ByteBuffer* decaf::internal::nio::BufferFactory::createByteBuffer (int *capacity*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Allocates a new byte buffer whose position will be zero its limit will be its capacity and its mark is not set.

Parameters

capacity	The internal buffer's capacity.

Returns

a newly allocated ByteBuffer which the caller owns.

Exceptions

IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.2 static decaf::nio::ByteBuffer* decaf::internal::nio::BufferFactory::createByteBuffer (unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new ByteBuffer.

The new buffer will be backed by the given byte array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array length, its position will be offset, its limit will be offset + length, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The array that will back the new buffer.
size	The size of the specified buffer.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new ByteBuffer that is backed by buffer, caller owns the returned pointer.

Exceptions

NullPointerException	if the buffer given in Null.
IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.3 static decaf::nio::ByteBuffer* decaf::internal::nio::BufferFactory::createByteBuffer (std::vector< unsigned char > & *buffer*) [static]

Wraps the passed STL Byte Vector in a ByteBuffer.

The new buffer will be backed by the given byte array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new ByteBuffer that is backed by buffer, caller owns.

6.161.3.4 static decaf::nio::CharBuffer* decaf::internal::nio::BufferFactory::createCharBuffer (int *capacity*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Allocates a new char buffer whose position will be zero its limit will be its capacity and its mark is not set.

Parameters

capacity	The internal buffer's capacity.

Returns

a newly allocated CharBuffer which the caller owns.

Exceptions

IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.5 static decaf::nio::CharBuffer* decaf::internal::nio::BufferFactory::createCharBuffer (char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new CharBuffer.

The new buffer will be backed by the given byte array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array.length, its position will be offset, its limit will be offset + length, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The array that will back the new buffer.
size	The size of the specified buffer.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new CharBuffer that is backed by buffer, caller owns the returned pointer.

Exceptions

NullPointerException	if the buffer given in Null.
IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.6 static decaf::nio::CharBuffer* decaf::internal::nio::BufferFactory::createCharBuffer (std::vector< char > & *buffer*) [static]

Wraps the passed STL Byte Vector in a CharBuffer.

The new buffer will be backed by the given byte array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new CharBuffer that is backed by buffer, caller owns.

6.161.3.7 static decaf::nio::DoubleBuffer* decaf::internal::nio::BufferFactory::createDoubleBuffer (double * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new DoubleBuffer.

The new buffer will be backed by the given byte array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array.length, its position will be offset, its limit will be offset + length, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The array that will back the new buffer.
size	The size of the specified buffer.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new DoubleBuffer that is backed by buffer, caller owns the returned pointer.

Exceptions

NullPointerException	if the buffer given in Null.
IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.8 static decaf::nio::DoubleBuffer* decaf::internal::nio::BufferFactory::createDoubleBuffer (std::vector< double > & *buffer*) [static]

Wraps the passed STL Double Vector in a DoubleBuffer.

The new buffer will be backed by the given byte array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new DoubleBuffer that is backed by buffer, caller owns.

6.161.3.9 static decaf::nio::DoubleBuffer* decaf::internal::nio::BufferFactory::createDoubleBuffer (int *capacity*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Allocates a new double buffer whose position will be zero its limit will be its capacity and its mark is not set.

Parameters

capacity	The internal buffer's capacity.

Returns

a newly allocated DoubleBuffer which the caller owns.

Exceptions

IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.10 static decaf::nio::FloatBuffer* decaf::internal::nio::BufferFactory::createFloatBuffer (int *capacity*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Allocates a new float buffer whose position will be zero its limit will be its capacity and its mark is not set.

Parameters

capacity	The internal buffer's capacity.

Returns

a newly allocated FloatBuffer which the caller owns.

Exceptions

IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.11 static decaf::nio::FloatBuffer* decaf::internal::nio::BufferFactory::createFloatBuffer (float * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new FloatBuffer.

The new buffer will be backed by the given byte array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array.length, its position will be offset, its limit will be offset + length, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The array that will back the new buffer.
size	The size of the specified buffer.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new FloatBuffer that is backed by buffer, caller owns the returned pointer.

Exceptions

NullPointerException	if the buffer given in Null.
IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.12 static decaf::nio::FloatBuffer* decaf::internal::nio::BufferFactory::createFloatBuffer (std::vector< float > & *buffer*) [static]

Wraps the passed STL Float Vector in a FloatBuffer.

The new buffer will be backed by the given byte array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new FloatBuffer that is backed by buffer, caller owns.

6.161.3.13 static decaf::nio::IntBuffer* decaf::internal::nio::BufferFactory::createIntBuffer (int *capacity*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Allocates a new int buffer whose position will be zero its limit will be its capacity and its mark is not set.

Parameters

capacity	The internal buffer's capacity.

Returns

a newly allocated IntBuffer which the caller owns.

Exceptions

IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.14 static decaf::nio::IntBuffer* decaf::internal::nio::BufferFactory::createIntBuffer (std::vector< int > & *buffer*) [static]

Wraps the passed STL int Vector in a IntBuffer.

The new buffer will be backed by the given byte array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new IntBuffer that is backed by buffer, caller owns.

6.161.3.15 static decaf::nio::IntBuffer* decaf::internal::nio::BufferFactory::createIntBuffer (int * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new IntBuffer.

The new buffer will be backed by the given byte array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array.length, its position will be offset, its limit will be offset + length, and its

mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The array that will back the new buffer.
size	The size of the specified buffer.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new IntBuffer that is backed by buffer, caller owns the returned pointer.

Exceptions

NullPointerException	if the buffer given in Null.
IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.16 static decaf::nio::LongBuffer* decaf::internal::nio::BufferFactory::createLongBuffer (std::vector< long long > & *buffer*) [static]

Wraps the passed STL Long Vector in a LongBuffer.

The new buffer will be backed by the given byte array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new LongBuffer that is backed by buffer, caller owns.

6.161.3.17 static decaf::nio::LongBuffer* decaf::internal::nio::BufferFactory::createLongBuffer (int *capacity*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Allocates a new long long buffer whose position will be zero its limit will be its capacity and its mark is not set.

Parameters

capacity	- the internal buffer's capacity.

Returns

a newly allocated DoubleBuffer which the caller owns.

Exceptions

IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.18 static decaf::nio::LongBuffer* decaf::internal::nio::BufferFactory::createLongBuffer (long long * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new LongBuffer.

The new buffer will be backed by the given byte array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array.length, its position will be offset, its limit will be offset + length, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The array that will back the new buffer.
size	The size of the specified buffer.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new LongBuffer that is backed by buffer, caller owns the returned pointer.

Exceptions

NullPointerException	if the buffer given in Null.
IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.19 static decaf::nio::ShortBuffer* decaf::internal::nio::BufferFactory::createShortBuffer (int *capacity*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Allocates a new short buffer whose position will be zero its limit will be its capacity and its mark is not set.

Parameters

capacity	The internal buffer's capacity.

Returns

a newly allocated ShortBuffer which the caller owns.

Exceptions

IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.20 static decaf::nio::ShortBuffer* decaf::internal::nio::BufferFactory::createShortBuffer (short * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new ShortBuffer.

The new buffer will be backed by the given byte array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array.length, its position will be offset, its limit will be offset + length, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The array that will back the new buffer.
size	The size of the specified buffer.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new ShortBuffer that is backed by buffer, caller owns the returned pointer.

Exceptions

NullPointerException	if the buffer given in Null.
IndexOutOfBoundsException	if the capacity specified is negative.

6.161.3.21 static decaf::nio::ShortBuffer* decaf::internal::nio::BufferFactory::createShortBuffer (std::vector< short > & *buffer*) [static]

Wraps the passed STL Short Vector in a ShortBuffer.

The new buffer will be backed by the given byte array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new DoubleBuffer that is backed by buffer, caller owns.

The documentation for this class was generated from the following file:

- src/main/decaf/internal/nio/**BufferFactory.h**

6.162 decaf::nio::BufferOverflowException Class Reference

`#include <src/main/decaf/nio/BufferOverflowException.h>`

Inheritance diagram for decaf::nio::BufferOverflowException:

Public Member Functions

- **BufferOverflowException** () throw ()

  Default Constructor.

- **BufferOverflowException** (const **lang::Exception** &ex) throw ()

  Copy Constructor.

- **BufferOverflowException** (const **BufferOverflowException** &ex) throw ()

  Copy Constructor.

- **BufferOverflowException** (const char *file, const int lineNumber, const std::exception ***cause**, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **BufferOverflowException** (const std::exception ***cause**) throw ()

Constructor.

- **BufferOverflowException** (const char *file, const int lineNumber, const char *msg,...) throw ()

  Constructor.

- virtual **BufferOverflowException** * **clone** () const

  Clones this exception.

- virtual ~**BufferOverflowException** () throw ()

6.162.1 Constructor & Destructor Documentation

6.162.1.1 decaf::nio::BufferOverflowException::BufferOverflowException ( ) throw () [inline]

Default Constructor.

6.162.1.2 decaf::nio::BufferOverflowException::BufferOverflowException (const lang::Exception & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy

6.162.1.3 decaf::nio::BufferOverflowException::BufferOverflowException (const BufferOverflowException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy, which is an instance of this type

6.162.1.4 decaf::nio::BufferOverflowException::BufferOverflowException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.162.1.5 decaf::nio::BufferOverflowException::BufferOverflowException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.162.1.6 decaf::nio::BufferOverflowException::BufferOverflowException (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw () [inline]

Constructor.

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.162.1.7 virtual decaf::nio::BufferOverflowException::~BufferOverflowException ( ) throw () [inline, virtual]

6.162.2 Member Function Documentation

6.162.2.1 virtual BufferOverflowException* decaf::nio::BufferOverflowException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/nio/**BufferOverflowException.h**

6.163 decaf::nio::BufferUnderflowException Class Reference

`#include <src/main/decaf/nio/BufferUnderflowException.h>`

Inheritance diagram for decaf::nio::BufferUnderflowException:

Public Member Functions

- **BufferUnderflowException** () throw ()

  Default Constructor.

- **BufferUnderflowException** (const **lang::Exception** &ex) throw ()

  Copy Constructor.

- **BufferUnderflowException** (const **BufferUnderflowException** &ex) throw ()

  Copy Constructor.

- **BufferUnderflowException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **BufferUnderflowException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **BufferUnderflowException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor.

- virtual **BufferUnderflowException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**BufferUnderflowException** () throw ()

6.163.1 Constructor & Destructor Documentation

6.163.1.1 decaf::nio::BufferUnderflowException::BufferUnderflowException ( ) throw () [inline]

Default Constructor.

6.163.1.2 decaf::nio::BufferUnderflowException::BufferUnderflowException (const lang::Exception & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy

6.163.1.3 decaf::nio::BufferUnderflowException::BufferUnderflowException (const BufferUnderflowException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy, which is an instance of this type

6.163.1.4 decaf::nio::BufferUnderflowException::BufferUnderflowException (const char * *file,* const int *lineNumber,* const std::exception * *cause,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.163.1.5 decaf::nio::BufferUnderflowException::BufferUnderflowException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.163.1.6 decaf::nio::BufferUnderflowException::BufferUnderflowException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor.

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.163.1.7 virtual decaf::nio::BufferUnderflowException::~BufferUnderflowException ( ) throw () [inline, virtual]

6.163.2 Member Function Documentation

6.163.2.1 virtual BufferUnderflowException* decaf::nio::BufferUnderflowException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/nio/**BufferUnderflowException.h**

6.164 decaf::lang::Byte Class Reference

`#include <src/main/decaf/lang/Byte.h>`

Inheritance diagram for decaf::lang::Byte:

Public Member Functions

- **Byte** (unsigned char value)
- **Byte** (const std::string &value) throw (exceptions::NumberFormatException)
- virtual ~**Byte** ()
- virtual int **compareTo** (const **Byte** &c) const

  *Compares this **Byte** (p. 969) instance with another.*

- virtual bool **operator==** (const **Byte** &c) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const **Byte** &c) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- virtual int **compareTo** (const unsigned char &c) const

  *Compares this **Byte** (p. 969) instance with a char type.*

- virtual bool **operator==** (const unsigned char &c) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const unsigned char &c) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- bool **equals** (const **Byte** &c) const
- bool **equals** (const unsigned char &c) const
- std::string **toString** () const
- virtual double **doubleValue** () const

  Answers the double value which the receiver represents.

- virtual float **floatValue** () const

  Answers the float value which the receiver represents.

- virtual unsigned char **byteValue** () const

  Answers the byte value which the receiver represents.

- virtual short **shortValue** () const

  Answers the short value which the receiver represents.

- virtual int **intValue** () const

  Answers the int value which the receiver represents.

- virtual long long **longValue** () const

  Answers the long value which the receiver represents.

Static Public Member Functions

- static std::string **toString** (unsigned char value)
- static **Byte decode** (const std::string &value) throw (exceptions::NumberFormatException)

  *Decodes a **String** (p. 3775) into a **Byte** (p. 969).*

- static unsigned char **parseByte** (const std::string &s, int radix) throw (exceptions::NumberFormatException)

  Parses the string argument as a signed unsigned char in the radix specified by the second argument.

- static unsigned char **parseByte** (const std::string &s) throw (exceptions::NumberFormatException)

  Parses the string argument as a signed decimal unsigned char.

- static **Byte valueOf** (unsigned char value)

  *Returns a **Character** (p. 1126) instance representing the specified char value.*

- static **Byte valueOf** (const std::string &value) throw (exceptions::NumberFormatException)

  *Returns a **Byte** (p. 969) object holding the value given by the specified std::string.*

- static **Byte valueOf** (const std::string &value, int radix) throw (exceptions::NumberFormatException)

  *Returns a **Byte** (p. 969) object holding the value extracted from the specified std::string when parsed with the radix given by the second argument.*

Static Public Attributes

- static const unsigned char **MIN_VALUE** = 0x7F

  The minimum value that a unsigned char can take on.

- static const unsigned char **MAX_VALUE** = 0x80

  The maximum value that a unsigned char can take on.

- static const int **SIZE** = 8

  The size of the primitive charactor in bits.

6.164.1 Constructor & Destructor Documentation

6.164.1.1 decaf::lang::Byte::Byte (unsigned char *value*)

Parameters

value	- the primitive value to wrap

6.164.1.2 decaf::lang::Byte::Byte (const std::string & *value*) throw (exceptions::NumberFormatException)

Parameters

value	- the string to convert to an unsigned char

Exceptions

NumberFormatException	

6.164.1.3 virtual decaf::lang::Byte::~Byte ( ) [inline, virtual]

6.164.2 Member Function Documentation

6.164.2.1 virtual unsigned char decaf::lang::Byte::byteValue ( ) const [inline, virtual]

Answers the byte value which the receiver represents.

Returns

byte the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2919).

6.164.2.2 virtual int decaf::lang::Byte::compareTo (const unsigned char & *c*) const [inline, virtual]

Compares this **Byte** (p. 969) instance with a char type.

Parameters

c	- the char instance to be compared

Returns

zero if this object represents the same char value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object repesents a value less than the passed in value.

Implements **decaf::lang::Comparable< unsigned char >** (p. 1249).

6.164.2.3 virtual int decaf::lang::Byte::compareTo (const Byte & *c*) const [inline, virtual]

Compares this **Byte** (p. 969) instance with another.

Parameters

c	- the **Byte** (p. 969) instance to be compared

Returns

zero if this object represents the same char value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object repesents a value less than the passed in value.

Implements **decaf::lang::Comparable**< **Byte** > (p. 1249).

6.164.2.4 static Byte decaf::lang::Byte::decode (const std::string & *value*) throw (exceptions::NumberFormatException) [static]

Decodes a **String** (p. 3775) into a **Byte** (p. 969).

Accepts decimal, hexadecimal, and octal numbers given by the following grammar:

The sequence of characters following an (optional) negative sign and/or radix specifier ("0x", "0X", "#", or leading zero) is parsed as by the **Byte::parseByte** (p. 976) method with the indicated radix (10, 16, or 8). This sequence of characters must represent a positive value or a NumberFormatException will be thrown. The result is negated if first character of the specified **String** (p. 3775) is the minus sign. No whitespace characters are permitted in the string.

Parameters

value	- The string to decode

Returns

a **Byte** (p. 969) object containing the decoded value

Exceptions

NumberFomatException	if the string is not formatted correctly.

6.164.2.5 virtual double decaf::lang::Byte::doubleValue ( ) const [inline, virtual]

Answers the double value which the receiver represents.

Returns

double the value of the receiver.

Implements **decaf::lang::Number** (p. 2919).

6.164.2.6 bool decaf::lang::Byte::equals (const unsigned char & *c*) const [inline, virtual]

Returns

true if the two Bytes have the same value.

Implements **decaf::lang::Comparable< unsigned char >** (p. 1250).

6.164.2.7 bool decaf::lang::Byte::equals (const Byte & *c*) const [inline, virtual]

Returns

true if the two **Byte** (p. 969) Objects have the same value.

Implements **decaf::lang::Comparable< Byte >** (p. 1250).

6.164.2.8 virtual float decaf::lang::Byte::floatValue ( ) const [inline, virtual]

Answers the float value which the receiver represents.

Returns

float the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.164.2.9 virtual int decaf::lang::Byte::intValue ( ) const [inline, virtual]

Answers the int value which the receiver represents.

Returns

int the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.164.2.10 virtual long long decaf::lang::Byte::longValue ( ) const [inline, virtual]

Answers the long value which the receiver represents.

Returns

long long the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.164.2.11 virtual bool decaf::lang::Byte::operator< (const unsigned char & *c*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

c	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< unsigned char >** (p. 1250).

6.164.2.12 virtual bool decaf::lang::Byte::operator< (const Byte & *c*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

c	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< Byte >** (p. 1250).

6.164.2.13 virtual bool decaf::lang::Byte::operator== (const Byte & *c*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

c	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< Byte >** (p. 1250).

6.164.2.14 virtual bool decaf::lang::Byte::operator== (const unsigned char & *c*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

c	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< unsigned char >** (p. 1250).

6.164.2.15 static unsigned char decaf::lang::Byte::parseByte (const std::string & *s*) throw (**exceptions::NumberFormatException**) [static]

Parses the string argument as a signed decimal unsigned char.

The characters in the string must all be decimal digits, except that the first character may be an ASCII minus sign '-' to indicate a negative value. The resulting unsigned char value is returned, exactly as if the argument and the radix 10 were given as arguments to the parseByte(const std::string, int) method.

Parameters

s	- **String** (p. 3775) to convert to a unsigned char

Returns

the converted unsigned char value

Exceptions

NumberFormatException	if the string is not a unsigned char.

6.164.2.16 static unsigned char decaf::lang::Byte::parseByte (const std::string & *s*, int *radix*) throw (**exceptions::NumberFormatException**) [static]

Parses the string argument as a signed unsigned char in the radix specified by the second argument.

The characters in the string must all be digits, of the specified radix (as determined by whether **Character.digit(char, int)** (p. 1130) returns a nonnegative value) except that the first character may be an ASCII minus sign '-' to indicate a negative value. The resulting byte value is returned.

An exception of type NumberFormatException is thrown if any of the following situations occurs: ∗ The first argument is null or is a string of length zero. ∗ The radix is ei-

ther smaller than **Character.MIN_RADIX** (p. 1134) or larger than **Character::MAX_-RADIX** (p. 1134). ∗ Any character of the string is not a digit of the specified radix, except that the first character may be a minus sign '-' provided that the string is longer than length 1. ∗ The value represented by the string is not a value of type unsigned char.

Parameters

s	- the **String** (p. 3775) containing the unsigned char to be parsed
radix	- the radix to be used while parsing s

Returns

the unsigned char represented by the string argument in the specified radix.

Exceptions

NumberFormatException	- If **String** (p. 3775) does not contain a parsable unsigned char.

6.164.2.17 virtual short decaf::lang::Byte::shortValue ( ) const [inline, virtual]

Answers the short value which the receiver represents.

Returns

short the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2920).

6.164.2.18 static std::string decaf::lang::Byte::toString (unsigned char *value*) [static]

Returns

a string representing the primitive value as Base 10

6.164.2.19 std::string decaf::lang::Byte::toString ( ) const

Returns

this **Byte** (p. 969) Object as a **String** (p. 3775) Representation

6.164.2.20 static Byte decaf::lang::Byte::valueOf (unsigned char *value*) [inline, static]

Returns a **Character** (p. 1126) instance representing the specified char value.

Parameters

value	- the primitive char to wrap.

Returns

a new **Character** (p. 1126) instance that wraps this value.

6.164.2.21 static Byte decaf::lang::Byte::valueOf (const std::string & *value*, int *radix*) throw (exceptions::NumberFormatException) [static]

Returns a **Byte** (p. 969) object holding the value extracted from the specified std::string when parsed with the radix given by the second argument.

The first argument is interpreted as representing a signed unsigned char in the radix specified by the second argument, exactly as if the argument were given to the parseByte(std::string, int) method. The result is a **Byte** (p. 969) object that represents the unsigned char value specified by the string.

Parameters

value	- std::string to parse as base (radix)
radix	- base of the string to parse.

Returns

new **Byte** (p. 969) Object wrapping the primitive

Exceptions

NumberFormatException	if the string is not a valid unsigned char.

6.164.2.22 static Byte decaf::lang::Byte::valueOf (const std::string & *value*) throw (exceptions::NumberFormatException) [static]

Returns a **Byte** (p. 969) object holding the value given by the specified std::string.

The argument is interpreted as representing a signed decimal unsigned char, exactly as if the argument were given to the parseByte(std::string) method. The result is a **Byte** (p. 969) object that represents the unsigned char value specified by the string.

Parameters

value	- std::string to parse as base 10

Returns

new **Byte** (p. 969) Object wrapping the primitive

Exceptions

NumberFormatException	if the string is not a decimal unsigned char.

6.164.3 Field Documentation

6.164.3.1 const unsigned char decaf::lang::Byte::MAX_VALUE = 0x80 [static]

The maximum value that a unsigned char can take on.

6.164.3.2 const unsigned char decaf::lang::Byte::MIN_VALUE = 0x7F [static]

The minimum value that a unsigned char can take on.

6.164.3.3 const int decaf::lang::Byte::SIZE = 8 [static]

The size of the primitive charactor in bits.

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Byte.h**

6.165 decaf::internal::util::ByteArrayAdapter Class Reference

This class adapts primitive type arrays to a base byte array so that the classes can interoperate on the same base byte array without copying data.

`#include <src/main/decaf/internal/util/ByteArrayAdapter.h>`

Data Structures

- union **Array**

Public Member Functions

- **ByteArrayAdapter** (int size) throw (decaf::lang::exceptions::IllegalArgumentException)

  Creates a byte array object that is allocated internally and is then owned and deleted when this object is deleted.

- **ByteArrayAdapter** (unsigned char *array, int size, bool own=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte array object that wraps the given array.

- **ByteArrayAdapter** (char *array, int size, bool own=false) throw (decaf::lang::exceptions::NullPointerExc decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte array object that wraps the given array.

- **ByteArrayAdapter** (double *array, int size, bool own=false) throw (decaf::lang::exceptions::NullPointerE decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte array object that wraps the given array.

- **ByteArrayAdapter** (float *array, int size, bool own=false) throw (decaf::lang::exceptions::NullPointerExc decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte array object that wraps the given array.

- **ByteArrayAdapter** (long long *array, int size, bool own=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte array object that wraps the given array.

- **ByteArrayAdapter** (int *array, int size, bool own=false) throw (decaf::lang::exceptions::NullPointerExce decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte array object that wraps the given array.

- **ByteArrayAdapter** (short *array, int size, bool own=false) throw (decaf::lang::exceptions::NullPointerEx decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte array object that wraps the given array.

- virtual ~**ByteArrayAdapter** ()
- virtual int **getCapacity** () const

  Gets the size of the underlying array.

- virtual int **getCharCapacity** () const

  Gets the size of the underlying array as if it contains chars.

- virtual int **getDoubleCapacity** () const

  Gets the size of the underlying array as if it contains doubles.

- virtual int **getFloatCapacity** () const

  Gets the size of the underlying array as if it contains doubles.

- virtual int **getLongCapacity** () const

  Gets the size of the underlying array as if it contains doubles.

- virtual int **getIntCapacity** () const

  Gets the size of the underlying array as if it contains ints.

- virtual int **getShortCapacity** () const

  Gets the size of the underlying array as if it contains shorts.

- virtual unsigned char * **getByteArray** ()

  Gets the pointer to the array we are wrapping.

- virtual char * **getCharArray** ()

  Gets the pointer to the array we are wrapping.

- virtual short * **getShortArray** ()

  Gets the pointer to the array we are wrapping.

- virtual int * **getIntArray** ()

  Gets the pointer to the array we are wrapping.

- virtual long long * **getLongArray** ()

  Gets the pointer to the array we are wrapping.

- virtual double * **getDoubleArray** ()

  Gets the pointer to the array we are wrapping.

- virtual float * **getFloatArray** ()

  Gets the pointer to the array we are wrapping.

- virtual void **read** (unsigned char *buffer, int size, int offset, int length) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException, decaf::nio::BufferUnderflowException)

  Reads from the Byte array starting at the specified offset and reading the specified length.

- virtual void **write** (unsigned char *buffer, int size, int offset, int length) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException, decaf::nio::BufferOverflowException)

  Writes from the Byte array given, starting at the specified offset and writing the specified amount of data into this objects internal array.

- virtual void **resize** (int size) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::InvalidStateException)

  Resizes the underlying array to the new given size, preserving all the Data that was previously in the array, unless the resize is smaller than the current size in which case only the data that will fit into the new array is preserved.

- virtual void **clear** () throw ()

  Clear all data from that Array, setting the underlying bytes to zero.

- unsigned char & **operator[]** (int index) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  *Allows the **ByteArrayAdapter** (p. 979) to be indexed as a standard array.*

- const unsigned char & **operator[ ]** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsEx)
- virtual unsigned char **get** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Absolute get method.

- virtual char **getChar** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads one byte at the given index and returns it.

- virtual double **getDouble** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads eight bytes at the given index and returns it.

- virtual double **getDoubleAt** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsExceptio)

  Reads eight bytes at the given byte index and returns it.

- virtual float **getFloat** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads four bytes at the given index and returns it.

- virtual float **getFloatAt** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads four bytes at the given byte index and returns it.

- virtual long long **getLong** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads eight bytes at the given index and returns it.

- virtual long long **getLongAt** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsExceptio)

  Reads eight bytes at the given byte index and returns it.

- virtual int **getInt** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads four bytes at the given index and returns it.

- virtual int **getIntAt** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads four bytes at the given byte index and returns it.

- virtual short **getShort** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads two bytes at the given index and returns it.

- virtual short **getShortAt** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads two bytes at the given byte index and returns it.

- virtual **ByteArrayAdapter** & **put** (int index, unsigned char value) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Writes the given byte into this buffer at the given index.

- virtual **ByteArrayAdapter** & **putChar** (int index, char value) throw (decaf::lang::exceptions::IndexOutOfBoundsExce)

  Writes one byte containing the given value, into this buffer at the given index.

- virtual **ByteArrayAdapter** & **putDouble** (int index, double value) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Writes eight bytes containing the given value, into this buffer at the given index.

- virtual **ByteArrayAdapter** & **putDoubleAt** (int index, double value) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Writes eight bytes containing the given value, into this buffer at the given byte index.

- virtual **ByteArrayAdapter** & **putFloat** (int index, float value) throw (decaf::lang::exceptions::IndexOutOfBoundsExce)

  Writes four bytes containing the given value, into this buffer at the given index.

- virtual **ByteArrayAdapter** & **putFloatAt** (int index, float value) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Writes four bytes containing the given value, into this buffer at the given byte index.

- virtual **ByteArrayAdapter** & **putLong** (int index, long long value) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Writes eight bytes containing the given value, into this buffer at the given index.

- virtual **ByteArrayAdapter** & **putLongAt** (int index, long long value) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Writes eight bytes containing the given value, into this buffer at the given byte index.

- virtual **ByteArrayAdapter** & **putInt** (int index, int value) throw (decaf::lang::exceptions::IndexOutOfBoundsExceptio)

  Writes four bytes containing the given value, into this buffer at the given index.

- virtual **ByteArrayAdapter** & **putIntAt** (int index, int value) throw (decaf::lang::exceptions::IndexOutOfBoundsExcep)

  Writes four bytes containing the given value, into this buffer at the given byte index.

- virtual **ByteArrayAdapter** & **putShort** (int index, short value) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Writes two bytes containing the given value, into this buffer at the given index.

- virtual **ByteArrayAdapter** & **putShortAt** (int index, short value) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Writes two bytes containing the given value, into this buffer at the given byte index.

6.165.1 Detailed Description

This class adapts primitive type arrays to a base byte array so that the classes can interoperate on the same base byte array without copying data. All the array types are mapped down to a byte array and methods are supplied for accessing the data in any of the primitive type forms.

Methods in this class that do not return a specific value return a reference to this object so that calls can be chained.

Since

1.0

6.165.2 Constructor & Destructor Documentation

6.165.2.1 decaf::internal::util::ByteArrayAdapter::ByteArrayAdapter (int *size*) throw (decaf::lang::exceptions::IllegalArgumentException)

Creates a byte array object that is allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

size	The size of the array, this is the limit we read and write to.

Exceptions

IllegalArgumentException	if size is negative.

6.165.2.2 decaf::internal::util::ByteArrayAdapter::ByteArrayAdapter (unsigned char * *array,* int *size,* bool *own* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte array object that wraps the given array.

If the own flag is set then it will delete this array when this object is deleted.

Parameters

array	The physical array to wrap.
size	The size of the array, this is the limit we read and write to.
own	Indicates if this class is now the owner of the pointer.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if the size is negative.

6.165.2.3 decaf::internal::util::ByteArrayAdapter::ByteArrayAdapter (char * *array*, int *size*, bool *own* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte array object that wraps the given array.

If the own flag is set then it will delete this array when this object is deleted.

Parameters

array	The physical array to wrap.
size	The size of the array, this is the limit we read and write to.
own	Indicates if this class is now the owner of the pointer.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if the size is negative.

6.165.2.4 decaf::internal::util::ByteArrayAdapter::ByteArrayAdapter (double * *array*, int *size*, bool *own* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte array object that wraps the given array.

If the own flag is set then it will delete this array when this object is deleted.

Parameters

array	The physical array to wrap.
size	The size of the array, this is the limit we read and write to.
own	Indicates if this class is now the owner of the pointer.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if the size is negative.

6.165.2.5 decaf::internal::util::ByteArrayAdapter::ByteArrayAdapter (float * *array*, int *size*, bool *own* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte array object that wraps the given array.

If the own flag is set then it will delete this array when this object is deleted.

Parameters

array	The physical array to wrap.
size	The size of the array, this is the limit we read and write to.
own	Indicates if this class is now the owner of the pointer.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if the size is negative.

6.165.2.6 decaf::internal::util::ByteArrayAdapter::ByteArrayAdapter (long long * *array*, int *size*, bool *own* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte array object that wraps the given array.

If the own flag is set then it will delete this array when this object is deleted.

Parameters

array	The physical array to wrap.
size	The size of the array, this is the limit we read and write to.
own	Indicates if this class is now the owner of the pointer.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if the size is negative.

6.165.2.7 decaf::internal::util::ByteArrayAdapter::ByteArrayAdapter (int * *array,* int *size,* bool *own* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte array object that wraps the given array.

If the own flag is set then it will delete this array when this object is deleted.

Parameters

array	The physical array to wrap.
size	The size of the array, this is the limit we read and write to.
own	Indicates if this class is now the owner of the pointer.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if the size is negative.

6.165.2.8 decaf::internal::util::ByteArrayAdapter::ByteArrayAdapter (short * *array,* int *size,* bool *own* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte array object that wraps the given array.

If the own flag is set then it will delete this array when this object is deleted.

Parameters

array	The physical array to wrap.
size	The size of the array, this is the limit we read and write to.
own	Indicates if this class is now the owner of the pointer.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if the size is negative.

6.165.2.9 virtual decaf::internal::util::ByteArrayAdapter::~ByteArrayAdapter ( ) [virtual]

6.165.3 Member Function Documentation

6.165.3.1 virtual void decaf::internal::util::ByteArrayAdapter::clear ( ) throw () [virtual]

Clear all data from that Array, setting the underlying bytes to zero.

6.165.3.2 virtual unsigned char decaf::internal::util::ByteArrayAdapter::get (int *index*) const throw (**decaf::lang::exceptions::IndexOutOfBoundsException**) [virtual]

Absolute get method.

Reads the byte at the given index.

Parameters

index	The index in the Buffer where the byte is to be read.

Returns

the byte that is located at the given index.

Exceptions

IndexOutOfBoundsException	If index is not smaller than the buffer's limit or is negative.

6.165.3.3 virtual unsigned char* decaf::internal::util::ByteArrayAdapter::getByteArray ( ) [inline, virtual]

Gets the pointer to the array we are wrapping.

Changes to the data in this array are reflected by all **ByteArrayAdapter** (p. 979) objects that point to this array.

Returns

an unsigned char* pointer to the array this object wraps.

6.165.3.4 virtual int decaf::internal::util::ByteArrayAdapter::getCapacity ( ) const [inline, virtual]

Gets the size of the underlying array.

Returns

the size the array.

6.165.3.5 virtual char decaf::internal::util::ByteArrayAdapter::getChar (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads one byte at the given index and returns it.

Parameters

index	The index in the Buffer where the byte is to be read.

Returns

the byte that is located at the given index.

Exceptions

IndexOutOfBoundsException	If index is not smaller than the buffer's limit or is negative.

6.165.3.6 virtual char* decaf::internal::util::ByteArrayAdapter::getCharArray ( ) [inline, virtual]

Gets the pointer to the array we are wrapping.

Changes to the data in this array are reflected by all **ByteArrayAdapter** (p. 979) objects that point to this array.

Returns

an char* pointer to the array this object wraps.

6.165.3.7 virtual int decaf::internal::util::ByteArrayAdapter::getCharCapacity ( ) const [inline, virtual]

Gets the size of the underlying array as if it contains chars.

Returns

the size the array.

6.165.3.8 virtual double decaf::internal::util::ByteArrayAdapter::getDouble (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads eight bytes at the given index and returns it.

The index is a relative to the size of the type to be read, in other words when accessing the element in the array index * sizeof(type) if the actual start index of the type to be read.

Parameters

index	The index in the Buffer where the bytes are to be read.

Returns

the value at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

6.165.3.9 virtual double* decaf::internal::util::ByteArrayAdapter::getDoubleArray ( )

`[inline, virtual]`

Gets the pointer to the array we are wrapping.

Changes to the data in this array are reflected by all **ByteArrayAdapter** (p. 979) objects that point to this array.

Returns

an double* pointer to the array this object wraps.

6.165.3.10 virtual double decaf::internal::util::ByteArrayAdapter::getDoubleAt (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

`[virtual]`

Reads eight bytes at the given byte index and returns it.

Parameters

index	The index in the Buffer where the bytes are to be read

Returns

the value at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

6.165.3.11 virtual int decaf::internal::util::ByteArrayAdapter::getDoubleCapacity ( ) const

`[inline, virtual]`

Gets the size of the underlying array as if it contains doubles.

Returns

the size the array.

6.165.3.12 virtual float decaf::internal::util::ByteArrayAdapter::getFloat (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads four bytes at the given index and returns it.

The index is a relative to the size of the type to be read, in other words when accessing the element in the array index ∗ sizeof(type) if the actual start index of the type to be read.

Parameters

index	The index in the Buffer where the bytes are to be read.

Returns

the value at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

6.165.3.13 virtual float∗ decaf::internal::util::ByteArrayAdapter::getFloatArray ( ) [inline, virtual]

Gets the pointer to the array we are wrapping.

Changes to the data in this array are reflected by all **ByteArrayAdapter** (p. 979) objects that point to this array.

Returns

an float∗ pointer to the array this object wraps.

6.165.3.14 virtual float decaf::internal::util::ByteArrayAdapter::getFloatAt (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads four bytes at the given byte index and returns it.

Parameters

index	The index in the Buffer where the bytes are to be read

Returns

the value at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

6.165.3.15 virtual int decaf::internal::util::ByteArrayAdapter::getFloatCapacity ( ) const [inline, virtual]

Gets the size of the underlying array as if it contains doubles.

Returns

the size the array.

6.165.3.16 virtual int decaf::internal::util::ByteArrayAdapter::getInt (int *index*) const throw (**decaf::lang::exceptions::IndexOutOfBoundsException**) [virtual]

Reads four bytes at the given index and returns it.

The index is a relative to the size of the type to be read, in other words when accessing the element in the array index ∗ sizeof(type) if the actual start index of the type to be read.

Parameters

index	The index in the Buffer where the bytes are to be read.

Returns

the value at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

6.165.3.17 virtual int∗ decaf::internal::util::ByteArrayAdapter::getIntArray ( ) [inline, virtual]

Gets the pointer to the array we are wrapping.

Changes to the data in this array are reflected by all **ByteArrayAdapter** (p. 979) objects that point to this array.

Returns

an int∗ pointer to the array this object wraps.

6.165.3.18 virtual int decaf::internal::util::ByteArrayAdapter::getIntAt (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads four bytes at the given byte index and returns it.

Parameters

index	The index in the Buffer where the bytes are to be read

Returns

the value at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

6.165.3.19 virtual int decaf::internal::util::ByteArrayAdapter::getIntCapacity ( ) const [inline, virtual]

Gets the size of the underlying array as if it contains ints.

Returns

the size the array.

6.165.3.20 virtual long long decaf::internal::util::ByteArrayAdapter::getLong (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads eight bytes at the given index and returns it.

The index is a relative to the size of the type to be read, in other words when accessing the element in the array index ∗ sizeof(type) if the actual start index of the type to be read.

Parameters

index	The index in the Buffer where the bytes are to be read.

Returns

the value at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

6.165.3.21 virtual long long* decaf::internal::util::ByteArrayAdapter::getLongArray ( )

`[inline, virtual]`

Gets the pointer to the array we are wrapping.

Changes to the data in this array are reflected by all **ByteArrayAdapter** (p. 979) objects that point to this array.

Returns

an long long* pointer to the array this object wraps.

6.165.3.22 virtual long long decaf::internal::util::ByteArrayAdapter::getLongAt (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

`[virtual]`

Reads eight bytes at the given byte index and returns it.

Parameters

index	The index in the Buffer where the bytes are to be read

Returns

the value at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

6.165.3.23 virtual int decaf::internal::util::ByteArrayAdapter::getLongCapacity ( ) const

`[inline, virtual]`

Gets the size of the underlying array as if it contains doubles.

Returns

the size the array.

6.165.3.24 virtual short decaf::internal::util::ByteArrayAdapter::getShort (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads two bytes at the given index and returns it.

The index is a relative to the size of the type to be read, in other words when accessing the element in the array index ∗ sizeof(type) if the actual start index of the type to be read.

Parameters

index	The index in the Buffer where the bytes are to be read.

Returns

the value at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

6.165.3.25 virtual short∗ decaf::internal::util::ByteArrayAdapter::getShortArray ( ) [inline, virtual]

Gets the pointer to the array we are wrapping.

Changes to the data in this array are reflected by all **ByteArrayAdapter** (p. 979) objects that point to this array.

Returns

an short∗ pointer to the array this object wraps.

6.165.3.26 virtual short decaf::internal::util::ByteArrayAdapter::getShortAt (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads two bytes at the given byte index and returns it.

Parameters

index	The index in the Buffer where the bytes are to be read

Returns

the value at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

6.165.3.27 virtual int decaf::internal::util::ByteArrayAdapter::getShortCapacity ( ) const [inline, virtual]

Gets the size of the underlying array as if it contains shorts.

Returns

the size the array.

6.165.3.28 unsigned char& decaf::internal::util::ByteArrayAdapter::operator[] (int *index*) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

Allows the **ByteArrayAdapter** (p. 979) to be indexed as a standard array.

calling the non constant version allows the user to change the value at index

Parameters

index	The position in the array to access, if the value is negative or greater than the size of the underlying array an IndexOutOfBoundsException is thrown.

Exceptions

IndexOutOfBoundsException	if the preconditions of index are not met.

6.165.3.29 const unsigned char& decaf::internal::util::ByteArrayAdapter::operator[] (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

6.165.3.30 virtual ByteArrayAdapter& decaf::internal::util::ByteArrayAdapter::put (int *index*, unsigned char *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes the given byte into this buffer at the given index.

The index is a relative to the size of the type to be read, in other words when accessing the element in the array index $*$ sizeof(type) if the actual start index of the type to be read.

Parameters

index	The position in the Buffer to write the data.
value	The value to write to the array.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.

6.165.3.31 virtual ByteArrayAdapter& decaf::internal::util::ByteArrayAdapter::putChar (int *index*, char *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes one byte containing the given value, into this buffer at the given index.

The index is a relative to the size of the type to be read, in other words when accessing the element in the array index ∗ sizeof(type) if the actual start index of the type to be read.

Parameters

index	The position in the Buffer to write the data.
value	The value to write to the array.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.

6.165.3.32 virtual ByteArrayAdapter& decaf::internal::util::ByteArrayAdapter::putDouble (int *index*, double *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes eight bytes containing the given value, into this buffer at the given index.

The index is a relative to the size of the type to be read, in other words when accessing the element in the array index ∗ sizeof(type) if the actual start index of the type to be read.

Parameters

index	The position in the Buffer to write the data.
value	The value to write to the array.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.

6.165.3.33 virtual ByteArrayAdapter& decaf::internal::util::ByteArrayAdapter::putDoubleAt (int *index*, double *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes eight bytes containing the given value, into this buffer at the given byte index.

Parameters

index	The position in the Buffer to write the data.
value	The value to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.

6.165.3.34 virtual ByteArrayAdapter& decaf::internal::util::ByteArrayAdapter::putFloat (int *index*, float *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes four bytes containing the given value, into this buffer at the given index.

The index is a relative to the size of the type to be read, in other words when accessing the element in the array index $*$ sizeof(type) if the actual start index of the type to be read.

Parameters

index	The position in the Buffer to write the data.
value	The value to write to the array.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.

6.165.3.35 virtual ByteArrayAdapter& decaf::internal::util::ByteArrayAdapter::putFloatAt (int *index*, float *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes four bytes containing the given value, into this buffer at the given byte index.

Parameters

index	The position in the Buffer to write the data.
value	The value to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.

6.165.3.36 virtual ByteArrayAdapter& decaf::internal::util::ByteArrayAdapter::putInt (int *index*, int *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes four bytes containing the given value, into this buffer at the given index.

The index is a relative to the size of the type to be read, in other words when accessing the element in the array index $*$ sizeof(type) if the actual start index of the type to be read.

Parameters

index	The position in the Buffer to write the data.
value	The value to write to the array.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.

6.165.3.37 virtual ByteArrayAdapter& decaf::internal::util::ByteArrayAdapter::putIntAt (int *index*, int *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes four bytes containing the given value, into this buffer at the given byte index.

Parameters

index	The position in the Buffer to write the data.
value	The value to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.

6.165.3.38 virtual ByteArrayAdapter& decaf::internal::util::ByteArrayAdapter::putLong (int *index*, long long *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes eight bytes containing the given value, into this buffer at the given index.

The index is a relative to the size of the type to be read, in other words when accessing the element in the array index $*$ sizeof(type) if the actual start index of the type to be read.

Parameters

index	The position in the Buffer to write the data.
value	The value to write to the array.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.

6.165.3.39 virtual ByteArrayAdapter& decaf::internal::util::ByteArrayAdapter::putLongAt (int *index*, long long *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes eight bytes containing the given value, into this buffer at the given byte index.

Parameters

index	The position in the Buffer to write the data.
value	The value to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.

6.165.3.40 virtual ByteArrayAdapter& decaf::internal::util::ByteArrayAdapter::putShort (int *index*, short *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes two bytes containing the given value, into this buffer at the given index.

The index is a relative to the size of the type to be read, in other words when accessing the element in the array index $*$ sizeof(type) if the actual start index of the type to be read.

Parameters

index	The position in the Buffer to write the data.
value	The value to write to the array.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.

6.165.3.41 virtual ByteArrayAdapter& decaf::internal::util::ByteArrayAdapter::putShortAt (int *index*, short *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes two bytes containing the given value, into this buffer at the given byte index.

Parameters

index	The position in the Buffer to write the data.
value	The value to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.

6.165.3.42 virtual void decaf::internal::util::ByteArrayAdapter::read (unsigned char * *buffer*, int *size*, int *offset*, int *length*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException, decaf::nio::BufferUnderflowException) [virtual]

Reads from the Byte array starting at the specified offset and reading the specified length.

If the length is greater than the size of this underlying byte array then an BufferUnderflowException is thrown.

Parameters

buffer	The buffer to read data from this array into.
size	The size of the buffer passed.
offset	The position in this array to start reading from.
length	The amount of data to read from this array.

Exceptions

IndexOutOfBoundsException	if the offset + length exceeds the size.
NullPointerException	if buffer is null
BufferUnderflowException	if there is not enough data to read because the offset or the length is greater than the size of this array.

6.165.3.43 virtual void decaf::internal::util::ByteArrayAdapter::resize (int *size*) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::InvalidStateException) [virtual]

Resizes the underlying array to the new given size, preserving all the Data that was previously in the array, unless the resize is smaller than the current size in which case only the data that will fit into the new array is preserved.

A **ByteArrayAdapter** (p. 979) can only be resized when it owns the underlying array, if it does not then it will throw an InvalidStateException.

Parameters

size	The new size of the array.

Exceptions

IllegalArgumentException	if the size parameter is negative.
InvalidStateException	if this object does not own the buffer.

6.165.3.44 virtual void decaf::internal::util::ByteArrayAdapter::write (unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException, decaf::nio::BufferOverflowException) [virtual]

Writes from the Byte array given, starting at the specified offset and writing the specified amount of data into this objects internal array.

. If the length is greater than the size of this underlying byte array then an BufferOverflowException is thrown.

Parameters

buffer	The buffer to read data from this array into.
size	The size of the buffer passed.
offset	The position in this array to start reading from.
length	The amount of data to read from this array.

Exceptions

IndexOutOfBoundsException	if the offset + length exceeds the size.
NullPointerException	if buffer is null
BufferOverflowException	if the amount of data to be written to this array or the offset given are larger than this array's size.

The documentation for this class was generated from the following file:

- src/main/decaf/internal/util/**ByteArrayAdapter.h**

6.166 decaf::internal::nio::ByteArrayBuffer Class Reference

This class defines six categories of operations upon byte buffers:

`#include <src/main/decaf/internal/nio/ByteArrayBuffer.h>`

Inheritance diagram for decaf::internal::nio::ByteArrayBuffer:

Public Member Functions

- **ByteArrayBuffer** (int capacity, bool readOnly=false) throw (decaf::lang::exceptions::IllegalArgumentEx)

  *Creates a **ByteArrayBuffer** (p. 1004) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.*

- **ByteArrayBuffer** (unsigned char *array, int size, int offset, int length, bool readOnly=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfB)

  *Creates a **ByteArrayBuffer** (p. 1004) object that wraps the given array.*

- **ByteArrayBuffer** (const **decaf::lang::Pointer**< **ByteArrayAdapter** > &array, int offset, int length, bool readOnly=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

- **ByteArrayBuffer** (const **ByteArrayBuffer** &other)

  *Create a **ByteArrayBuffer** (p. 1004) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.*

- virtual ~**ByteArrayBuffer** ()
- virtual bool **isReadOnly** () const

  Tells whether or not this buffer is read-only.

  Returns

  true if, and only if, this buffer is read-only

- virtual unsigned char * **array** () throw (decaf::nio::ReadOnlyBufferException, decaf::lang::exceptions::UnsupportedOperationException)

Returns the byte array that backs this buffer.
Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.
Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The array that backs this buffer

Exceptions

ReadOnlyBufferException (p. 3260)	*if this buffer is backed by an array but is read-only*
UnsupportedOperationException	*if this buffer is not backed by an accessible array*

- virtual int **arrayOffset** () const throw (decaf::nio::ReadOnlyBufferException, decaf::lang::exceptions::UnsupportedOperationException)

  Returns the offset within this buffer's backing array of the first element of the buffer.
  *If this buffer is backed by an array then buffer position p corresponds to array index p + **arrayOffset()*** (p. *1057).*
  Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

  Returns

  The offset within this buffer's array of the first element of the buffer.

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this buffer is backed by an array but is read-only.*
UnsupportedOperationException	*if this buffer is not backed by an accessible array.*

- virtual bool **hasArray** () const

  Tells whether or not this buffer is backed by an accessible byte array.
  If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

  Returns

  true if, and only if, this buffer is backed by an array and is not read-only.

- virtual **decaf::nio::CharBuffer** ∗ **asCharBuffer** () const

  Creates a view of this byte buffer as a char buffer.
  The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

*the new Char **Buffer** (p. 936), which the caller then owns.*

- virtual **decaf::nio::DoubleBuffer** ∗ **asDoubleBuffer** () const

  Creates a view of this byte buffer as a double buffer.
  The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by eight, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.
  Returns

  *the new double **Buffer** (p. 936), which the caller then owns.*

- virtual **decaf::nio::FloatBuffer** ∗ **asFloatBuffer** () const

  Creates a view of this byte buffer as a float buffer.
  The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by four, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.
  Returns

  *the new float **Buffer** (p. 936), which the caller then owns.*

- virtual **decaf::nio::IntBuffer** ∗ **asIntBuffer** () const

  Creates a view of this byte buffer as a int buffer.
  The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by four, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.
  Returns

  *the new int **Buffer** (p. 936), which the caller then owns.*

- virtual **decaf::nio::LongBuffer** ∗ **asLongBuffer** () const

  Creates a view of this byte buffer as a long buffer.
  The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by eight, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.
  Returns

  *the new long **Buffer** (p. 936), which the caller then owns.*

- virtual **decaf::nio::ShortBuffer** ∗ **asShortBuffer** () const

Creates a view of this byte buffer as a short buffer.
The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by two, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

*the new short **Buffer** (p. 936), which the caller then owns.*

- virtual **ByteArrayBuffer** ∗ **asReadOnlyBuffer** () const

Creates a new, read-only byte buffer that shares this buffer's content.
The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.
If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.
The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only byte buffer which the caller then owns.

- virtual **ByteArrayBuffer** & **compact** () throw (decaf::nio::ReadOnlyBufferException)

Compacts this buffer.
*The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.*
The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

*a reference to this **ByteBuffer** (p. 1049).*

Exceptions

ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual **ByteArrayBuffer** ∗ **duplicate** ()

Creates a new byte buffer that shares this buffer's content.
The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

*a new Byte **Buffer** (p. 936) which the caller owns.*

- virtual unsigned char **get** () const throw (decaf::nio::BufferUnderflowException)

  Relative get method.
  Reads the byte at this buffer's current position, and then increments the position.

  Returns

  The byte at the buffer's current position.

  Exceptions

BufferUnderflowException (p. 967)	*if the buffer's current position is not smaller than its limit.*

- virtual unsigned char **get** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Absolute get method.
  Reads the byte at the given index.

  Parameters

index	*The index in the **Buffer** (p. 936) where the byte is to be read.*

  Returns

  the byte that is located at the given index.

  Exceptions

IndexOutOfBoundsException	*if index is not smaller than the buffer's limit, or index is negative.*

- virtual char **getChar** () throw (decaf::nio::BufferUnderflowException)

  Reads the next byte at this buffer's current position, and then increments the position by one.

  Returns

  the next char in the buffer.

  Exceptions

BufferUnderflowException (p. 967)	*if there are no more bytes remaining in this buffer, meaning we have reached the set limit.*

- virtual char **getChar** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads one byte at the given index and returns it.

  Parameters

index	*The index in the **Buffer** (p. 936) where the byte is to be read.*

Returns

the char at the given index in the buffer

Exceptions

IndexOutOfBoundsException	*if index is not smaller than the buffer's limit, or index is negative.*

- virtual double **getDouble** () throw (decaf::nio::BufferUnderflowException)

  Reads the next eight bytes at this buffer's current position, and then increments the position by that amount.

  Returns

  the next double in the buffer.

  Exceptions

BufferUnderflowException (p. 967)	*if there are no more bytes remaining in this buffer, meaning we have reached the set limit.*

- virtual double **getDouble** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads eight bytes at the given index and returns it.

  Parameters

index	*The index in the **Buffer** (p. 936) where the bytes are to be read.*

  Returns

  the double at the given index in the buffer.

  Exceptions

IndexOutOfBoundsException	*if index is not smaller than the buffer's limit, or index is negative.*

- virtual float **getFloat** () throw (decaf::nio::BufferUnderflowException)

  Reads the next four bytes at this buffer's current position, and then increments the position by that amount.

  Returns

  the next float in the buffer.

  Exceptions

BufferUnderflowException (p. 967)	*if there are no more bytes remaining in this buffer, meaning we have reached the set limit.*

- virtual float **getFloat** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads four bytes at the given index and returns it.

  Parameters

index	*The index in the **Buffer** (p. 936) where the bytes are to be read.*

Returns

the float at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	*if there are not enough bytes remaining to fill the requested Data Type, or index is negative.*

- virtual long long **getLong** () throw (decaf::nio::BufferUnderflowException)

  Reads the next eight bytes at this buffer's current position, and then increments the position by that amount.

  Returns

  the next long long in the buffer.

  Exceptions

BufferUnderflowException (p. 967)	*if there are no more bytes remaining in this buffer, meaning we have reached the set limit.*

- virtual long long **getLong** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads eight bytes at the given index and returns it.

  Parameters

index	*The index in the **Buffer** (p. 936) where the bytes are to be read.*

  Returns

  the long long at the given index in the buffer.

  Exceptions

IndexOutOfBoundsException	*if there are not enough bytes remaining to fill the requested Data Type, or index is negative.*

- virtual int **getInt** () throw (decaf::nio::BufferUnderflowException)

  Reads the next four bytes at this buffer's current position, and then increments the position by that amount.

  Returns

  the next int in the buffer.

  Exceptions

BufferUnderflowException (p. 967)	*if there are no more bytes remaining in this buffer, meaning we have reached the set limit.*

- virtual int **getInt** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads four bytes at the given index and returns it.

  Parameters

index	*The index in the **Buffer** (p. 936) where the bytes are to be read.*

Returns

the int at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	*if there are not enough bytes remaining to fill the requested Data Type, or index is negative.*

- virtual short **getShort** () throw (decaf::nio::BufferUnderflowException)

  Reads the next two bytes at this buffer's current position, and then increments the position by that amount.

  Returns

  the next short in the buffer.

  Exceptions

BufferUnderflowException (p. 967)	*if there are no more bytes remaining in this buffer, meaning we have reached the set limit.*

- virtual short **getShort** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads two bytes at the given index and returns it.

  Parameters

index	*The index in the **Buffer** (p. 936) where the bytes are to be read.*

  Returns

  the short at the given index in the buffer.

  Exceptions

IndexOutOfBoundsException	*if there are not enough bytes remaining to fill the requested Data Type, or index is negative.*

- virtual **ByteArrayBuffer** & **put** (unsigned char value) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException)

  Writes the given byte into this buffer at the current position, and then increments the position.

  Parameters

value	*- the byte value to be written.*

  Returns

  a reference to this buffer.

  Exceptions

BufferOverflowException (p. 964)	*if this buffer's current position is not smaller than its limit.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual **ByteArrayBuffer** & **put** (int index, unsigned char value) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException)

  Writes the given byte into this buffer at the given index.

  Parameters

index	*- position in the **Buffer** (p. 936) to write the data*
value	*- the byte to write.*

  Returns

  a reference to this buffer.

  Exceptions

IndexOutOfBoundsException	*if index greater than the buffer's limit minus the size of the type being written, or index is negative.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual **ByteArrayBuffer** & **putChar** (char value) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException)

  Writes one byte containing the given value, into this buffer at the current position, and then increments the position by one.

  Parameters

value	*The value to be written.*

  Returns

  a reference to this buffer.

  Exceptions

BufferOverflowException (p. 964)	*if there are fewer than bytes remaining in this buffer than the size of the data to be written*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only*

- virtual **ByteArrayBuffer** & **putChar** (int index, char value) throw (decaf::lang::exceptions::IndexOutOfB decaf::nio::ReadOnlyBufferException)

  Writes one byte containing the given value, into this buffer at the given index.

  Parameters

index	*The position in the **Buffer** (p. 936) to write the data.*
value	*The value to write.*

  Returns

  a reference to this buffer.

  Exceptions

IndexOutOfBoundsException	*if index greater than the buffer's limit minus the size of the type being written, or index is negative.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only*

- virtual **ByteArrayBuffer** & **putDouble** (double value) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException)

  Writes eight bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

  Parameters

value	*The value to be written.*

  Returns

  a reference to this buffer.

  Exceptions

BufferOverflowException (p. 964)	*if there are fewer than bytes remaining in this buffer than the size of the data to be written*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only*

- virtual **ByteArrayBuffer** & **putDouble** (int index, double value) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException)

  Writes eight bytes containing the given value, into this buffer at the given index.

  Parameters

index	*The position in the **Buffer** (p. 936) to write the data*
value	*The value to write.*

  Returns

  a reference to this buffer.

  Exceptions

IndexOutOfBoundsException	*if index greater than the buffer's limit minus the size of the type being written, or index is negative.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual **ByteArrayBuffer** & **putFloat** (float value) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException)

  Writes four bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

Parameters

value	*The value to be written.*

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. 964)	*if there are fewer than bytes remaining in this buffer than the size of the data to be written.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual **ByteArrayBuffer** & **putFloat** (int index, float value) throw (decaf::lang::exceptions::IndexOutOfB decaf::nio::ReadOnlyBufferException)

  Writes four bytes containing the given value, into this buffer at the given index.

  Parameters

index	*The position in the **Buffer** (p. 936) to write the data*
value	*The value to write.*

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	*if index greater than the buffer's limit minus the size of the type being written, or index is negative.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual **ByteArrayBuffer** & **putLong** (long long value) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException)

  Writes eight bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

  Parameters

value	*The value to be written.*

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. 964)	*if there are fewer than bytes remaining in this buffer than the size of the data to be written.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual **ByteArrayBuffer** & **putLong** (int index, long long value) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException)

  Writes eight bytes containing the given value, into this buffer at the given index.

  Parameters

index	*The position in the **Buffer** (p. 936) to write the data.*
value	*The value to write.*

  Returns

  a reference to this buffer.

  Exceptions

IndexOutOfBoundsException	*if index greater than the buffer's limit minus the size of the type being written, or index is negative.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual **ByteArrayBuffer** & **putInt** (int value) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException)

  Writes four bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

  Parameters

value	*The value to be written.*

  Returns

  a reference to this buffer.

  Exceptions

BufferOverflowException (p. 964)	*if there are fewer than bytes remaining in this buffer than the size of the data to be written*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only*

- virtual **ByteArrayBuffer** & **putInt** (int index, int value) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException)

  Writes four bytes containing the given value, into this buffer at the given index.

  Parameters

index	*The position in the **Buffer** (p. 936) to write the data.*
value	*The value to write.*

  Returns

  a reference to this buffer

  Exceptions

IndexOutOfBoundsException	*if index greater than the buffer's limit minus the size of the type being written, or index is negative.*

ReadOnlyBufferException (p. 3260)	*if this buffer is read-only*

- virtual **ByteArrayBuffer** & **putShort** (short value) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException)

  Writes two bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

  Parameters

value	*The value to be written.*

  Returns

  a reference to this buffer.

  Exceptions

BufferOverflowException (p. 964)	*if there are fewer than bytes remaining in this buffer than the size of the data to be written.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual **ByteArrayBuffer** & **putShort** (int index, short value) throw (decaf::lang::exceptions::IndexOutOf decaf::nio::ReadOnlyBufferException)

  Writes two bytes containing the given value, into this buffer at the given index.

  Parameters

index	*The position in the **Buffer** (p. 936) to write the data*
value	*The value to write.*

  Returns

  a reference to this buffer

  Exceptions

IndexOutOfBoundsException	*if index greater than the buffer's limit minus the size of the type being written, or index is negative.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual **ByteArrayBuffer** ∗ **slice** () const

  Creates a new byte buffer whose content is a shared subsequence of this buffer's content.
  The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be

read-only if, and only if, this buffer is read-only.
Returns

*the newly create **ByteBuffer** (p. 1049) which the caller owns.*

Protected Member Functions

- virtual void **setReadOnly** (bool value)

  *Sets this **ByteArrayBuffer** (p. 1004) as Read-Only or not Read-Only.*

6.166.1 Detailed Description

This class defines six categories of operations upon byte buffers: 1. Absolute and relative get and put methods that read and write single bytes; 2. Relative bulk get methods that transfer contiguous sequences of bytes from this buffer into an array; 3. Relative bulk put methods that transfer contiguous sequences of bytes from a byte array or some other byte buffer into this buffer; 4. Absolute and relative get and put methods that read and write values of other primitive types, translating them to and from sequences of bytes in a particular byte order; 5. Methods for creating view buffers, which allow a byte buffer to be viewed as a buffer containing values of some other primitive type; and 6. Methods for compacting, duplicating, and slicing a byte buffer.

Byte buffers can be created either by allocation, which allocates space for the buffer's content, or by wrapping an existing byte array into a buffer.

Access to binary data:

This class defines methods for reading and writing values of all other primitive types, except boolean. Primitive values are translated to (or from) sequences of bytes according to the buffer's current byte order.

For access to heterogeneous binary data, that is, sequences of values of different types, this class defines a family of absolute and relative get and put methods for each type. For 32-bit floating-point values, for example, this class defines:

float **getFloat()** (p. 1027) float getFloat(int index) void **putFloat(float f)** (p. 1034) void **putFloat(int index, float f)** (p. 1033)

Corresponding methods are defined for the types char, short, int, long, and double. The index parameters of the absolute get and put methods are in terms of bytes rather than of the type being read or written.

For access to homogeneous binary data, that is, sequences of values of the same type, this class defines methods that can create views of a given byte buffer. A view buffer is simply another buffer whose content is backed by the byte buffer. Changes to the byte buffer's content will be visible in the view buffer, and vice versa; the two buffers' position, limit, and mark values are independent. The asFloatBuffer method, for example, creates an instance of the FloatBuffer class that is backed by the byte buffer upon which the method is invoked. Corresponding view-creation methods are defined for the types char, short, int, long, and double.

View buffers have two important advantages over the families of type-specific get and put methods described above:

A view buffer is indexed not in terms of bytes but rather in terms of the type-specific size of its values;

A view buffer provides relative bulk get and put methods that can transfer contiguous sequences of values between a buffer and an array or some other buffer of the same type; and

Since

1.0

6.166.2 Constructor & Destructor Documentation

6.166.2.1 decaf::internal::nio::ByteArrayBuffer::ByteArrayBuffer (int *capacity,* bool *readOnly =* `false`) throw (**decaf::lang::exceptions::IllegalArgumentException**)

Creates a **ByteArrayBuffer** (p. 1004) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

capacity	The size of the array, this is the limit we read and write to.
readOnly	Should this buffer be read-only, default as false

Exceptions

IllegalArguementException	if the capacity value is negative.

6.166.2.2 decaf::internal::nio::ByteArrayBuffer::ByteArrayBuffer (unsigned char * *array,* int *size,* int *offset,* int *length,* bool *readOnly =* `false`) throw (**decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**)

Creates a **ByteArrayBuffer** (p. 1004) object that wraps the given array.

Parameters

array	The array to wrap.
size	The size of the array passed.
offset	The position that is this buffers start position.
length	The size of the sub-array, this is the limit we read and write to.
readOnly	Should this buffer be read-only, default as false.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if the preconditions of size, offset and length are violated.

6.166.2.3 decaf::internal::nio::ByteArrayBuffer::ByteArrayBuffer (const decaf::lang::Pointer< ByteArrayAdapter > & *array*, int *offset*, int *length*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

The capacity and limit of the new **ByteArrayBuffer** (p. 1004) will be that of the remaining capacity of the passed buffer.

Parameters

array	The ByteArrayAdapter to wrap
offset	The offset into array where the buffer starts
length	The length of the array we are wrapping or limit.
readOnly	Boolean indicating if this a readOnly buffer.

Exceptions

NullPointerException	if array is NULL
IndexOutOfBoundsException	if offset is greater than array capacity.

6.166.2.4 decaf::internal::nio::ByteArrayBuffer::ByteArrayBuffer (const ByteArrayBuffer & *other*)

Create a **ByteArrayBuffer** (p. 1004) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.

Parameters

other	The **ByteArrayBuffer** (p. 1004) this one is to mirror.

6.166.2.5 virtual decaf::internal::nio::ByteArrayBuffer::~ByteArrayBuffer ( ) [virtual]

6.166.3 Member Function Documentation

6.166.3.1 virtual unsigned char* decaf::internal::nio::ByteArrayBuffer::array ( ) throw (decaf::nio::ReadOnlyBufferException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Returns the byte array that backs this buffer.

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The array that backs this buffer

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is backed by an array but is read-only
UnsupportedOperationException	if this buffer is not backed by an accessible array

Implements **decaf::nio::ByteBuffer** (p. 1056).

6.166.3.2 virtual int decaf::internal::nio::ByteArrayBuffer::arrayOffset ( ) const throw (decaf::nio::ReadOnlyBufferException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Returns the offset within this buffer's backing array of the first element of the buffer.

If this buffer is backed by an array then buffer position p corresponds to array index p + **arrayOffset**() (p. 1057).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset within this buffer's array of the first element of the buffer.

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is backed by an array but is read-only.

UnsupportedOperationException	if this buffer is not backed by an accessible array.

Implements **decaf::nio::ByteBuffer** (p. 1057).

6.166.3.3 virtual decaf::nio::CharBuffer* decaf::internal::nio::ByteArrayBuffer::asCharBuffer ( ) const [inline, virtual]

Creates a view of this byte buffer as a char buffer.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the new Char **Buffer** (p. 936), which the caller then owns.

Implements **decaf::nio::ByteBuffer** (p. 1057).

6.166.3.4 virtual decaf::nio::DoubleBuffer* decaf::internal::nio::ByteArrayBuffer::asDoubleBuffer ( ) const [inline, virtual]

Creates a view of this byte buffer as a double buffer.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by eight, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the new double **Buffer** (p. 936), which the caller then owns.

Implements **decaf::nio::ByteBuffer** (p. 1058).

6.166.3.5 virtual decaf::nio::FloatBuffer* decaf::internal::nio::ByteArrayBuffer::asFloatBuffer ( ) const [inline, virtual]

Creates a view of this byte buffer as a float buffer.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by four, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the new float **Buffer** (p. 936), which the caller then owns.

Implements **decaf::nio::ByteBuffer** (p. 1058).

6.166.3.6 virtual decaf::nio::IntBuffer* decaf::internal::nio::ByteArrayBuffer::asIntBuffer ( ) const [inline, virtual]

Creates a view of this byte buffer as a int buffer.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by four, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the new int **Buffer** (p. 936), which the caller then owns.

Implements **decaf::nio::ByteBuffer** (p. 1058).

6.166.3.7 virtual decaf::nio::LongBuffer* decaf::internal::nio::ByteArrayBuffer::asLongBuffer ( ) const [inline, virtual]

Creates a view of this byte buffer as a long buffer.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by eight, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the new long **Buffer** (p. 936), which the caller then owns.

Implements **decaf::nio::ByteBuffer** (p. 1059).

6.166.3.8 virtual ByteArrayBuffer* decaf::internal::nio::ByteArrayBuffer::asReadOnlyBuffer ( ) const [virtual]

Creates a new, read-only byte buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only byte buffer which the caller then owns.

Implements **decaf::nio::ByteBuffer** (p. 1059).

6.166.3.9 virtual decaf::nio::ShortBuffer* decaf::internal::nio::ByteArrayBuffer::asShortBuffer ( ) const [inline, virtual]

Creates a view of this byte buffer as a short buffer.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by two, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the new short **Buffer** (p. 936), which the caller then owns.

Implements **decaf::nio::ByteBuffer** (p. 1059).

6.166.3.10 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::compact ( ) throw (decaf::nio::ReadOnlyBufferException) [virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's

position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **ByteBuffer** (p. 1049).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implements **decaf::nio::ByteBuffer** (p. 1060).

6.166.3.11 virtual ByteArrayBuffer* decaf::internal::nio::ByteArrayBuffer::duplicate ( ) [virtual]

Creates a new byte buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new Byte **Buffer** (p. 936) which the caller owns.

Implements **decaf::nio::ByteBuffer** (p. 1060).

6.166.3.12 virtual unsigned char decaf::internal::nio::ByteArrayBuffer::get ( ) const throw (decaf::nio::BufferUnderflowException) [virtual]

Relative get method.

Reads the byte at this buffer's current position, and then increments the position.

Returns

The byte at the buffer's current position.

Exceptions

BufferUnderflowException *(p. 967)*	if the buffer's current position is not smaller than its limit.

Implements **decaf::nio::ByteBuffer** (p. 1061).

6.166.3.13 virtual unsigned char decaf::internal::nio::ByteArrayBuffer::get (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Absolute get method.

Reads the byte at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the byte is to be read.

Returns

the byte that is located at the given index.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit, or index is negative.

Implements **decaf::nio::ByteBuffer** (p. 1062).

6.166.3.14 virtual char decaf::internal::nio::ByteArrayBuffer::getChar ( ) throw (decaf::nio::BufferUnderflowException) [inline, virtual]

Reads the next byte at this buffer's current position, and then increments the position by one.

Returns

the next char in the buffer.

Exceptions

BufferUnderflowException *(p. 967)*	if there are no more bytes remaining in this buffer, meaning we have reached the set limit.

Implements **decaf::nio::ByteBuffer** (p. 1063).

6.166.3.15 virtual char decaf::internal::nio::ByteArrayBuffer::getChar (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [inline, virtual]

Reads one byte at the given index and returns it.

Parameters

index	The index in the **Buffer** (p. 936) where the byte is to be read.

Returns

the char at the given index in the buffer

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit, or index is negative.

Implements **decaf::nio::ByteBuffer** (p. 1063).

6.166.3.16 virtual double decaf::internal::nio::ByteArrayBuffer::getDouble ( ) throw (decaf::nio::BufferUnderflowException) [virtual]

Reads the next eight bytes at this buffer's current position, and then increments the position by that amount.

Returns

the next double in the buffer.

Exceptions

BufferUnderflowException *(p. 967)*	if there are no more bytes remaining in this buffer, meaning we have reached the set limit.

Implements **decaf::nio::ByteBuffer** (p. 1064).

6.166.3.17 virtual double decaf::internal::nio::ByteArrayBuffer::getDouble (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads eight bytes at the given index and returns it.

Parameters

index	The index in the **Buffer** (p. 936) where the bytes are to be read.

Returns

the double at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit, or index is negative.

Implements **decaf::nio::ByteBuffer** (p. 1064).

6.166.3.18 virtual float decaf::internal::nio::ByteArrayBuffer::getFloat ( ) throw (decaf::nio::BufferUnderflowException) [virtual]

Reads the next four bytes at this buffer's current position, and then increments the position by that amount.

Returns

the next float in the buffer.

Exceptions

BufferUnderflowException *(p. 967)*	if there are no more bytes remaining in this buffer, meaning we have reached the set limit.

Implements **decaf::nio::ByteBuffer** (p. 1064).

6.166.3.19 virtual float decaf::internal::nio::ByteArrayBuffer::getFloat (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads four bytes at the given index and returns it.

Parameters

index	The index in the **Buffer** (p. 936) where the bytes are to be read.

Returns

the float at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

Implements **decaf::nio::ByteBuffer** (p. 1065).

6.166.3.20 virtual int decaf::internal::nio::ByteArrayBuffer::getInt ( ) throw (decaf::nio::BufferUnderflowException) [virtual]

Reads the next four bytes at this buffer's current position, and then increments the position by that amount.

Returns

the next int in the buffer.

Exceptions

BufferUnderflowException *(p. 967)*	if there are no more bytes remaining in this buffer, meaning we have reached the set limit.

Implements **decaf::nio::ByteBuffer** (p. 1065).

6.166.3.21 virtual int decaf::internal::nio::ByteArrayBuffer::getInt (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads four bytes at the given index and returns it.

Parameters

index	The index in the **Buffer** (p. 936) where the bytes are to be read.

Returns

the int at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

Implements **decaf::nio::ByteBuffer** (p. 1066).

6.166.3.22 virtual long long decaf::internal::nio::ByteArrayBuffer::getLong ( ) throw (decaf::nio::BufferUnderflowException) [virtual]

Reads the next eight bytes at this buffer's current position, and then increments the position by that amount.

Returns

the next long long in the buffer.

Exceptions

BufferUnderflowException *(p. 967)*	if there are no more bytes remaining in this buffer, meaning we have reached the set limit.

Implements **decaf::nio::ByteBuffer** (p. 1066).

6.166.3.23 virtual long long decaf::internal::nio::ByteArrayBuffer::getLong (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads eight bytes at the given index and returns it.

Parameters

index	The index in the **Buffer** (p. 936) where the bytes are to be read.

Returns

the long long at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

Implements **decaf::nio::ByteBuffer** (p. 1066).

6.166.3.24 virtual short decaf::internal::nio::ByteArrayBuffer::getShort (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads two bytes at the given index and returns it.

Parameters

index	The index in the **Buffer** (p. 936) where the bytes are to be read.

Returns

the short at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

Implements **decaf::nio::ByteBuffer** (p. 1067).

6.166.3.25 virtual short decaf::internal::nio::ByteArrayBuffer::getShort ( ) throw (decaf::nio::BufferUnderflowException) [virtual]

Reads the next two bytes at this buffer's current position, and then increments the position by that amount.

Returns

the next short in the buffer.

Exceptions

BufferUnderflowException *(p. 967)*	if there are no more bytes remaining in this buffer, meaning we have reached the set limit.

Implements **decaf::nio::ByteBuffer** (p. 1067).

6.166.3.26 virtual bool decaf::internal::nio::ByteArrayBuffer::hasArray ( ) const [inline, virtual]

Tells whether or not this buffer is backed by an accessible byte array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only.

Implements **decaf::nio::ByteBuffer** (p. 1068).

6.166.3.27 virtual bool decaf::internal::nio::ByteArrayBuffer::isReadOnly ( ) const [inline, virtual]

Tells whether or not this buffer is read-only.

Returns

true if, and only if, this buffer is read-only

Implements **decaf::nio::ByteBuffer** (p. 1068).

6.166.3.28 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::put (unsigned char *value*) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes the given byte into this buffer at the current position, and then increments the position.

Parameters

value	- the byte value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if this buffer's current position is not smaller than its limit.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::ByteBuffer** (p. 1068).

6.166.3.29 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::put (int *index*, unsigned char *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes the given byte into this buffer at the given index.

Parameters

index	- position in the **Buffer** (p. 936) to write the data
value	- the byte to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::ByteBuffer** (p. 1069).

6.166.3.30 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::putChar (int *index*, char *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes one byte containing the given value, into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The value to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implements **decaf::nio::ByteBuffer** (p. 1072).

6.166.3.31 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::putChar (char *value*) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes one byte containing the given value, into this buffer at the current position, and then increments the position by one.

Parameters

value	The value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there are fewer than bytes remaining in this buffer than the size of the data to be written
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implements **decaf::nio::ByteBuffer** (p. 1071).

6.166.3.32 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::putDouble (int *index*, double *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes eight bytes containing the given value, into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data
value	The value to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::ByteBuffer** (p. 1073).

6.166.3.33 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::putDouble (double *value*) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes eight bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

Parameters

value	The value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there are fewer than bytes remaining in this buffer than the size of the data to be written
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implements **decaf::nio::ByteBuffer** (p. 1072).

6.166.3.34 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::putFloat (int *index*, float *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes four bytes containing the given value, into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data
value	The value to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::ByteBuffer** (p. 1074).

6.166.3.35 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::putFloat (float *value*) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes four bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

Parameters

value	The value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there are fewer than bytes remaining in this buffer than the size of the data to be written.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::ByteBuffer** (p. 1073).

6.166.3.36 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::putInt (int *index*, int *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes four bytes containing the given value, into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The value to write.

Returns

a reference to this buffer

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implements **decaf::nio::ByteBuffer** (p. 1074).

6.166.3.37 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::putInt (int *value*) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes four bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

Parameters

value	The value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there are fewer than bytes remaining in this buffer than the size of the data to be written
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implements **decaf::nio::ByteBuffer** (p. 1075).

6.166.3.38 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::putLong (long long *value*) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes eight bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

Parameters

value	The value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there are fewer than bytes remaining in this buffer than the size of the data to be written.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::ByteBuffer** (p. 1075).

6.166.3.39 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::putLong (int *index*, long long *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes eight bytes containing the given value, into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The value to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::ByteBuffer** (p. 1076).

6.166.3.40 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::putShort (short *value*) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes two bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

Parameters

value	The value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there are fewer than bytes remaining in this buffer than the size of the data to be written.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::ByteBuffer** (p. 1077).

6.166.3.41 virtual ByteArrayBuffer& decaf::internal::nio::ByteArrayBuffer::putShort (int *index*, short *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes two bytes containing the given value, into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data
value	The value to write.

Returns

a reference to this buffer

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::ByteBuffer** (p. 1076).

6.166.3.42 virtual void decaf::internal::nio::ByteArrayBuffer::setReadOnly (bool *value*) [inline, protected, virtual]

Sets this **ByteArrayBuffer** (p. 1004) as Read-Only or not Read-Only.

Parameters

value	Boolean value, true if this buffer is to be read-only, false otherwise.

6.166.3.43 virtual ByteArrayBuffer* decaf::internal::nio::ByteArrayBuffer::slice ( ) const [virtual]

Creates a new byte buffer whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **ByteBuffer** (p. 1049) which the caller owns.

Implements **decaf::nio::ByteBuffer** (p. 1077).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/nio/**ByteArrayBuffer.h**

6.167 decaf::io::ByteArrayInputStream Class Reference

A **ByteArrayInputStream** (p. 1038) contains an internal buffer that contains bytes that may be read from the stream.

`#include <src/main/decaf/io/ByteArrayInputStream.h>`

Inheritance diagram for decaf::io::ByteArrayInputStream:

Public Member Functions

- **ByteArrayInputStream** ()

  *Creates an **ByteArrayInputStream** (p. 1038) with an empty input buffer, the buffer can be initialized with a call to setByteArray.*

- **ByteArrayInputStream** (const std::vector< unsigned char > &buffer)

  Creates the input stream and calls setBuffer with the specified buffer object.

- **ByteArrayInputStream** (const unsigned char *buffer, int bufferSize, bool own=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentExceptio)

  *Create an instance of the **ByteArrayInputStream** (p. 1038) with the given buffer as the source of input for all read operations.*

- **ByteArrayInputStream** (const unsigned char ∗buffer, int bufferSize, int offset, int length, bool own=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

  *Create an instance of the **ByteArrayInputStream** (p. 1038) with the given buffer as the source of input for all read operations.*

- virtual ∼**ByteArrayInputStream** ()
- virtual void **setByteArray** (const std::vector< unsigned char > &buffer)

  Sets the internal buffer.

- virtual void **setByteArray** (const unsigned char ∗buffer, int bufferSize) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

  Sets the data that this reader uses, replaces any existing data and resets to beginning of the buffer.

- virtual void **setByteArray** (const unsigned char ∗buffer, int bufferSize, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

  Sets the data that this reader uses, replaces any existing data and resets to beginning of the buffer.

- virtual int **available** () const throw (IOException)

  Indicates the number of bytes available.
  The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.
  The default implementation of this method returns zero.

  Returns

  the number of bytes available on this input stream.

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

- virtual long long **skip** (long long num) throw (io::IOException, lang::exceptions::UnsupportedOperationException)

  Skips over and discards n bytes of data from this input stream.
  The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.
  *The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached. Subclasses are encouraged to provide a more efficient implementation of this method.*

  Parameters

num	*The number of bytes to skip.*

Returns

total bytes skipped

Exceptions

IOException (p. 2210)	*if an I/O error occurs.*
UnsupportedOperationException	*if the concrete stream class does not support skipping bytes.*

- virtual void **mark** (int readLimit)

  Marks the current position in the stream A subsequent call to the reset method repositions this stream at the last marked position so that subsequent reads re-read the same bytes.
  If a stream instance reports that marks are supported then the stream will ensure that the same bytes can be read again after the reset method is called so long the readLimit is not reached.
  Calling mark on a closed stream instance should have no effect.
  The default implementation of this method does nothing.

  Parameters

readLimit	*The max bytes read before marked position is invalid.*

- virtual void **reset** () throw (IOException)

  Repositions this stream to the position at the time the mark method was last called on this input stream.
  *If the method markSupported returns true, then: ∗ If the method mark has not been called since the stream was created, or the number of bytes read from the stream since mark was last called is larger than the argument to mark at that last call, then an **IOException** (p. 2210) might be thrown. ∗ If such an **IOException** (p. 2210) is not thrown, then the stream is reset to a state such that all the bytes read since the most recent call to mark (or since the start of the file, if mark has not been called) will be resupplied to subsequent callers of the read method, followed by any bytes that otherwise would have been the next input data as of the time of the call to reset.*
  *If the method markSupported returns false, then: ∗ The call to reset may throw an **IOException** (p. 2210). ∗ If an **IOException** (p. 2210) is not thrown, then the stream is reset to a fixed state that depends on the particular type of the input stream and how it was created. The bytes that will be supplied to subsequent callers of the read method depend on the particular type of the input stream.*
  *The default implementation of this method throws an **IOException** (p. 2210).*

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

- virtual bool **markSupported** () const

  Determines if this input stream supports the mark and reset methods.
  Whether or not mark and reset are supported is an invariant property of a particular input stream instance.
  The default implementation of this method returns false.

  Returns

  true if this stream instance supports marks

Protected Member Functions

- virtual int **doReadByte** () throw (IOException)
- virtual int **doReadArrayBounded** (unsigned char *buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

6.167.1 Detailed Description

A **ByteArrayInputStream** (p. 1038) contains an internal buffer that contains bytes that may be read from the stream. An internal counter keeps track of the next byte to be supplied by the read method. The **ByteArrayInputStream** (p. 1038) never copies the supplied buffers, only points to them, therefore the caller must ensure that the supplied buffer remain in scope, or is not deleted before this **ByteArrayInputStream** (p. 1038) is freed. If the own argument of one of the constructors that accepts an array pointer is set to true than the **ByteArrayInputStream** (p. 1038) instance will take ownership of the supplied pointer and delete it when that instance is destroyed.

Closing a **ByteArrayInputStream** (p. 1038) has no effect. The methods in this class can be called after the stream has been closed without generating an **IOException** (p. 2210).

Since

1.0

6.167.2 Constructor & Destructor Documentation

6.167.2.1 decaf::io::ByteArrayInputStream::ByteArrayInputStream ( )

Creates an **ByteArrayInputStream** (p. 1038) with an empty input buffer, the buffer can be initialized with a call to setByteArray.

6.167.2.2 decaf::io::ByteArrayInputStream::ByteArrayInputStream (const std::vector< unsigned char > & *buffer*)

Creates the input stream and calls setBuffer with the specified buffer object.

Parameters

buffer	The buffer to be used.

6.167.2.3 decaf::io::ByteArrayInputStream::ByteArrayInputStream (const unsigned char * *buffer,* int *bufferSize,* bool *own* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

Create an instance of the **ByteArrayInputStream** (p. 1038) with the given buffer as the source of input for all read operations.

Parameters

buffer	The initial byte array to use to read from.
bufferSize	The size of the buffer.
own	Indicates if this object should take ownership of the array, default is false.

Exceptions

NullPointerException	if the buffer is Null.
IllegalArguementException	if the bufferSize is negative.

6.167.2.4 decaf::io::ByteArrayInputStream::ByteArrayInputStream (const unsigned char * *buffer,* int *bufferSize,* int *offset,* int *length,* bool *own* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

Create an instance of the **ByteArrayInputStream** (p. 1038) with the given buffer as the source of input for all read operations.

Parameters

buffer	The initial byte array to use to read from.
bufferSize	The size of the buffer.
offset	The offset into the buffer to begin reading from.
length	The number of bytes to read past the offset.
own	Indicates if this object should take ownership of the array, default is false.

Exceptions

NullPointerException	if the buffer is Null.
IllegalArguementException	if the bufferSize is negative.

6.167.2.5 virtual decaf::io::ByteArrayInputStream::~ByteArrayInputStream ( ) [virtual]

6.167.3 Member Function Documentation

6.167.3.1 virtual int decaf::io::ByteArrayInputStream::available ( ) const throw (IOException) [virtual]

Indicates the number of bytes available.

The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.

The default implementation of this method returns zero.

Returns

the number of bytes available on this input stream.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Reimplemented from **decaf::io::InputStream** (p. 2107).

6.167.3.2 virtual int decaf::io::ByteArrayInputStream::doReadArrayBounded (unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException) [protected, virtual]

Reimplemented from **decaf::io::InputStream** (p. 2108).

6.167.3.3 virtual int decaf::io::ByteArrayInputStream::doReadByte ( ) throw (IOException) [protected, virtual]

Implements **decaf::io::InputStream** (p. 2109).

6.167.3.4 virtual void decaf::io::ByteArrayInputStream::mark (int *readLimit*) [virtual]

Marks the current position in the stream A subsequent call to the reset method repositions this stream at the last marked position so that subsequent reads re-read the same bytes.

If a stream instance reports that marks are supported then the stream will ensure that the same bytes can be read again after the reset method is called so long the readLimit

is not reached.

Calling mark on a closed stream instance should have no effect.

The default implementation of this method does nothing.

Parameters

readLimit	The max bytes read before marked position is invalid.

Reimplemented from **decaf::io::InputStream** (p. 2109).

6.167.3.5 virtual bool decaf::io::ByteArrayInputStream::markSupported ( ) const [inline, virtual]

Determines if this input stream supports the mark and reset methods.

Whether or not mark and reset are supported is an invariant property of a particular input stream instance.

The default implementation of this method returns false.

Returns

true if this stream instance supports marks

Reimplemented from **decaf::io::InputStream** (p. 2109).

6.167.3.6 virtual void decaf::io::ByteArrayInputStream::reset ( ) throw (IOException) [virtual]

Repositions this stream to the position at the time the mark method was last called on this input stream.

If the method markSupported returns true, then: ∗ If the method mark has not been called since the stream was created, or the number of bytes read from the stream since mark was last called is larger than the argument to mark at that last call, then an **IOException** (p. 2210) might be thrown. ∗ If such an **IOException** (p. 2210) is not thrown, then the stream is reset to a state such that all the bytes read since the most recent call to mark (or since the start of the file, if mark has not been called) will be resupplied to subsequent callers of the read method, followed by any bytes that otherwise would have been the next input data as of the time of the call to reset.

If the method markSupported returns false, then: ∗ The call to reset may throw an **IOException** (p. 2210). ∗ If an **IOException** (p. 2210) is not thrown, then the stream is reset to a fixed state that depends on the particular type of the input stream and how it was created. The bytes that will be supplied to subsequent callers of the read method depend on the particular type of the input stream.

The default implementation of this method throws an **IOException** (p. 2210).

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Reimplemented from **decaf::io::InputStream** (p. 2113).

6.167.3.7 virtual void decaf::io::ByteArrayInputStream::setByteArray (const unsigned char * *buffer,* int *bufferSize*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException) [virtual]

Sets the data that this reader uses, replaces any existing data and resets to beginning of the buffer.

Parameters

buffer	The initial byte array to use to read from.
bufferSize	The size of the buffer.

Exceptions

NullPointerException	if the buffer is Null.
IllegalArguementException	if the bufferSize is negative.

6.167.3.8 virtual void decaf::io::ByteArrayInputStream::setByteArray (const std::vector< unsigned char > & *buffer*) [virtual]

Sets the internal buffer.

The input stream will wrap around this buffer and will perform all read operations on it. The position will be reinitialized to the beginning of the specified buffer. This class will not own the given buffer - it is the caller's responsibility to free the memory of the given buffer as appropriate.

Parameters

buffer	The buffer to be used.

6.167.3.9 virtual void decaf::io::ByteArrayInputStream::setByteArray (const unsigned char * *buffer,* int *bufferSize,* int *offset,* int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException) [virtual]

Sets the data that this reader uses, replaces any existing data and resets to beginning of the buffer.

Parameters

buffer	The initial byte array to use to read from.
bufferSize	The size of the buffer.
offset	The offset into the buffer to begin reading from.
length	The number of bytes to read past the offset.

Exceptions

NullPointerException	if the buffer is Null.
IllegalArguementException	if the bufferSize is negative.

6.167.3.10 virtual long long decaf::io::ByteArrayInputStream::skip (long long *num*) throw (io::IOException, lang::exceptions::UnsupportedOperationException) [virtual]

Skips over and discards n bytes of data from this input stream.

The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.

The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached. Subclasses are encouraged to provide a more efficient implementation of this method.

Parameters

num	The number of bytes to skip.

Returns

total bytes skipped

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.
UnsupportedOperationException	if the concrete stream class does not support skipping bytes.

Reimplemented from **decaf::io::InputStream** (p. 2113).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**ByteArrayInputStream.h**

6.168 decaf::io::ByteArrayOutputStream Class Reference

`#include <src/main/decaf/io/ByteArrayOutputStream.h>`

Inheritance diagram for decaf::io::ByteArrayOutputStream:

Public Member Functions

- **ByteArrayOutputStream** ()

  Default Constructor - uses a default internal buffer of 32 bytes, the size increases as the need for more room arises.

- **ByteArrayOutputStream** (int bufferSize) throw (decaf::lang::exceptions::IllegalArgumentException)

  *Creates a **ByteArrayOutputStream** (p. 1046) with an internal buffer allocated with the given size.*

- virtual ~**ByteArrayOutputStream** ()
- std::pair< unsigned char *, int > **toByteArray** () const

  Creates a newly allocated byte array.

- long long **size** () const

  *Gets the current count of bytes written into this **ByteArrayOutputStream** (p. 1046).*

- virtual void **reset** () throw (IOException)

  Clear current Stream contents.

- virtual std::string **toString** () const

  Converts the bytes in the buffer into a standard C++ string.

- void **writeTo** (**OutputStream** *out) const throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException)

  Writes the complete contents of this byte array output stream to the specified output stream argument, as if by calling the output stream's write method using out.write(buf, 0, count).

Protected Member Functions

- virtual void **doWriteByte** (unsigned char value) throw (decaf::io::IOException)
- virtual void **doWriteArrayBounded** (const unsigned char *buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

6.168.1 Constructor & Destructor Documentation

6.168.1.1 decaf::io::ByteArrayOutputStream::ByteArrayOutputStream ( )

Default Constructor - uses a default internal buffer of 32 bytes, the size increases as the need for more room arises.

6.168.1.2 decaf::io::ByteArrayOutputStream::ByteArrayOutputStream (int *bufferSize*) throw (**decaf::lang::exceptions::IllegalArgumentException**)

Creates a **ByteArrayOutputStream** (p. 1046) with an internal buffer allocated with the given size.

Parameters

bufferSize	The size to use for the internal buffer.

Exceptions

IllegalArgumentException	if the size is less than or equal to zero.

6.168.1.3 virtual decaf::io::ByteArrayOutputStream::~ByteArrayOutputStream ( ) [virtual]

6.168.2 Member Function Documentation

6.168.2.1 virtual void decaf::io::ByteArrayOutputStream::doWriteArrayBounded (const unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) [protected, virtual]

Reimplemented from **decaf::io::OutputStream** (p. 2994).

6.168.2.2 virtual void decaf::io::ByteArrayOutputStream::doWriteByte (unsigned char *value*) throw (**decaf::io::IOException**) [protected, virtual]

Implements **decaf::io::OutputStream** (p. 2994).

6.168.2.3 virtual void decaf::io::ByteArrayOutputStream::reset ( ) throw (**IOException**) [virtual]

Clear current Stream contents.

Exceptions

IOException *(p. 2210)*	

6.168.2.4 long long decaf::io::ByteArrayOutputStream::size ( ) const

Gets the current count of bytes written into this **ByteArrayOutputStream** (p. 1046).

Returns

the number of valid bytes contained in the **ByteArrayOutputStream** (p. 1046).

6.168.2.5 std::pair<unsigned char*, int> decaf::io::ByteArrayOutputStream::toByteArray ( ) const

Creates a newly allocated byte array.

Its size is the current size of this output stream and the valid contents of the buffer have been copied into it. The newly allocated array and its size are returned inside an STL pair structure, the caller is responsible for freeing the returned array.

Returns

an STL pair containing the copied array and its size.

6.168.2.6 virtual std::string decaf::io::ByteArrayOutputStream::toString ( ) const [virtual]

Converts the bytes in the buffer into a standard C++ string.

Returns

a string containing the bytes in the buffer

Reimplemented from **decaf::io::OutputStream** (p. 2995).

6.168.2.7 void decaf::io::ByteArrayOutputStream::writeTo (OutputStream * *out*) const throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException)

Writes the complete contents of this byte array output stream to the specified output stream argument, as if by calling the output stream's write method using out.write(buf, 0, count).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**ByteArrayOutputStream.h**

6.169 decaf::nio::ByteBuffer Class Reference

This class defines six categories of operations upon byte buffers:

`#include <src/main/decaf/nio/ByteBuffer.h>`

Inheritance diagram for decaf::nio::ByteBuffer:

Public Member Functions

- virtual ~**ByteBuffer** ()
- virtual std::string **toString** () const
- **ByteBuffer** & **get** (std::vector< unsigned char > buffer) throw (BufferUnderflowException)

  Relative bulk get method.

- **ByteBuffer** & **get** (unsigned char *buffer, int size, int offset, int length) throw (BufferUnderflowException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  Relative bulk get method.

- **ByteBuffer** & **put** (**ByteBuffer** &src) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IllegalArgumentException)

  This method transfers the bytes remaining in the given source buffer into this buffer.

- **ByteBuffer** & **put** (const unsigned char *buffer, int size, int offset, int length) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBound decaf::lang::exceptions::NullPointerException)

  This method transfers bytes into this buffer from the given source array.

- **ByteBuffer** & **put** (std::vector< unsigned char > &buffer) throw (BufferOverflowException, ReadOnlyBufferException)

  This method transfers the entire content of the given source byte array into this buffer.

- virtual bool **isReadOnly** () const =0

  Tells whether or not this buffer is read-only.

- virtual unsigned char * **array** ()=0 throw (ReadOnlyBufferException, decaf::lang::exceptions::Unsupporte)

  Returns the byte array that backs this buffer.

- virtual int **arrayOffset** () const =0 throw (ReadOnlyBufferException, decaf::lang::exceptions::Unsupporte)

  Returns the offset within this buffer's backing array of the first element of the buffer.

- virtual bool **hasArray** () const =0

Tells whether or not this buffer is backed by an accessible byte array.

- virtual **CharBuffer** ∗ **asCharBuffer** () const =0

  Creates a view of this byte buffer as a char buffer.

- virtual **DoubleBuffer** ∗ **asDoubleBuffer** () const =0

  Creates a view of this byte buffer as a double buffer.

- virtual **FloatBuffer** ∗ **asFloatBuffer** () const =0

  Creates a view of this byte buffer as a float buffer.

- virtual **IntBuffer** ∗ **asIntBuffer** () const =0

  Creates a view of this byte buffer as a int buffer.

- virtual **LongBuffer** ∗ **asLongBuffer** () const =0

  Creates a view of this byte buffer as a long buffer.

- virtual **ShortBuffer** ∗ **asShortBuffer** () const =0

  Creates a view of this byte buffer as a short buffer.

- virtual **ByteBuffer** ∗ **asReadOnlyBuffer** () const =0

  Creates a new, read-only byte buffer that shares this buffer's content.

- virtual **ByteBuffer** & **compact** ()=0 throw (ReadOnlyBufferException)

  Compacts this buffer.

- virtual **ByteBuffer** ∗ **duplicate** ()=0

  Creates a new byte buffer that shares this buffer's content.

- virtual unsigned char **get** () const =0 throw (BufferUnderflowException)

  Relative get method.

- virtual unsigned char **get** (int index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Absolute get method.

- virtual char **getChar** ()=0 throw (BufferUnderflowException)

  Reads the next byte at this buffer's current position, and then increments the position by one.

- virtual char **getChar** (int index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads one byte at the given index and returns it.

- virtual double **getDouble** ()=0 throw (BufferUnderflowException)

  Reads the next eight bytes at this buffer's current position, and then increments the position by that amount.

- virtual double **getDouble** (int index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsExceptio)

  Reads eight bytes at the given index and returns it.

- virtual float **getFloat** ()=0 throw (BufferUnderflowException)

  Reads the next four bytes at this buffer's current position, and then increments the position by that amount.

- virtual float **getFloat** (int index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads four bytes at the given index and returns it.

- virtual long long **getLong** ()=0 throw (BufferUnderflowException)

  Reads the next eight bytes at this buffer's current position, and then increments the position by that amount.

- virtual long long **getLong** (int index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsExceptio)

  Reads eight bytes at the given index and returns it.

- virtual int **getInt** ()=0 throw (BufferUnderflowException)

  Reads the next four bytes at this buffer's current position, and then increments the position by that amount.

- virtual int **getInt** (int index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads four bytes at the given index and returns it.

- virtual short **getShort** ()=0 throw (BufferUnderflowException)

  Reads the next two bytes at this buffer's current position, and then increments the position by that amount.

- virtual short **getShort** (int index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads two bytes at the given index and returns it.

- virtual **ByteBuffer** & **put** (unsigned char value)=0 throw (BufferOverflowException, ReadOnlyBufferException)

  Writes the given byte into this buffer at the current position, and then increments the position.

- virtual **ByteBuffer** & **put** (int index, unsigned char value)=0 throw (decaf::lang::exceptions::IndexOutOfB ReadOnlyBufferException)

  Writes the given byte into this buffer at the given index.

- virtual **ByteBuffer** & **putChar** (char value)=0 throw (BufferOverflowException, ReadOnlyBufferException)

Writes one byte containing the given value, into this buffer at the current position, and then increments the position by one.

- virtual **ByteBuffer** & **putChar** (int index, char value)=0 throw (decaf::lang::exceptions::IndexOutOfBoundsException ReadOnlyBufferException)

  Writes one byte containing the given value, into this buffer at the given index.

- virtual **ByteBuffer** & **putDouble** (double value)=0 throw (BufferOverflowException, ReadOnlyBufferException)

  Writes eight bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

- virtual **ByteBuffer** & **putDouble** (int index, double value)=0 throw (decaf::lang::exceptions::IndexOutOfBoundsExcep ReadOnlyBufferException)

  Writes eight bytes containing the given value, into this buffer at the given index.

- virtual **ByteBuffer** & **putFloat** (float value)=0 throw (BufferOverflowException, ReadOnlyBufferException)

  Writes four bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

- virtual **ByteBuffer** & **putFloat** (int index, float value)=0 throw (decaf::lang::exceptions::IndexOutOfBoundsException ReadOnlyBufferException)

  Writes four bytes containing the given value, into this buffer at the given index.

- virtual **ByteBuffer** & **putLong** (long long value)=0 throw (BufferOverflowException, ReadOnlyBufferException)

  Writes eight bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

- virtual **ByteBuffer** & **putLong** (int index, long long value)=0 throw (decaf::lang::exceptions::IndexOutOfBoundsExce ReadOnlyBufferException)

  Writes eight bytes containing the given value, into this buffer at the given index.

- virtual **ByteBuffer** & **putInt** (int value)=0 throw (BufferOverflowException, ReadOnlyBufferException)

  Writes four bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

- virtual **ByteBuffer** & **putInt** (int index, int value)=0 throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException)

  Writes four bytes containing the given value, into this buffer at the given index.

- virtual **ByteBuffer** & **putShort** (short value)=0 throw (BufferOverflowException, ReadOnlyBufferException)

  Writes two bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

- virtual **ByteBuffer** & **putShort** (int index, short value)=0 throw (decaf::lang::exceptions::IndexOutOfBou ReadOnlyBufferException)

  Writes two bytes containing the given value, into this buffer at the given index.

- virtual **ByteBuffer** ∗ **slice** () const =0

  Creates a new byte buffer whose content is a shared subsequence of this buffer's content.

- virtual int **compareTo** (const **ByteBuffer** &value) const

- virtual bool **equals** (const **ByteBuffer** &value) const

- virtual bool **operator==** (const **ByteBuffer** &value) const

- virtual bool **operator**< (const **ByteBuffer** &value) const

Static Public Member Functions

- static **ByteBuffer** ∗ **allocate** (int capacity) throw (decaf::lang::exceptions::IllegalArgumentException)

  Allocates a new byte buffer whose position will be zero its limit will be its capacity and its mark is not set.

- static **ByteBuffer** ∗ **wrap** (unsigned char ∗array, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsExcep)

  *Wraps the passed buffer with a new **ByteBuffer** (p. 1049).*

- static **ByteBuffer** ∗ **wrap** (std::vector< unsigned char > &buffer)

  *Wraps the passed STL Byte Vector in a **ByteBuffer** (p. 1049).*

Protected Member Functions

- **ByteBuffer** (int capacity) throw (decaf::lang::exceptions::IllegalArgumentException)

  *Creates a **ByteBuffer** (p. 1049) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.*

6.169.1 Detailed Description

This class defines six categories of operations upon byte buffers: 1. Absolute and relative get and put methods that read and write single bytes; 2. Relative bulk get methods that transfer contiguous sequences of bytes from this buffer into an array; 3. Relative bulk put methods that transfer contiguous sequences of bytes from a byte array or some other byte buffer into this buffer; 4. Absolute and relative get and put methods that read and write values of other primitive types, translating them to and from sequences of bytes in a particular byte order; 5. Methods for creating view buffers, which allow a byte buffer to be viewed as a buffer containing values of some other primitive type; and 6. Methods for compacting, duplicating, and slicing a byte buffer.

Byte buffers can be created either by allocation, which allocates space for the buffer's content, or by wrapping an existing byte array into a buffer.

Access to binary data:

This class defines methods for reading and writing values of all other primitive types, except boolean. Primitive values are translated to (or from) sequences of bytes according to the buffer's current byte order.

For access to heterogeneous binary data, that is, sequences of values of different types, this class defines a family of absolute and relative get and put methods for each type. For 32-bit floating-point values, for example, this class defines:

float **getFloat()** (p. 1064) float getFloat(int index) void **putFloat(float f)** (p. 1073) void **putFloat(int index, float f)** (p. 1074)

Corresponding methods are defined for the types char, short, int, long, and double. The index parameters of the absolute get and put methods are in terms of bytes rather than of the type being read or written.

For access to homogeneous binary data, that is, sequences of values of the same type, this class defines methods that can create views of a given byte buffer. A view buffer is simply another buffer whose content is backed by the byte buffer. Changes to the byte buffer's content will be visible in the view buffer, and vice versa; the two buffers' position, limit, and mark values are independent. The asFloatBuffer method, for example, creates an instance of the **FloatBuffer** (p. 1985) class that is backed by the byte buffer upon which the method is invoked. Corresponding view-creation methods are defined for the types char, short, int, long, and double.

View buffers have two important advantages over the families of type-specific get and put methods described above:

A view buffer is indexed not in terms of bytes but rather in terms of the type-specific size of its values;

A view buffer provides relative bulk get and put methods that can transfer contiguous sequences of values between a buffer and an array or some other buffer of the same type; and

6.169.2 Constructor & Destructor Documentation

6.169.2.1 decaf::nio::ByteBuffer::ByteBuffer (int *capacity*) throw (decaf::lang::exceptions::IllegalArgumentException) [protected]

Creates a **ByteBuffer** (p. 1049) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

capacity	The size of the array, this is the limit we read and write to.

Exceptions

IllegalArgumentException	if capacity is negative.

6.169.2.2 virtual decaf::nio::ByteBuffer::~ByteBuffer ( ) [inline, virtual]

6.169.3 Member Function Documentation

6.169.3.1 static ByteBuffer* decaf::nio::ByteBuffer::allocate (int *capacity*) throw (decaf::lang::exceptions::IllegalArgumentException) [static]

Allocates a new byte buffer whose position will be zero its limit will be its capacity and its mark is not set.

Parameters

capacity	The internal buffer's capacity.

Returns

a newly allocated **ByteBuffer** (p. 1049) which the caller owns.

Exceptions

IllegalArgumentException	if capacity is negative.

6.169.3.2 virtual unsigned char* decaf::nio::ByteBuffer::array ( ) throw (ReadOnlyBufferException, decaf::lang::exceptions::UnsupportedOperationException) [pure virtual]

Returns the byte array that backs this buffer.

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The array that backs this buffer

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is backed by an array but is read-only
UnsupportedOperationException	if this buffer is not backed by an accessible array

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1020).

6.169.3.3 virtual int decaf::nio::ByteBuffer::arrayOffset ( ) const throw (ReadOnlyBufferException, decaf::lang::exceptions::UnsupportedOperationException) [pure virtual]

Returns the offset within this buffer's backing array of the first element of the buffer.

If this buffer is backed by an array then buffer position p corresponds to array index p + **arrayOffset()** (p. 1057).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset within this buffer's array of the first element of the buffer.

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is backed by an array but is read-only.
UnsupportedOperationException	if this buffer is not backed by an accessible array.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1020).

6.169.3.4 virtual CharBuffer* decaf::nio::ByteBuffer::asCharBuffer ( ) const [pure virtual]

Creates a view of this byte buffer as a char buffer.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the new Char **Buffer** (p. 936), which the caller then owns.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1021).

6.169.3.5 virtual DoubleBuffer* decaf::nio::ByteBuffer::asDoubleBuffer ( ) const [pure virtual]

Creates a view of this byte buffer as a double buffer.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by eight, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the new double **Buffer** (p. 936), which the caller then owns.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1021).

6.169.3.6 virtual FloatBuffer* decaf::nio::ByteBuffer::asFloatBuffer ( ) const [pure virtual]

Creates a view of this byte buffer as a float buffer.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by four, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the new float **Buffer** (p. 936), which the caller then owns.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1021).

6.169.3.7 virtual IntBuffer* decaf::nio::ByteBuffer::asIntBuffer ( ) const [pure virtual]

Creates a view of this byte buffer as a int buffer.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by four, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the new int **Buffer** (p. 936), which the caller then owns.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1022).

6.169.3.8 virtual LongBuffer* decaf::nio::ByteBuffer::asLongBuffer ( ) const [pure virtual]

Creates a view of this byte buffer as a long buffer.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by eight, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the new long **Buffer** (p. 936), which the caller then owns.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1022).

6.169.3.9 virtual ByteBuffer* decaf::nio::ByteBuffer::asReadOnlyBuffer ( ) const [pure virtual]

Creates a new, read-only byte buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only byte buffer which the caller then owns.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1023).

6.169.3.10 virtual ShortBuffer* decaf::nio::ByteBuffer::asShortBuffer ( ) const [pure virtual]

Creates a view of this byte buffer as a short buffer.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer divided by two, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the new short **Buffer** (p. 936), which the caller then owns.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1023).

6.169.3.11 virtual ByteBuffer& decaf::nio::ByteBuffer::compact ( ) throw (ReadOnlyBufferException) [pure virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **ByteBuffer** (p. 1049).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1023).

6.169.3.12 virtual int decaf::nio::ByteBuffer::compareTo (const ByteBuffer & *value*) const [virtual]

6.169.3.13 virtual ByteBuffer* decaf::nio::ByteBuffer::duplicate ( ) [pure virtual]

Creates a new byte buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new Byte **Buffer** (p. 936) which the caller owns.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1024).

6.169.3.14 virtual bool decaf::nio::ByteBuffer::equals (const ByteBuffer & *value*) const [virtual]

6.169.3.15 ByteBuffer& decaf::nio::ByteBuffer::get (std::vector< unsigned char > *buffer*) throw (BufferUnderflowException)

Relative bulk get method.

This method transfers bytes from this buffer into the given destination vector. An invocation of this method of the form src.get(a) behaves in exactly the same way as the invocation. The vector must be sized to the amount of data that is to be read, that is to say, the caller should call buffer.resize(N) before calling this get method.

Returns

a reference to this Byte **Buffer** (p. 936).

Exceptions

BufferUnderflowException *(p. 967)*	if there are fewer than length bytes remaining in this buffer

6.169.3.16 virtual unsigned char decaf::nio::ByteBuffer::get ( ) const throw (BufferUnderflowException) [pure virtual]

Relative get method.

Reads the byte at this buffer's current position, and then increments the position.

Returns

The byte at the buffer's current position.

Exceptions

BufferUnderflowException (p. *967*)	if the buffer's current position is not smaller than its limit.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1024).

6.169.3.17 virtual unsigned char decaf::nio::ByteBuffer::get (int *index*) const throw (**decaf::lang::exceptions::IndexOutOfBoundsException**) `[pure virtual]`

Absolute get method.

Reads the byte at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the byte is to be read.

Returns

the byte that is located at the given index.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit, or index is negative.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1025).

6.169.3.18 ByteBuffer& decaf::nio::ByteBuffer::get (unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (**BufferUnderflowException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException**)

Relative bulk get method.

This method transfers bytes from this buffer into the given destination array. If there are fewer bytes remaining in the buffer than are required to satisfy the request, that is, if length > **remaining()** (p. 941), then no bytes are transferred and a **BufferUnderflowException** (p. 967) is thrown.

Otherwise, this method copies length bytes from this buffer into the given array, starting at the current position of this buffer and at the given offset in the array. The position of

this buffer is then incremented by length.

Parameters

buffer	The pointer to an allocated buffer to fill.
size	The size of the passed in **Buffer** (p. 936).
offset	The position in the buffer to start filling.
length	The amount of data to put in the passed buffer.

Returns

a reference to this **Buffer** (p. 936).

Exceptions

IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.
BufferUnderflowException *(p. 967)*	if there are fewer than length bytes remaining in this buffer.
NullPointerException	if the passed buffer is null.

6.169.3.19 virtual char decaf::nio::ByteBuffer::getChar ( ) throw (BufferUnderflowException) [pure virtual]

Reads the next byte at this buffer's current position, and then increments the position by one.

Returns

the next char in the buffer.

Exceptions

BufferUnderflowException *(p. 967)*	if there are no more bytes remaining in this buffer, meaning we have reached the set limit.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1025).

6.169.3.20 virtual char decaf::nio::ByteBuffer::getChar (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Reads one byte at the given index and returns it.

Parameters

index	The index in the **Buffer** (p. 936) where the byte is to be read.

Returns

the char at the given index in the buffer

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit, or index is negative.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1025).

6.169.3.21 virtual double decaf::nio::ByteBuffer::getDouble ( ) throw (BufferUnderflowException) [pure virtual]

Reads the next eight bytes at this buffer's current position, and then increments the position by that amount.

Returns

the next double in the buffer.

Exceptions

BufferUnderflowException *(p. 967)*	if there are no more bytes remaining in this buffer, meaning we have reached the set limit.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1026).

6.169.3.22 virtual double decaf::nio::ByteBuffer::getDouble (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Reads eight bytes at the given index and returns it.

Parameters

index	The index in the **Buffer** (p. 936) where the bytes are to be read.

Returns

the double at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit, or index is negative.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1026).

6.169.3.23 virtual float decaf::nio::ByteBuffer::getFloat ( ) throw (BufferUnderflowException) [pure virtual]

Reads the next four bytes at this buffer's current position, and then increments the position by that amount.

Returns

the next float in the buffer.

Exceptions

BufferUnderflowException *(p. 967)*	if there are no more bytes remaining in this buffer, meaning we have reached the set limit.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1027).

6.169.3.24 virtual float decaf::nio::ByteBuffer::getFloat (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Reads four bytes at the given index and returns it.

Parameters

index	The index in the **Buffer** (p. 936) where the bytes are to be read.

Returns

the float at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1027).

6.169.3.25 virtual int decaf::nio::ByteBuffer::getInt ( ) throw (BufferUnderflowException) [pure virtual]

Reads the next four bytes at this buffer's current position, and then increments the position by that amount.

Returns

the next int in the buffer.

Exceptions

BufferUnderflowException *(p. 967)*	if there are no more bytes remaining in this buffer, meaning we have reached the set limit.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1027).

6.169.3.26 virtual int decaf::nio::ByteBuffer::getInt (int *index*) const throw (**decaf::lang::exceptions::IndexOutOfBoundsException**) [pure virtual]

Reads four bytes at the given index and returns it.

Parameters

index	The index in the **Buffer** (p. 936) where the bytes are to be read.

Returns

the int at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1028).

6.169.3.27 virtual long long decaf::nio::ByteBuffer::getLong ( ) throw (**BufferUnderflowException**) [pure virtual]

Reads the next eight bytes at this buffer's current position, and then increments the position by that amount.

Returns

the next long long in the buffer.

Exceptions

BufferUnderflowException *(p. 967)*	if there are no more bytes remaining in this buffer, meaning we have reached the set limit.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1028).

6.169.3.28 virtual long long decaf::nio::ByteBuffer::getLong (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Reads eight bytes at the given index and returns it.

Parameters

index	The index in the **Buffer** (p. 936) where the bytes are to be read.

Returns

the long long at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1029).

6.169.3.29 virtual short decaf::nio::ByteBuffer::getShort ( ) throw (BufferUnderflowException) [pure virtual]

Reads the next two bytes at this buffer's current position, and then increments the position by that amount.

Returns

the next short in the buffer.

Exceptions

BufferUnderflowException *(p. 967)*	if there are no more bytes remaining in this buffer, meaning we have reached the set limit.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1029).

6.169.3.30 virtual short decaf::nio::ByteBuffer::getShort (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Reads two bytes at the given index and returns it.

Parameters

index	The index in the **Buffer** (p. 936) where the bytes are to be read.

Returns

the short at the given index in the buffer.

Exceptions

IndexOutOfBoundsException	if there are not enough bytes remaining to fill the requested Data Type, or index is negative.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1029).

6.169.3.31 virtual bool decaf::nio::ByteBuffer::hasArray ( ) const [pure virtual]

Tells whether or not this buffer is backed by an accessible byte array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1030).

6.169.3.32 virtual bool decaf::nio::ByteBuffer::isReadOnly ( ) const [pure virtual]

Tells whether or not this buffer is read-only.

Returns

true if, and only if, this buffer is read-only

Implements **decaf::nio::Buffer** (p. 940).

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1030).

6.169.3.33 virtual bool decaf::nio::ByteBuffer::operator< (const ByteBuffer & *value*) const [virtual]

6.169.3.34 virtual bool decaf::nio::ByteBuffer::operator== (const ByteBuffer & *value*) const [virtual]

6.169.3.35 virtual ByteBuffer& decaf::nio::ByteBuffer::put (unsigned char *value*) throw (BufferOverflowException, ReadOnlyBufferException) [pure virtual]

Writes the given byte into this buffer at the current position, and then increments the position.

Parameters

value	- the byte value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if this buffer's current position is not smaller than its limit.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1030).

6.169.3.36 virtual ByteBuffer& decaf::nio::ByteBuffer::put (int *index*, unsigned char *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException) `[pure virtual]`

Writes the given byte into this buffer at the given index.

Parameters

index	- position in the **Buffer** (p. 936) to write the data
value	- the byte to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1031).

6.169.3.37 ByteBuffer& decaf::nio::ByteBuffer::put (ByteBuffer & *src*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IllegalArgumentException)

This method transfers the bytes remaining in the given source buffer into this buffer.

If there are more bytes remaining in the source buffer than in this buffer, that is, if

src.remaining() > **remaining()** (p. 941), then no bytes are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies n = src.remaining() bytes from the given buffer into this buffer, starting at each buffer's current position. The positions of both buffers are then incremented by n.

Parameters

src	The buffer to take bytes from an place in this one.

Returns

a reference to this buffer

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer for the remaining bytes in the source buffer
IllegalArgumentException	if the source buffer is this buffer
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

6.169.3.38 ByteBuffer& decaf::nio::ByteBuffer::put (const unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

This method transfers bytes into this buffer from the given source array.

If there are more bytes to be copied from the array than remain in this buffer, that is, if length > **remaining()** (p. 941), then no bytes are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies length bytes from the given array into this buffer, starting at the given offset in the array and at the current position of this buffer. The position of this buffer is then incremented by length.

Parameters

buffer	The array from which bytes are to be read.
size	The size of the given array.
offset	The offset within the array of the first byte to be read.
length	The number of bytes to be read from the given array.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.
NullPointerException	if the passed buffer is null.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.169.3.39 ByteBuffer& decaf::nio::ByteBuffer::put (std::vector< unsigned char > & *buffer*) throw (BufferOverflowException, ReadOnlyBufferException)

This method transfers the entire content of the given source byte array into this buffer.

This is the same as calling put(&buffer[0], buffer.size(), 0, buffer.size())

Parameters

buffer	The buffer whose contents are copied to this **ByteBuffer** (p. 1049).

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

6.169.3.40 virtual ByteBuffer& decaf::nio::ByteBuffer::putChar (char *value*) throw (BufferOverflowException, ReadOnlyBufferException) [pure virtual]

Writes one byte containing the given value, into this buffer at the current position, and then increments the position by one.

Parameters

value	The value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there are fewer than bytes remaining in this buffer than the size of the data to be written
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1032).

6.169.3.41 virtual ByteBuffer& decaf::nio::ByteBuffer::putChar (int *index*, char *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException) [pure virtual]

Writes one byte containing the given value, into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The value to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1031).

6.169.3.42 virtual ByteBuffer& decaf::nio::ByteBuffer::putDouble (double *value*) throw (BufferOverflowException, ReadOnlyBufferException) [pure virtual]

Writes eight bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

Parameters

value	The value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there are fewer than bytes remaining in this buffer than the size of the data to be written
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1033).

6.169.3.43 virtual ByteBuffer& decaf::nio::ByteBuffer::putDouble (int *index*, double *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException) [pure virtual]

Writes eight bytes containing the given value, into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data
value	The value to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1032).

6.169.3.44 virtual ByteBuffer& decaf::nio::ByteBuffer::putFloat (float *value*) throw (BufferOverflowException, ReadOnlyBufferException) [pure virtual]

Writes four bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

Parameters

value	The value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there are fewer than bytes remaining in this buffer than the size of the data to be written.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1034).

6.169.3.45 virtual ByteBuffer& decaf::nio::ByteBuffer::putFloat (int *index*, float *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException) [pure virtual]

Writes four bytes containing the given value, into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data
value	The value to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1033).

6.169.3.46 virtual ByteBuffer& decaf::nio::ByteBuffer::putInt (int *index*, int *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException) [pure virtual]

Writes four bytes containing the given value, into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The value to write.

Returns

a reference to this buffer

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1034).

6.169.3.47 virtual ByteBuffer& decaf::nio::ByteBuffer::putInt (int *value*) throw (BufferOverflowException, ReadOnlyBufferException) [pure virtual]

Writes four bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

Parameters

value	The value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there are fewer than bytes remaining in this buffer than the size of the data to be written
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1035).

6.169.3.48 virtual ByteBuffer& decaf::nio::ByteBuffer::putLong (long long *value*) throw (BufferOverflowException, ReadOnlyBufferException) [pure virtual]

Writes eight bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

Parameters

value	The value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there are fewer than bytes remaining in this buffer than the size of the data to be written.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1035).

6.169.3.49 virtual ByteBuffer& decaf::nio::ByteBuffer::putLong (int *index*, long long *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException) [pure virtual]

Writes eight bytes containing the given value, into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The value to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1036).

6.169.3.50 virtual ByteBuffer& decaf::nio::ByteBuffer::putShort (int *index*, short *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException) [pure virtual]

Writes two bytes containing the given value, into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data
value	The value to write.

Returns

a reference to this buffer

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1037).

6.169.3.51 virtual ByteBuffer& decaf::nio::ByteBuffer::putShort (short *value*) throw (BufferOverflowException, ReadOnlyBufferException) [pure virtual]

Writes two bytes containing the given value, into this buffer at the current position, and then increments the position by eight.

Parameters

value	The value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there are fewer than bytes remaining in this buffer than the size of the data to be written.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1036).

6.169.3.52 virtual ByteBuffer* decaf::nio::ByteBuffer::slice ( ) const [pure virtual]

Creates a new byte buffer whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of

bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **ByteBuffer** (p. 1049) which the caller owns.

Implemented in **decaf::internal::nio::ByteArrayBuffer** (p. 1038).

6.169.3.53 virtual std::string decaf::nio::ByteBuffer::toString ( ) const [virtual]

Returns

a std::string describing this object

6.169.3.54 static ByteBuffer* decaf::nio::ByteBuffer::wrap (unsigned char * *array*, int *size*, int *offset*, int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new **ByteBuffer** (p. 1049).

The new buffer will be backed by the given byte array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array.length, its position will be offset, its limit will be offset + length, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

array	The array that will back the new buffer.
size	The size of the provided array.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new **ByteBuffer** (p. 1049) that is backed by buffer, caller owns.

Exceptions

NullPointerException	if the array passed in is NULL.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.169.3.55 static ByteBuffer* decaf::nio::ByteBuffer::wrap (std::vector< unsigned char > & *buffer*) [static]

Wraps the passed STL Byte Vector in a **ByteBuffer** (p. 1049).

The new buffer will be backed by the given byte array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new **ByteBuffer** (p. 1049) that is backed by buffer, caller owns.

The documentation for this class was generated from the following file:

- src/main/decaf/nio/**ByteBuffer.h**

6.170 cms::BytesMessage Class Reference

A **BytesMessage** (p. 1079) object is used to send a message containing a stream of unsigned bytes.

`#include <src/main/cms/BytesMessage.h>`

Inheritance diagram for cms::BytesMessage:

Public Member Functions

- virtual ~**BytesMessage** ()
- virtual void **setBodyBytes** (const unsigned char *buffer, int numBytes)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  sets the bytes given to the message body.

- virtual unsigned char * **getBodyBytes** () const =0 throw (cms::MessageNotReadableException, cms::CMSException)

  Gets the bytes that are contained in this message and returns them in a newly allocated array that becomes the property of the caller.

- virtual int **getBodyLength** () const =0 throw (cms::MessageNotReadableException, cms::CMSException)

  Returns the number of bytes contained in the body of this message.

- virtual void **reset** ()=0 throw (cms::MessageFormatException, cms::CMSException)

  Puts the message body in read-only mode and repositions the stream of bytes to the beginning.

- virtual bool **readBoolean** () const =0 throw (cms::MessageEOFException, cms::MessageNotReadableExc cms::CMSException)

  Reads a Boolean from the Bytes message stream.

- virtual void **writeBoolean** (bool value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a boolean to the bytes message stream as a 1-byte value.

- virtual unsigned char **readByte** () const =0 throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a Byte from the Bytes message stream.

- virtual void **writeByte** (unsigned char value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a byte to the bytes message stream as a 1-byte value.

- virtual int **readBytes** (std::vector< unsigned char > &value) const =0 throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a byte array from the bytes message stream.

- virtual void **writeBytes** (const std::vector< unsigned char > &value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a byte array to the bytes message stream using the vector size as the number of bytes to write.

- virtual int **readBytes** (unsigned char *buffer, int length) const =0 throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a portion of the bytes message stream.

- virtual void **writeBytes** (const unsigned char *value, int offset, int length)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a portion of a byte array to the bytes message stream.

- virtual char **readChar** () const =0 throw (cms::MessageEOFException, cms::MessageNotReadableExcept cms::CMSException)

  Reads a Char from the Bytes message stream.

- virtual void **writeChar** (char value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a char to the bytes message stream as a 1-byte value.

- virtual float **readFloat** () const =0 throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 32 bit float from the Bytes message stream.

- virtual void **writeFloat** (float value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a float to the bytes message stream as a 4 byte value.

- virtual double **readDouble** () const =0 throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 64 bit double from the Bytes message stream.

- virtual void **writeDouble** (double value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a double to the bytes message stream as a 8 byte value.

- virtual short **readShort** () const =0 throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 16 bit signed short from the Bytes message stream.

- virtual void **writeShort** (short value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a signed short to the bytes message stream as a 2 byte value.

- virtual unsigned short **readUnsignedShort** () const =0 throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 16 bit unsigned short from the Bytes message stream.

- virtual void **writeUnsignedShort** (unsigned short value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a unsigned short to the bytes message stream as a 2 byte value.

- virtual int **readInt** () const =0 throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 32 bit signed integer from the Bytes message stream.

- virtual void **writeInt** (int value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a signed int to the bytes message stream as a 4 byte value.

- virtual long long **readLong** () const =0 throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 64 bit long from the Bytes message stream.

- virtual void **writeLong** (long long value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

Writes a long long to the bytes message stream as a 8 byte value.

- virtual std::string **readString** () const =0 throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  Reads an ASCII String from the Bytes message stream.

- virtual void **writeString** (const std::string &value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes an ASCII String to the Bytes message stream.

- virtual std::string **readUTF** () const =0 throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException)

  *Reads an UTF String from the **BytesMessage** (p. 1079) stream.*

- virtual void **writeUTF** (const std::string &value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  *Writes an UTF String to the **BytesMessage** (p. 1079) stream.*

- virtual **BytesMessage** ∗ **clone** () const =0

  Clones this message.

6.170.1 Detailed Description

A **BytesMessage** (p. 1079) object is used to send a message containing a stream of unsigned bytes. It inherits from the **Message** (p. 2614) interface and adds a bytes message body. The receiver of the message supplies the interpretation of the bytes using the methods added by the **BytesMessage** (p. 1079) interface.

The **BytesMessage** (p. 1079) methods are based largely on those found in **decaf.io.DataInputStream** (p. 1612) and **decaf.io.DataOutputStream** (p. 1628).

Although the CMS API allows the use of message properties with byte messages, they are typically not used, since the inclusion of properties may affect the format.

The primitive types can be written explicitly using methods for each type. Because the C++ language is more limited when dealing with primitive types the JMS equivalent generic read and write methods that take Java objects cannot be provided in the CMS API.

When the message is first created, and when clearBody is called, the body of the message is in write-only mode. After the first call to reset has been made, the message body is in read-only mode. After a message has been sent, the client that sent it can retain and modify it without affecting the message that has been sent. The same message object can be sent multiple times. When a message has been received, the provider has called reset so that the message body is in read-only mode for the client.

If clearBody is called on a message in read-only mode, the message body is cleared and the message is in write-only mode.

If a client attempts to read a message in write-only mode, a **MessageNotReadableException** (p. 2807) is thrown.

If a client attempts to write a message in read-only mode, a **MessageNotWriteableException** (p. 2808) is thrown.

Since

1.0

6.170.2 Constructor & Destructor Documentation

6.170.2.1 virtual cms::BytesMessage::~BytesMessage ( ) [inline, virtual]

6.170.3 Member Function Documentation

6.170.3.1 virtual BytesMessage* cms::BytesMessage::clone ( ) const [pure virtual]

Clones this message.

Returns

a deep copy of this message.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs while cloning the **Message** (p. 2614).

Implements **cms::Message** (p. 2620).

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 219).

6.170.3.2 virtual unsigned char* cms::BytesMessage::getBodyBytes ( ) const throw (cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Gets the bytes that are contained in this message and returns them in a newly allocated array that becomes the property of the caller.

This is a copy of the data contained in this message, changing the value contained in this array has no effect on the data contained in this message.

Returns

pointer to a byte buffer that the call owns upon completion of this method.

Exceptions

CMSException (p. *1190*)	- If an internal error occurs.
MessageNotReadableException (p. *2807*)	- If the message is in Write Only Mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 220).

6.170.3.3 virtual int cms::BytesMessage::getBodyLength ( ) const throw (cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Returns the number of bytes contained in the body of this message.

Returns

number of bytes.

Exceptions

CMSException (p. *1190*)	- If an internal error occurs.
MessageNotReadableException (p. *2807*)	- If the message is in Write Only Mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 221).

6.170.3.4 virtual bool cms::BytesMessage::readBoolean ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a Boolean from the Bytes message stream.

Returns

boolean value from stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of bytes stream has been reached.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 221).

6.170.3.5 virtual unsigned char cms::BytesMessage::readByte ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a Byte from the Bytes message stream.

Returns

unsigned char value from stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException *(p. 2747)*	- if unexpected end of bytes stream has been reached.
MessageNotReadableException *(p. 2807)*	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 222).

6.170.3.6 virtual int cms::BytesMessage::readBytes (std::vector< unsigned char > & *value*) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a byte array from the bytes message stream.

If the length of vector value is less than the number of bytes remaining to be read from the stream, the vector should be filled. A subsequent call reads the next increment, and so on.

If the number of bytes remaining in the stream is less than the length of vector value, the bytes should be read into the vector. The return value of the total number of bytes read will be less than the length of the vector, indicating that there are no more bytes left to be read from the stream. The next read of the stream returns -1.

Parameters

value	buffer to place data in

Returns

the total number of bytes read into the buffer, or -1 if there is no more data because the end of the stream has been reached

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of bytes stream has been reached.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 222).

6.170.3.7 virtual int cms::BytesMessage::readBytes (unsigned char * *buffer*, int *length*) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a portion of the bytes message stream.

If the length of array value is less than the number of bytes remaining to be read from the stream, the array should be filled. A subsequent call reads the next increment, and so on.

If the number of bytes remaining in the stream is less than the length of array value, the bytes should be read into the array. The return value of the total number of bytes read will be less than the length of the array, indicating that there are no more bytes left to be read from the stream. The next read of the stream returns -1.

If length is negative, or length is greater than the length of the array value, then an IndexOutOfBoundsException is thrown. No bytes will be read from the stream for this exception case.

Parameters

buffer	the buffer into which the data is read
length	the number of bytes to read; must be less than or equal to value.length

Returns

the total number of bytes read into the buffer, or -1 if there is no more data because the end of the stream has been reached

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of bytes stream has been reached.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 223).

6.170.3.8 virtual char cms::BytesMessage::readChar ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a Char from the Bytes message stream.

Returns

char value from stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException *(p. 2747)*	- if unexpected end of bytes stream has been reached.
MessageNotReadableException *(p. 2807)*	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 224).

6.170.3.9 virtual double cms::BytesMessage::readDouble ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a 64 bit double from the Bytes message stream.

Returns

double value from stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException *(p. 2747)*	- if unexpected end of bytes stream has been reached.
MessageNotReadableException *(p. 2807)*	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 224).

6.170.3.10 virtual float cms::BytesMessage::readFloat ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a 32 bit float from the Bytes message stream.

Returns

double value from stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of bytes stream has been reached.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 225).

6.170.3.11 virtual int cms::BytesMessage::readInt ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a 32 bit signed integer from the Bytes message stream.

Returns

int value from stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of bytes stream has been reached.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 225).

6.170.3.12 virtual long long cms::BytesMessage::readLong ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a 64 bit long from the Bytes message stream.

Returns

long long value from stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException *(p. 2747)*	- if unexpected end of bytes stream has been reached.
MessageNotReadableException *(p. 2807)*	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 226).

6.170.3.13 virtual short cms::BytesMessage::readShort ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a 16 bit signed short from the Bytes message stream.

Returns

short value from stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException *(p. 2747)*	- if unexpected end of bytes stream has been reached.
MessageNotReadableException *(p. 2807)*	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 226).

6.170.3.14 virtual std::string cms::BytesMessage::readString ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads an ASCII String from the Bytes message stream.

Returns

String from stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of bytes stream has been reached.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 227).

6.170.3.15 virtual unsigned short cms::BytesMessage::readUnsignedShort ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a 16 bit unsigned short from the Bytes message stream.

Returns

unsigned short value from stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of bytes stream has been reached.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 227).

6.170.3.16 virtual std::string cms::BytesMessage::readUTF ( ) const throw (cms::MessageEOFException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads an UTF String from the **BytesMessage** (p. 1079) stream.

Returns

String from stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException *(p. 2747)*	- if unexpected end of bytes stream has been reached.
MessageNotReadableException *(p. 2807)*	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 228).

6.170.3.17 virtual void cms::BytesMessage::reset ( ) throw (cms::MessageFormatException, cms::CMSException) [pure virtual]

Puts the message body in read-only mode and repositions the stream of bytes to the beginning.

Exceptions

CMSException *(p. 1190)*	- If the provider fails to perform the reset operation.
MessageFormatException *(p. 2749)*	- If the **Message** (p. 2614) has an invalid format.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 228).

6.170.3.18 virtual void cms::BytesMessage::setBodyBytes (const unsigned char * *buffer*, int *numBytes*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

sets the bytes given to the message body.

Parameters

buffer	Byte Buffer to copy
numBytes	Number of bytes in Buffer to copy

Exceptions

CMSException (p. *1190*)	- If an internal error occurs.
MessageNotWriteableException (p. *2808*)	- if in Read Only Mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 228).

6.170.3.19 virtual void cms::BytesMessage::writeBoolean (bool *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a boolean to the bytes message stream as a 1-byte value.

The value true is written as the value (byte)1; the value false is written as the value (byte)0.

Parameters

value	boolean to write to the stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 229).

6.170.3.20 virtual void cms::BytesMessage::writeByte (unsigned char *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a byte to the bytes message stream as a 1-byte value.

Parameters

value	byte to write to the stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 229).

6.170.3.21 virtual void cms::BytesMessage::writeBytes (const std::vector< unsigned char > & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a byte array to the bytes message stream using the vector size as the number of bytes to write.

Parameters

value	bytes to write to the stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 230).

6.170.3.22 virtual void cms::BytesMessage::writeBytes (const unsigned char * *value*, int *offset*, int *length*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a portion of a byte array to the bytes message stream.

size as the number of bytes to write.

Parameters

value	bytes to write to the stream
offset	the initial offset within the byte array
length	the number of bytes to use

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 230).

6.170.3.23 virtual void cms::BytesMessage::writeChar (char *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a char to the bytes message stream as a 1-byte value.

Parameters

value	char to write to the stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 231).

6.170.3.24 virtual void cms::BytesMessage::writeDouble (double *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a double to the bytes message stream as a 8 byte value.

Parameters

value	double to write to the stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 231).

6.170.3.25 virtual void cms::BytesMessage::writeFloat (float *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a float to the bytes message stream as a 4 byte value.

Parameters

value	float to write to the stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException *(p. 2808)*	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 232).

6.170.3.26 virtual void cms::BytesMessage::writeInt (int *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a signed int to the bytes message stream as a 4 byte value.

Parameters

value	signed int to write to the stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException *(p. 2808)*	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 232).

6.170.3.27 virtual void cms::BytesMessage::writeLong (long long *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a long long to the bytes message stream as a 8 byte value.

Parameters

value	signed long long to write to the stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException *(p. 2808)*	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 232).

6.170.3.28 virtual void cms::BytesMessage::writeShort (short *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a signed short to the bytes message stream as a 2 byte value.

Parameters

value	signed short to write to the stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 233).

6.170.3.29 virtual void cms::BytesMessage::writeString (const std::string & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes an ASCII String to the Bytes message stream.

Parameters

value	String to write to the stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 233).

6.170.3.30 virtual void cms::BytesMessage::writeUnsignedShort (unsigned short *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a unsigned short to the bytes message stream as a 2 byte value.

Parameters

value	unsigned short to write to the stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException *(p. 2808)*	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 234).

6.170.3.31 virtual void cms::BytesMessage::writeUTF (const std::string & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes an UTF String to the **BytesMessage** (p. 1079) stream.

Parameters

value	String to write to the stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException *(p. 2747)*	- if unexpected end of bytes stream has been reached.
MessageNotReadableException *(p. 2807)*	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 234).

The documentation for this class was generated from the following file:

- src/main/cms/**BytesMessage.h**

6.171 activemq::cmsutil::CachedConsumer Class Reference

A cached message consumer contained within a pooled session.

`#include <src/main/activemq/cmsutil/CachedConsumer.h>`

Inheritance diagram for activemq::cmsutil::CachedConsumer:

Public Member Functions

- **CachedConsumer** (**cms::MessageConsumer** *consumer)

- virtual ~**CachedConsumer** ()
- virtual void **close** () throw (cms::CMSException)

  Does nothing - the real producer resource will be closed by the lifecycle manager.

- virtual **cms::Message** * **receive** () throw (cms::CMSException)

  Synchronously Receive a Message.

- virtual **cms::Message** * **receive** (int millisecs) throw (cms::CMSException)

  Synchronously Receive a Message, time out after defined interval.

- virtual **cms::Message** * **receiveNoWait** () throw (cms::CMSException)

  Receive a Message, does not wait if there isn't a new message to read, returns NULL if nothing read.

- virtual void **setMessageListener** (**cms::MessageListener** *listener) throw (cms::CMSException)

  Sets the MessageListener that this class will send notifs on.

- virtual **cms::MessageListener** * **getMessageListener** () const throw (cms::CMSException)

  Gets the MessageListener that this class will send mew Message notification events to.

- virtual std::string **getMessageSelector** () const throw (cms::CMSException)

  Gets this message consumer's message selector expression.

Protected Member Functions

- **CachedConsumer** (const **CachedConsumer** &)
- **CachedConsumer** & **operator=** (const **CachedConsumer** &)

6.171.1 Detailed Description

A cached message consumer contained within a pooled session.

6.171.2 Constructor & Destructor Documentation

6.171.2.1 activemq::cmsutil::CachedConsumer::CachedConsumer (const CachedConsumer &) [inline, protected]

6.171.2.2 activemq::cmsutil::CachedConsumer::CachedConsumer (cms::MessageConsumer * *consumer*) [inline]

6.171.2.3 virtual activemq::cmsutil::CachedConsumer::~CachedConsumer ( ) [inline, virtual]

6.171.3 Member Function Documentation

6.171.3.1 virtual void activemq::cmsutil::CachedConsumer::close ( ) throw (cms::CMSException) [inline, virtual]

Does nothing - the real producer resource will be closed by the lifecycle manager.

Implements **cms::Closeable** (p. 1180).

6.171.3.2 virtual cms::MessageListener* activemq::cmsutil::CachedConsumer::getMessageListener ( ) const throw (cms::CMSException) [inline, virtual]

Gets the MessageListener that this class will send mew Message notification events to.

Returns

The listener of messages received by this consumer

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::MessageConsumer** (p. 2675).

6.171.3.3 virtual std::string activemq::cmsutil::CachedConsumer::getMessageSelector ( ) const throw (cms::CMSException) [inline, virtual]

Gets this message consumer's message selector expression.

Returns

This Consumer's selector expression or "".

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::MessageConsumer** (p. 2676).

6.171.3.4 CachedConsumer& activemq::cmsutil::CachedConsumer::operator= (const CachedConsumer &) [inline, protected]

6.171.3.5 virtual cms::Message* activemq::cmsutil::CachedConsumer::receive ( ) throw (cms::CMSException) [inline, virtual]

Synchronously Receive a Message.

Returns

new message which the caller owns and must delete.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::MessageConsumer** (p. 2676).

6.171.3.6 virtual cms::Message* activemq::cmsutil::CachedConsumer::receive (int *millisecs*) throw (cms::CMSException) [inline, virtual]

Synchronously Receive a Message, time out after defined interval.

Returns null if nothing read.

Returns

new message which the caller owns and must delete.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::MessageConsumer** (p. 2676).

6.171.3.7 virtual cms::Message* activemq::cmsutil::CachedConsumer::receiveNoWait ( ) throw (cms::CMSException) [inline, virtual]

Receive a Message, does not wait if there isn't a new message to read, returns NULL if nothing read.

Returns

new message which the caller owns and must delete.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::MessageConsumer** (p. 2677).

6.171.3.8 virtual void activemq::cmsutil::CachedConsumer::setMessageListener (cms::MessageListener * *listener*) throw (cms::CMSException) [inline, virtual]

Sets the MessageListener that this class will send notifs on.

Parameters

listener	The listener of messages received by this consumer.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::MessageConsumer** (p. 2677).

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**CachedConsumer.h**

6.172 activemq::cmsutil::CachedProducer Class Reference

A cached message producer contained within a pooled session.

`#include <src/main/activemq/cmsutil/CachedProducer.h>`

Inheritance diagram for activemq::cmsutil::CachedProducer:

Public Member Functions

- **CachedProducer** (**cms::MessageProducer** *producer)
- virtual ~**CachedProducer** ()
- virtual void **close** () throw (cms::CMSException)

  Does nothing - the real producer resource will be closed by the lifecycle manager.

- virtual void **send** (**cms::Message** *message) throw (cms::CMSException)

  Sends the message to the default producer destination, but does not take ownership of the message, caller must still destroy it.

- virtual void **send** (**cms::Message** *message, int deliveryMode, int priority, long long timeToLive) throw (cms::CMSException)

  Sends the message to the default producer destination, but does not take ownership of the message, caller must still destroy it.

- virtual void **send** (const **cms::Destination** ∗destination, **cms::Message** ∗message) throw (cms::CMSException)

  Sends the message to the designated destination, but does not take ownership of the message, caller must still destroy it.

- virtual void **send** (const **cms::Destination** ∗destination, **cms::Message** ∗message, int deliveryMode, int priority, long long timeToLive) throw (cms::CMSException)

  Sends the message to the designated destination, but does not take ownership of the message, caller must still destroy it.

- virtual void **setDeliveryMode** (int mode) throw (cms::CMSException)

  Sets the delivery mode for this Producer.

- virtual int **getDeliveryMode** () const throw (cms::CMSException)

  Gets the delivery mode for this Producer.

- virtual void **setDisableMessageID** (bool value) throw (cms::CMSException)

  Sets if Message Ids are disabled for this Producer.

- virtual bool **getDisableMessageID** () const throw (cms::CMSException)

  Gets if Message Ids are disabled for this Producer.

- virtual void **setDisableMessageTimeStamp** (bool value) throw (cms::CMSException)

  Sets if Message Time Stamps are disabled for this Producer.

- virtual bool **getDisableMessageTimeStamp** () const throw (cms::CMSException)

  Gets if Message Time Stamps are disabled for this Producer.

- virtual void **setPriority** (int priority) throw (cms::CMSException)

  Sets the Priority that this Producers sends messages at.

- virtual int **getPriority** () const throw (cms::CMSException)

  Gets the Priority level that this producer sends messages at.

- virtual void **setTimeToLive** (long long time) throw (cms::CMSException)

  Sets the Time to Live that this Producers sends messages with.

- virtual long long **getTimeToLive** () const throw (cms::CMSException)

  Gets the Time to Live that this producer sends messages with.

Protected Member Functions

- **CachedProducer** (const **CachedProducer** &)
- **CachedProducer** & **operator=** (const **CachedProducer** &)

6.172.1 Detailed Description

A cached message producer contained within a pooled session.

6.172.2 Constructor & Destructor Documentation

6.172.2.1 activemq::cmsutil::CachedProducer::CachedProducer (const CachedProducer &) [inline, protected]

6.172.2.2 activemq::cmsutil::CachedProducer::CachedProducer (cms::MessageProducer * *producer*) [inline]

6.172.2.3 virtual activemq::cmsutil::CachedProducer::~CachedProducer ( ) [inline, virtual]

6.172.3 Member Function Documentation

6.172.3.1 virtual void activemq::cmsutil::CachedProducer::close ( ) throw (cms::CMSException) [inline, virtual]

Does nothing - the real producer resource will be closed by the lifecycle manager.

Implements **cms::Closeable** (p. 1180).

6.172.3.2 virtual int activemq::cmsutil::CachedProducer::getDeliveryMode ( ) const throw (cms::CMSException) [inline, virtual]

Gets the delivery mode for this Producer.

Returns

The DeliveryMode

Exceptions

CMSException	- if an internal error occurs.

Implements **cms::MessageProducer** (p. 2811).

6.172.3.3 virtual bool activemq::cmsutil::CachedProducer::getDisableMessageID ( ) const throw (cms::CMSException) [inline, virtual]

Gets if Message Ids are disabled for this Producer.

Returns

boolean indicating enable / disable (true / false)

Exceptions

CMSException	- if an internal error occurs.

Implements **cms::MessageProducer** (p. 2812).

6.172.3.4 virtual bool activemq::cmsutil::CachedProducer::getDisableMessageTimeStamp ( ) const throw (cms::CMSException) [inline, virtual]

Gets if Message Time Stamps are disabled for this Producer.

Returns

boolean indicating enable / disable (true / false)

Exceptions

CMSException	- if an internal error occurs.

Implements **cms::MessageProducer** (p. 2812).

6.172.3.5 virtual int activemq::cmsutil::CachedProducer::getPriority ( ) const throw (cms::CMSException) [inline, virtual]

Gets the Priority level that this producer sends messages at.

Returns

int based priority level

Exceptions

CMSException	- if an internal error occurs.

Implements **cms::MessageProducer** (p. 2812).

6.172.3.6 virtual long long activemq::cmsutil::CachedProducer::getTimeToLive ( ) const throw (cms::CMSException) [inline, virtual]

Gets the Time to Live that this producer sends messages with.

Returns

Time to live value in milliseconds

Exceptions

CMSException	- if an internal error occurs.

Implements **cms::MessageProducer** (p. 2813).

6.172.3.7 CachedProducer& activemq::cmsutil::CachedProducer::operator= (const CachedProducer &) [inline, protected]

6.172.3.8 virtual void activemq::cmsutil::CachedProducer::send (cms::Message * *message*, int *deliveryMode*, int *priority*, long long *timeToLive*) throw (cms::CMSException) [inline, virtual]

Sends the message to the default producer destination, but does not take ownership of the message, caller must still destroy it.

Parameters

message	The message to be sent.
delivery-Mode	The delivery mode to be used.
priority	The priority for this message.
timeToLive	The time to live value for this message in milliseconds.

Exceptions

CMSException	- if an internal error occurs while sending the message.
MessageFormatEx-ception	- if an Invalid Message is given.
InvalidDestina-tionException	- if a client uses this method with a MessageProducer with an invalid destination.
UnsupportedOpera-tionException	- if a client uses this method with a MessageProducer that did not specify a destination at creation time.

Implements **cms::MessageProducer** (p. 2813).

6.172.3.9 virtual void activemq::cmsutil::CachedProducer::send (const cms::Destination * *destination*, cms::Message * *message*) throw (cms::CMSException) [inline, virtual]

Sends the message to the designated destination, but does not take ownership of the message, caller must still destroy it.

Uses default values for deliveryMode, priority, and time to live.

Parameters

destination	The destination on which to send the message
message	the message to be sent.

Exceptions

CMSException	- if an internal error occurs while sending the message.

MessageFormatException	- if an Invalid Message is given.
InvalidDestinationException	- if a client uses this method with a MessageProducer with an invalid destination.
UnsupportedOperationException	- if a client uses this method with a MessageProducer that did not specify a destination at creation time.

Implements **cms::MessageProducer** (p. 2815).

6.172.3.10 virtual void activemq::cmsutil::CachedProducer::send (cms::Message * *message*) throw (cms::CMSException) [inline, virtual]

Sends the message to the default producer destination, but does not take ownership of the message, caller must still destroy it.

Uses default values for deliveryMode, priority, and time to live.

Parameters

message	The message to be sent.

Exceptions

CMSException	- if an internal error occurs while sending the message.
MessageFormatException	- if an Invalid Message is given.
InvalidDestinationException	- if a client uses this method with a MessageProducer with an invalid destination.
UnsupportedOperationException	- if a client uses this method with a MessageProducer that did not specify a destination at creation time.

Implements **cms::MessageProducer** (p. 2814).

6.172.3.11 virtual void activemq::cmsutil::CachedProducer::send (const cms::Destination * *destination*, cms::Message * *message*, int *deliveryMode*, int *priority*, long long *timeToLive*) throw (cms::CMSException) [inline, virtual]

Sends the message to the designated destination, but does not take ownership of the message, caller must still destroy it.

Parameters

destination	The destination on which to send the message
message	The message to be sent.
deliveryMode	The delivery mode to be used.
priority	The priority for this message.
timeToLive	The time to live value for this message in milliseconds.

Exceptions

CMSException	- if an internal error occurs while sending the message.
MessageFormatException	- if an Invalid Message is given.
InvalidDestinationException	- if a client uses this method with a MessageProducer with an invalid destination.
UnsupportedOperationException	- if a client uses this method with a MessageProducer that did not specify a destination at creation time.

Implements **cms::MessageProducer** (p. 2814).

6.172.3.12 virtual void activemq::cmsutil::CachedProducer::setDeliveryMode (int *mode*) throw (cms::CMSException) [inline, virtual]

Sets the delivery mode for this Producer.

Parameters

mode	The DeliveryMode

Exceptions

CMSException	- if an internal error occurs.

Implements **cms::MessageProducer** (p. 2816).

6.172.3.13 virtual void activemq::cmsutil::CachedProducer::setDisableMessageID (bool *value*) throw (cms::CMSException) [inline, virtual]

Sets if Message Ids are disabled for this Producer.

Parameters

value	boolean indicating enable / disable (true / false)

Exceptions

CMSException	- if an internal error occurs.

Implements **cms::MessageProducer** (p. 2816).

6.172.3.14 virtual void activemq::cmsutil::CachedProducer::setDisableMessageTimeStamp (bool *value*) throw (cms::CMSException) [inline, virtual]

Sets if Message Time Stamps are disabled for this Producer.

Parameters

value	- boolean indicating enable / disable (true / false)

Exceptions

CMSException	- if an internal error occurs.

Implements **cms::MessageProducer** (p. 2816).

6.172.3.15 virtual void activemq::cmsutil::CachedProducer::setPriority (int *priority*) throw (cms::CMSException) [inline, virtual]

Sets the Priority that this Producers sends messages at.

Parameters

priority	int value for Priority level

Exceptions

CMSException	- if an internal error occurs.

Implements **cms::MessageProducer** (p. 2817).

6.172.3.16 virtual void activemq::cmsutil::CachedProducer::setTimeToLive (long long *time*) throw (cms::CMSException) [inline, virtual]

Sets the Time to Live that this Producers sends messages with.

This value will be used if the time to live is not specified via the send method.

Parameters

time	default time to live value in milliseconds

Exceptions

CMSException	- if an internal error occurs.

Implements **cms::MessageProducer** (p. 2817).

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**CachedProducer.h**

6.173 decaf::util::concurrent::Callable< V > Class Template Reference

A task that returns a result and may throw an exception.

`#include <src/main/decaf/util/concurrent/Callable.h>`

Public Member Functions

- virtual ~**Callable** ()
- virtual V **call** ()=0 throw (decaf::lang::Exception)

  Computes a result, or throws an exception if unable to do so.

6.173.1 Detailed Description

template<typename V> class decaf::util::concurrent::Callable< V >

A task that returns a result and may throw an exception. Implementors define a single method with no arguments called call. This interface differs from the Runnable interface in that a **Callable** (p. 1108) object can return a result and is allowed to throw an exceptions from its call method.

The Executors class contains utility methods to convert from other common forms to **Callable** (p. 1108) classes.

Since

1.0

6.173.2 Constructor & Destructor Documentation

6.173.2.1 template<typename V > virtual decaf::util::concurrent::Callable< V >::~Callable ( ) [inline, virtual]

6.173.3 Member Function Documentation

6.173.3.1 template<typename V > virtual V decaf::util::concurrent::Callable< V >::call ( ) throw (decaf::lang::Exception) [pure virtual]

Computes a result, or throws an exception if unable to do so.

Returns

Computed Result.

Exceptions

Exception	If unable to compute a result.

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**Callable.h**

6.174 decaf::util::concurrent::CancellationException Class Reference

`#include <src/main/decaf/util/concurrent/CancellationException.h>`

Inheritance diagram for decaf::util::concurrent::CancellationException:

Public Member Functions

- **CancellationException** () throw ()

  Default Constructor.

- **CancellationException** (const **decaf::lang::Exception** &ex) throw ()

  Conversion Constructor from some other Exception.

- **CancellationException** (const **CancellationException** &ex) throw ()

  Copy Constructor.

- **CancellationException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **CancellationException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **CancellationException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **CancellationException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**CancellationException** () throw ()

6.174.1 Constructor & Destructor Documentation

6.174.1.1 decaf::util::concurrent::CancellationException::CancellationException ( ) throw () [inline]

Default Constructor.

6.174.1.2 decaf::util::concurrent::CancellationException::CancellationException (const decaf::lang::Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.174.1.3 decaf::util::concurrent::CancellationException::CancellationException (const CancellationException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	- The Exception to copy in this new instance.

6.174.1.4 decaf::util::concurrent::CancellationException::CancellationException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.174.1.5 decaf::util::concurrent::CancellationException::CancellationException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	- The file name where exception occurs
lineNumber	- The line number where the exception occurred.
msg	- The message to report
...	- list of primitives that are formatted into the message

6.174.1.6 decaf::util::concurrent::CancellationException::CancellationException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	- The file name where exception occurs

lineNumber	- The line number where the exception occurred.
cause	- The exception that was the cause for this one to be thrown.
msg	- The message to report
...	- list of primitives that are formatted into the message

6.174.1.7 virtual decaf::util::concurrent::CancellationException::~CancellationException ( ) throw () [inline, virtual]

6.174.2 Member Function Documentation

6.174.2.1 virtual CancellationException* decaf::util::concurrent::CancellationException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new instance of an exception that is a clone of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**CancellationException.h**

6.175 decaf::security::cert::Certificate Class Reference

Base interface for all identity certificates.

`#include <src/main/decaf/security/cert/Certificate.h>`

Inheritance diagram for decaf::security::cert::Certificate:

Public Member Functions

- virtual ~**Certificate** ()
- virtual bool **equals** (const **Certificate** &cert) const =0

  Compares the encoded form of the two certificates.

- virtual void **getEncoded** (std::vector< unsigned char > &output) const =0 throw (CertificateEncodingException)

Provides the encoded form of this certificate.

- virtual std::string **getType** () const =0

  Returns the type of this certificate.

- virtual **PublicKey** ∗ **getPublicKey** ()=0

  Gets the public key of this certificate.

- virtual const **PublicKey** ∗ **getPublicKey** () const =0

  Gets the public key of this certificate.

- virtual void **verify** (const **PublicKey** &publicKey) const =0 throw (NoSuchAlgorithmException, InvalidKeyException, NoSuchProviderException, SignatureException, CertificateException)

  Verifies that this certificate was signed with the private key that corresponds to the specified public key.

- virtual void **verify** (const **PublicKey** &publicKey, const std::string &sigProvider) const =0 throw (NoSuchAlgorithmException, InvalidKeyException, NoSuchProviderException, SignatureException, CertificateException)

  Verifies that this certificate was signed with the private key that corresponds to the specified public key.

- virtual std::string **toString** () const =0

  Returns a string representation of this certificate.

6.175.1 Detailed Description

Base interface for all identity certificates.

6.175.2 Constructor & Destructor Documentation

6.175.2.1 virtual decaf::security::cert::Certificate::∼Certificate ( ) [inline, virtual]

6.175.3 Member Function Documentation

6.175.3.1 virtual bool decaf::security::cert::Certificate::equals (const Certificate & *cert*) const [pure virtual]

Compares the encoded form of the two certificates.

Parameters

cert	The certificate to be tested for equality with this certificate.

Returns

true if the given certificate is equal to this certificate.

6.175.3.2 virtual void decaf::security::cert::Certificate::getEncoded (std::vector< unsigned char > & *output*) const throw (CertificateEncodingException) [pure virtual]

Provides the encoded form of this certificate.

Parameters

output	Receives the encoded form of this certificate.

Exceptions

CertificateEncodingException (p. *1116*)	if an encoding error occurs

6.175.3.3 virtual PublicKey* decaf::security::cert::Certificate::getPublicKey ( ) [pure virtual]

Gets the public key of this certificate.

Returns

the public key

6.175.3.4 virtual const PublicKey* decaf::security::cert::Certificate::getPublicKey ( ) const [pure virtual]

Gets the public key of this certificate.

Returns

the public key

6.175.3.5 virtual std::string decaf::security::cert::Certificate::getType ( ) const [pure virtual]

Returns the type of this certificate.

Returns

the type of this certificate

6.175.3.6 virtual std::string decaf::security::cert::Certificate::toString ( ) const [pure virtual]

Returns a string representation of this certificate.

Returns

a string representation of this certificate

6.175.3.7 virtual void decaf::security::cert::Certificate::verify (const PublicKey & *publicKey*, const std::string & *sigProvider*) const throw (NoSuchAlgorithmException, InvalidKeyException, NoSuchProviderException, SignatureException, CertificateException) [pure virtual]

Verifies that this certificate was signed with the private key that corresponds to the specified public key.

Uses the verification engine of the specified provider.

Parameters

publicKey	The public key used to carry out the validation.
sigProvider	The name of the signature provider

Exceptions

NoSuchAlgorithmException (p. *2907*)	- on unsupported signature algorithms.
InvalidKeyException (p. *2201*)	- on incorrect key.
NoSuchProviderException (p. *2913*)	- if there's no default provider.
SignatureException (p. *3601*)	- on signature errors.
CertificateException (p. *1118*)	- on encoding errors.

6.175.3.8 virtual void decaf::security::cert::Certificate::verify (const PublicKey & *publicKey*) const throw (NoSuchAlgorithmException, InvalidKeyException, NoSuchProviderException, SignatureException, CertificateException) [pure virtual]

Verifies that this certificate was signed with the private key that corresponds to the specified public key.

Parameters

publicKey	The public key used to carry out the validation.

Exceptions

NoSuchAlgorithmException (p. *2907*)	- on unsupported signature algorithms.
InvalidKeyException (p. *2201*)	- on incorrect key.
NoSuchProviderException (p. *2913*)	- if there's no default provider.
SignatureException (p. *3601*)	- on signature errors.
CertificateException (p. *1118*)	- on encoding errors.

The documentation for this class was generated from the following file:

- src/main/decaf/security/cert/**Certificate.h**

6.176 decaf::security::cert::CertificateEncodingException Class Reference

`#include <src/main/decaf/security/cert/CertificateEncodingException.h>`

Inheritance diagram for decaf::security::cert::CertificateEncodingException:

Public Member Functions

- **CertificateEncodingException** () throw ()

  Default Constructor.

- **CertificateEncodingException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **CertificateEncodingException** (const **CertificateEncodingException** &ex) throw ()

  Copy Constructor.

- **CertificateEncodingException** (const char *file, const int lineNumber, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occured.

- virtual **CertificateEncodingException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**CertificateEncodingException** () throw ()

6.176.1 Constructor & Destructor Documentation

6.176.1.1 decaf::security::cert::CertificateEncodingException::CertificateEncodingException ( ) throw () [inline]

Default Constructor.

6.176.1.2 decaf::security::cert::CertificateEncodingException::CertificateEncodingException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.176.1.3 decaf::security::cert::CertificateEncodingException::CertificateEncodingException (const CertificateEncodingException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.176.1.4 decaf::security::cert::CertificateEncodingException::CertificateEncodingException (const char ∗ *file*, const int *lineNumber*, const char ∗ *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occured.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	name where exception occurs
lineNumber	line number where the exception occurred.
msg	message to report
...	list of primitives that are formatted into the message

6.176.1.5 virtual decaf::security::cert::CertificateEncodingException::~CertificateEncodingException ( ) throw () [inline, virtual]

6.176.2 Member Function Documentation

6.176.2.1 virtual CertificateEncodingException* decaf::security::cert::CertificateEncodingException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A deep copy of this exception.

Reimplemented from **decaf::security::cert::CertificateException** (p. 1120).

The documentation for this class was generated from the following file:

- src/main/decaf/security/cert/**CertificateEncodingException.h**

6.177 decaf::security::cert::CertificateException Class Reference

`#include <src/main/decaf/security/cert/CertificateException.h>`

Inheritance diagram for decaf::security::cert::CertificateException:

Public Member Functions

- **CertificateException** () throw ()

  Default Constructor.

- **CertificateException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **CertificateException** (const **CertificateException** &ex) throw ()

  Copy Constructor.

- **CertificateException** (const char *file, const int lineNumber, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occured.

- virtual **CertificateException** * **clone** () const

Clones this exception.

- virtual ~**CertificateException** () throw ()

6.177.1 Constructor & Destructor Documentation

6.177.1.1 decaf::security::cert::CertificateException::CertificateException ( ) throw () [inline]

Default Constructor.

6.177.1.2 decaf::security::cert::CertificateException::CertificateException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.177.1.3 decaf::security::cert::CertificateException::CertificateException (const **CertificateException** & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.177.1.4 decaf::security::cert::CertificateException::CertificateException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occured.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	name where exception occurs
lineNumber	line number where the exception occurred.
msg	message to report
...	list of primitives that are formatted into the message

6.177.1.5 virtual decaf::security::cert::CertificateException::~CertificateException ( ) throw () [inline, virtual]

6.177.2 Member Function Documentation

6.177.2.1 virtual CertificateException* decaf::security::cert::CertificateException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A deep copy of this exception.

Reimplemented from **decaf::security::GeneralSecurityException** (p. 2037).

Reimplemented in **decaf::security::cert::CertificateEncodingException** (p. 1118), **decaf::security::cert::CertificateExpiredException** (p. 1122), **decaf::security::cert::CertificateNotYetValid** (p. 1124), and **decaf::security::cert::CertificateParsingException** (p. 1126).

The documentation for this class was generated from the following file:

- src/main/decaf/security/cert/**CertificateException.h**

6.178 decaf::security::cert::CertificateExpiredException Class Reference

```
#include <src/main/decaf/security/cert/CertificateExpiredException.h>
```

Inheritance diagram for decaf::security::cert::CertificateExpiredException:

Public Member Functions

- **CertificateExpiredException** () throw ()

  Default Constructor.

- **CertificateExpiredException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **CertificateExpiredException** (const **CertificateExpiredException** &ex) throw ()

  Copy Constructor.

- **CertificateExpiredException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occured.

- virtual **CertificateExpiredException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**CertificateExpiredException** () throw ()

6.178.1 Constructor & Destructor Documentation

6.178.1.1 decaf::security::cert::CertificateExpiredException::CertificateExpiredException ( ) throw () [inline]

Default Constructor.

6.178.1.2 decaf::security::cert::CertificateExpiredException::CertificateExpiredException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.178.1.3 decaf::security::cert::CertificateExpiredException::CertificateExpiredException (const CertificateExpiredException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.178.1.4 decaf::security::cert::CertificateExpiredException::CertificateExpiredException (const char ∗ *file*, const int *lineNumber*, const char ∗ *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occured.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	name where exception occurs
lineNumber	line number where the exception occurred.

msg	message to report
...	list of primitives that are formatted into the message

6.178.1.5 virtual decaf::security::cert::CertificateExpiredException::~CertificateExpiredException ( ) throw () [inline, virtual]

6.178.2 Member Function Documentation

6.178.2.1 virtual CertificateExpiredException* decaf::security::cert::CertificateExpiredException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A deep copy of this exception.

Reimplemented from **decaf::security::cert::CertificateException** (p. 1120).

The documentation for this class was generated from the following file:

- src/main/decaf/security/cert/**CertificateExpiredException.h**

6.179 decaf::security::cert::CertificateNotYetValidException Class Reference

`#include <src/main/decaf/security/cert/CertificateNotYetValidException.h>`

Inheritance diagram for decaf::security::cert::CertificateNotYetValidException:

Public Member Functions

- **CertificateNotYetValidException** () throw ()

  Default Constructor.

- **CertificateNotYetValidException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **CertificateNotYetValidException** (const **CertificateNotYetValidException** &ex) throw ()

Copy Constructor.

- **CertificateNotYetValidException** (const char *file, const int lineNumber, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occured.

- virtual **CertificateNotYetValidException** * **clone** () const

  Clones this exception.

- virtual ~**CertificateNotYetValidException** () throw ()

6.179.1 Constructor & Destructor Documentation

6.179.1.1 decaf::security::cert::CertificateNotYetValidException::CertificateNotYetValidException ( ) throw () [inline]

Default Constructor.

6.179.1.2 decaf::security::cert::CertificateNotYetValidException::CertificateNotYetValidException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.179.1.3 decaf::security::cert::CertificateNotYetValidException::CertificateNotYetValidException (const CertificateNotYetValidException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.179.1.4 decaf::security::cert::CertificateNotYetValidException::CertificateNotYetValidException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occured.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	name where exception occurs
lineNumber	line number where the exception occurred.
msg	message to report
...	list of primitives that are formatted into the message

6.179.1.5 virtual decaf::security::cert::CertificateNotYetValidException::~CertificateNotYetValidException ( ) throw () [inline, virtual]

6.179.2 Member Function Documentation

6.179.2.1 virtual CertificateNotYetValidException* decaf::security::cert::CertificateNotYetValidException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A deep copy of this exception.

Reimplemented from **decaf::security::cert::CertificateException** (p. 1120).

The documentation for this class was generated from the following file:

- src/main/decaf/security/cert/**CertificateNotYetValidException.h**

6.180 decaf::security::cert::CertificateParsingException Class Reference

`#include <src/main/decaf/security/cert/CertificateParsingException.h>`

Inheritance diagram for decaf::security::cert::CertificateParsingException:

Public Member Functions

- **CertificateParsingException** () throw ()

  Default Constructor.

- **CertificateParsingException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **CertificateParsingException** (const **CertificateParsingException** &ex) throw ()

  Copy Constructor.

- **CertificateParsingException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occured.

- virtual **CertificateParsingException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**CertificateParsingException** () throw ()

6.180.1 Constructor & Destructor Documentation

6.180.1.1 decaf::security::cert::CertificateParsingException::CertificateParsingException ( ) throw () [inline]

Default Constructor.

6.180.1.2 decaf::security::cert::CertificateParsingException::CertificateParsingException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.180.1.3 decaf::security::cert::CertificateParsingException::CertificateParsingException (const **CertificateParsingException** & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.180.1.4 decaf::security::cert::CertificateParsingException::CertificateParsingException (const char ∗ *file,* const int *lineNumber,* const char ∗ *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occured.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	name where exception occurs
lineNumber	line number where the exception occurred.
msg	message to report
...	list of primitives that are formatted into the message

6.180.1.5 virtual decaf::security::cert::CertificateParsingException::~CertificateParsingException ( ) throw () [inline, virtual]

6.180.2 Member Function Documentation

6.180.2.1 virtual CertificateParsingException* decaf::security::cert::CertificateParsingException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A deep copy of this exception.

Reimplemented from **decaf::security::cert::CertificateException** (p. 1120).

The documentation for this class was generated from the following file:

- src/main/decaf/security/cert/**CertificateParsingException.h**

6.181 decaf::lang::Character Class Reference

`#include <src/main/decaf/lang/Character.h>`

Inheritance diagram for decaf::lang::Character:

Public Member Functions

- **Character** (char value)
- virtual int **compareTo** (const **Character** &c) const

  *Compares this **Character** (p. 1126) instance with another.*

- virtual bool **operator==** (const **Character** &c) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const **Character** &c) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- virtual int **compareTo** (const char &c) const

  *Compares this **Character** (p. 1126) instance with a char type.*

- virtual bool **operator==** (const char &c) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const char &c) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- bool **equals** (const **Character** &c) const
- bool **equals** (const char &c) const
- std::string **toString** () const
- virtual double **doubleValue** () const

  Answers the double value which the receiver represents.

- virtual float **floatValue** () const

  Answers the float value which the receiver represents.

- virtual unsigned char **byteValue** () const

  Answers the byte value which the receiver represents.

- virtual short **shortValue** () const

  Answers the short value which the receiver represents.

- virtual int **intValue** () const

  Answers the int value which the receiver represents.

- virtual long long **longValue** () const

  Answers the long value which the receiver represents.

Static Public Member Functions

- static **Character valueOf** (char value)

  *Returns a **Character** (p. 1126) instance representing the specified char value.*

- static bool **isWhitespace** (char c)

  Indicates whether or not the given character is considered whitespace.

- static bool **isDigit** (char c)

Indicates whether or not the given character is a digit.

- static bool **isLowerCase** (char c)

  Indicates whether or not the given character is a lower case character.

- static bool **isUpperCase** (char c)

  Indicates whether or not the given character is a upper case character.

- static bool **isLetter** (char c)

  Indicates whether or not the given character is a letter.

- static bool **isLetterOrDigit** (char c)

  Indicates whether or not the given character is either a letter or a digit.

- static bool **isISOControl** (char c)

  Answers whether the character is an ISO control character, which is a char that lays in the range of 0 to 1f and 7f to 9f.

- static int **digit** (char c, int radix)

  Returns the numeric value of the character ch in the specified radix.

Static Public Attributes

- static const int **MIN_RADIX** = 2

  The minimum radix available for conversion to and from strings.

- static const int **MAX_RADIX** = 36

  The maximum radix available for conversion to and from strings.

- static const char **MIN_VALUE** = (char)0x7F

  The minimum value that a signed char can take on.

- static const char **MAX_VALUE** = (char)0x80

  The maximum value that a signed char can take on.

- static const int **SIZE** = 8

  The size of the primitive charactor in bits.

6.181.1 Constructor & Destructor Documentation

6.181.1.1 decaf::lang::Character::Character (char *value*)

Parameters

value	- char to wrap.

6.181.2 Member Function Documentation

6.181.2.1 virtual unsigned char decaf::lang::Character::byteValue ( ) const [inline, virtual]

Answers the byte value which the receiver represents.

Returns

int the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2919).

6.181.2.2 virtual int decaf::lang::Character::compareTo (const char & *c*) const [inline, virtual]

Compares this **Character** (p. 1126) instance with a char type.

Parameters

c	- the char instance to be compared

Returns

zero if this object represents the same char value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object repesents a value less than the passed in value.

Implements **decaf::lang::Comparable**< **char** > (p. 1249).

6.181.2.3 virtual int decaf::lang::Character::compareTo (const Character & *c*) const [inline, virtual]

Compares this **Character** (p. 1126) instance with another.

Parameters

c	- the **Character** (p. 1126) instance to be compared

Returns

zero if this object represents the same char value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object repesents a value less than the passed in value.

Implements **decaf::lang::Comparable**< **Character** > (p. 1249).

6.181.2.4 static int decaf::lang::Character::digit (char *c*, int *radix*) [static]

Returns the numeric value of the character ch in the specified radix.

If the radix is not in the range MIN_RADIX <= radix <= MAX_RADIX or if the value of ch is not a valid digit in the specified radix, -1 is returned. A character is a valid digit if at least one of the following is true:

∗ The method isDigit is true of the character and the single-character decomposition is less than the specified radix. In this case the decimal digit value is returned. ∗ The character is one of the uppercase Latin letters 'A' through 'Z' and its code is less than radix + 'A' - 10. In this case, ch - 'A' + 10 is returned. ∗ The character is one of the lowercase Latin letters 'a' through 'z' and its code is less than radix + 'a' - 10. In this case, ch - 'a' + 10 is returned.

Parameters

c	- the char to be converted
radix	- the radix of the number

Returns

the numeric value of the number represented in the given radix

6.181.2.5 virtual double decaf::lang::Character::doubleValue ( ) const [inline, virtual]

Answers the double value which the receiver represents.

Returns

double the value of the receiver.

Implements **decaf::lang::Number** (p. 2919).

6.181.2.6 bool decaf::lang::Character::equals (const char & *c*) const [inline, virtual]

Returns

true if the two Characters have the same value.

Implements **decaf::lang::Comparable**< **char** > (p. 1250).

6.181.2.7 bool decaf::lang::Character::equals (const Character & *c*) const [inline, virtual]

Returns

true if the two **Character** (p. 1126) Objects have the same value.

Implements **decaf::lang::Comparable**< **Character** > (p. 1250).

6.181.2.8 virtual float decaf::lang::Character::floatValue ( ) const [inline, virtual]

Answers the float value which the receiver represents.

Returns

float the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.181.2.9 virtual int decaf::lang::Character::intValue ( ) const [inline, virtual]

Answers the int value which the receiver represents.

Returns

int the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.181.2.10 static bool decaf::lang::Character::isDigit (char *c*) [inline, static]

Indicates whether or not the given character is a digit.

6.181.2.11 static bool decaf::lang::Character::isISOControl (char *c*) [inline, static]

Answers whether the character is an ISO control character, which is a char that lays in the range of 0 to 1f and 7f to 9f.

Parameters

c	- the character, including supplementary characters

Returns

true if the char is an ISO control character

6.181.2.12 static bool decaf::lang::Character::isLetter (char *c*) [inline, static]

Indicates whether or not the given character is a letter.

6.181.2.13 static bool decaf::lang::Character::isLetterOrDigit (char *c*) [inline, static]

Indicates whether or not the given character is either a letter or a digit.

6.181.2.14 static bool decaf::lang::Character::isLowerCase (char *c*) [inline, static]

Indicates whether or not the given character is a lower case character.

6.181.2.15 static bool decaf::lang::Character::isUpperCase (char *c*) [inline, static]

Indicates whether or not the given character is a upper case character.

6.181.2.16 static bool decaf::lang::Character::isWhitespace (char *c*) [inline, static]

Indicates whether or not the given character is considered whitespace.

6.181.2.17 virtual long long decaf::lang::Character::longValue ( ) const [inline, virtual]

Answers the long value which the receiver represents.

Returns

long the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.181.2.18 virtual bool decaf::lang::Character::operator< (const Character & *c*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

c	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< Character >** (p. 1250).

6.181.2.19 virtual bool decaf::lang::Character::operator< (const char & *c*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

c	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< char >** (p. 1250).

6.181.2.20 virtual bool decaf::lang::Character::operator== (const Character & *c*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

c	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< Character >** (p. 1250).

6.181.2.21 virtual bool decaf::lang::Character::operator== (const char & *c*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

c	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< char >** (p. 1250).

6.181.2.22 virtual short decaf::lang::Character::shortValue ( ) const [inline, virtual]

Answers the short value which the receiver represents.

Returns

int the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2920).

6.181.2.23 std::string decaf::lang::Character::toString ( ) const

Returns

this **Character** (p. 1126) Object as a **String** (p. 3775) Representation

6.181.2.24 static Character decaf::lang::Character::valueOf (char *value*) [inline, static]

Returns a **Character** (p. 1126) instance representing the specified char value.

Parameters

value	- the primitive char to wrap.

Returns

a new Charactor instance that wraps this value.

6.181.3 Field Documentation

6.181.3.1 const int decaf::lang::Character::MAX_RADIX = 36 [static]

The maximum radix available for conversion to and from strings.

6.181.3.2 const char decaf::lang::Character::MAX_VALUE = (char)0x80 [static]

The maximum value that a signed char can take on.

6.181.3.3 const int decaf::lang::Character::MIN_RADIX = 2 [static]

The minimum radix available for conversion to and from strings.

6.181.3.4 const char decaf::lang::Character::MIN_VALUE = (char)0x7F [static]

The minimum value that a signed char can take on.

6.181.3.5 const int decaf::lang::Character::SIZE = 8 [static]

The size of the primitive charactor in bits.

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Character.h**

6.182 decaf::internal::nio::CharArrayBuffer Class Reference

`#include <src/main/decaf/internal/nio/CharArrayBuffer.h>`

Inheritance diagram for decaf::internal::nio::CharArrayBuffer:

Public Member Functions

- **CharArrayBuffer** (int size, bool **readOnly**=false) throw (decaf::lang::exceptions::IllegalArgumentException)

  *Creates a **CharArrayBuffer** (p. 1135) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.*

- **CharArrayBuffer** (char *array, int size, int **offset**, int **length**, bool **readOnly**=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  *Creates a **CharArrayBuffer** (p. 1135) object that wraps the given array.*

- **CharArrayBuffer** (const **decaf::lang::Pointer**< **ByteArrayAdapter** > &array, int **offset**, int **length**, bool **readOnly**=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

- **CharArrayBuffer** (const **CharArrayBuffer** &other)

  *Create a **CharArrayBuffer** (p. 1135) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.*

- virtual ~**CharArrayBuffer** ()
- virtual char * **array** () throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException)

Returns the character array that backs this buffer (optional operation).
Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.
Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

*the array that backs this **Buffer** (p. 936).*

Exceptions

ReadOnlyBufferException (p. 3260)	*if this **Buffer** (p. 936) is read only.*
UnsupportedOperationException	*if the underlying store has no array.*

- virtual int **arrayOffset** () throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException)

  Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).
  Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

  Returns

  The offset into the backing array where index zero starts.

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this **Buffer** (p. 936) is read only.*
UnsupportedOperationException	*if the underlying store has no array.*

- virtual CharBuffer ∗ **asReadOnlyBuffer** () const

  Creates a new, read-only char buffer that shares this buffer's content.
  The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.
  If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.
  The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

  Returns

  The new, read-only char buffer which the caller then owns.

- virtual CharBuffer & **compact** () throw (decaf::nio::ReadOnlyBufferException)

  Compacts this buffer.
  *The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to*

index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index ***limit()*** *(p. 940) - 1 is copied to index n =* ***limit()*** *(p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.*
The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this ***CharBuffer*** *(p. 1148).*

Exceptions

ReadOnlyBufferException (p. 3260)	*- If this buffer is read-only*

- virtual CharBuffer ∗ **duplicate** ()

Creates a new char buffer that shares this buffer's content.
The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new char ***Buffer*** *(p. 936) which the caller owns.*

- virtual char **get** () throw (decaf::nio::BufferUnderflowException)

Relative get method.
Reads the character at this buffer's current position, and then increments the position.

Returns

the char at the current position.

Exceptions

BufferUnderflowException (p. 967)	*if there no more data to return*

- virtual char **get** (int index) const throw (lang::exceptions::IndexOutOfBoundsException)

Absolute get method.
Reads the char at the given index.

Parameters

index	*The index in the* ***Buffer*** *(p. 936) where the char is to be read.*

Returns

the char that is located at the given index.

Exceptions

IndexOutOfBoundsException	*if index is not smaller than the buffer's limit or is negative.*

- virtual bool **hasArray** () const

  Tells whether or not this buffer is backed by an accessible char array.
  If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.
  Returns

  true if, and only if, this buffer is backed by an array and is not read-only

- virtual bool **isReadOnly** () const

  Tells whether or not this buffer is read-only.
  Returns

  true if, and only if, this buffer is read-only.

- virtual CharBuffer & **put** (char value) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException)

  Writes the given char into this buffer at the current position, and then increments the position.
  Parameters

value	*The char value to be written.*

  Returns

  a reference to this buffer.
  Exceptions

BufferOverflowException (p. 964)	*if this buffer's current position is not smaller than its limit*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual CharBuffer & **put** (int index, char value) throw (decaf::lang::exceptions::IndexOutOfBoundsExcep decaf::nio::ReadOnlyBufferException)

  Writes the given char into this buffer at the given index.
  Parameters

index	*The position in the **Buffer** (p. 936) to write the data.*
value	*The char to write.*

  Returns

  a reference to this buffer.
  Exceptions

IndexOutOfBoundsException	*if index greater than the buffer's limit minus the size of the type being written, or index is negative.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual CharBuffer ∗ **slice** () const

  *Creates a new **CharBuffer** (p. 1148) whose content is a shared subsequence of this buffer's content.*
  The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

  Returns

  *the newly create **CharBuffer** (p. 1148) which the caller owns.*

- virtual **lang::CharSequence** ∗ **subSequence** (int start, int end) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a new character buffer that represents the specified subsequence of this buffer, relative to the current position.
  *The new buffer will share this buffer's content; that is, if the content of this buffer is mutable then modifications to one buffer will cause the other to be modified. The new buffer's capacity will be that of this buffer, its position will be **position()** (p. 941) + start, and its limit will be **position()** (p. 941) + end. The new **Buffer** (p. 936) will be read-only if, and only if, this buffer is read-only.*

  Parameters

start	*The index, relative to the current position, of the first character in the subsequence; must be non-negative and no larger than **remaining()** (p. 941).*
end	*The index, relative to the current position, of the character following the last character in the subsequence; must be no smaller than start and no larger than **remaining()** (p. 941).*

  Returns

  The new character buffer, caller owns.

  Exceptions

IndexOutOfBoundsException	*if the preconditions on start and end fail.*

Protected Member Functions

- virtual void **setReadOnly** (bool value)

  *Sets this **CharArrayBuffer** (p. 1135) as Read-Only.*

Protected Attributes

- bool **readOnly**
- **decaf::lang::Pointer**< **ByteArrayAdapter** > **_array**
- int **offset**

- int **length**

6.182.1 Constructor & Destructor Documentation

6.182.1.1 decaf::internal::nio::CharArrayBuffer::CharArrayBuffer (int *size*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::IllegalArgumentException)

Creates a **CharArrayBuffer** (p. 1135) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

size	The size of the array, this is the limit we read and write to.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

IllegalArguementException	if the capacity value is negative.

6.182.1.2 decaf::internal::nio::CharArrayBuffer::CharArrayBuffer (char * *array*, int *size*, int *offset*, int *length*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a **CharArrayBuffer** (p. 1135) object that wraps the given array.

If the own flag is set then it will delete this array when this object is deleted.

Parameters

array	The actual array to wrap.
size	The size of the given array.
offset	The position that is this buffers start position.
length	The limit of how many bytes into the array this Buffer can write.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if offset is greater than array capacity.

6.182.1.3 decaf::internal::nio::CharArrayBuffer::CharArrayBuffer (const decaf::lang::Pointer< ByteArrayAdapter > & *array*, int *offset*, int *length*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

The capacity and limit of the new **CharArrayBuffer** (p. 1135) will be that of the remaining capacity of the passed buffer.

Parameters

array	The ByteArrayAdapter to wrap.
offset	The position that is this buffers start position.
length	The limit of how many bytes into the array this Buffer can write.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

NullPointerException	if array is NULL
IndexOutOfBoundsException	if offset + length is greater than array size.

6.182.1.4 decaf::internal::nio::CharArrayBuffer::CharArrayBuffer (const CharArrayBuffer & *other*)

Create a **CharArrayBuffer** (p. 1135) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.

Parameters

other	The **CharArrayBuffer** (p. 1135) this one is to mirror.

6.182.1.5 virtual decaf::internal::nio::CharArrayBuffer::~CharArrayBuffer ( ) `[virtual]`

6.182.2 Member Function Documentation

6.182.2.1 virtual char* decaf::internal::nio::CharArrayBuffer::array ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException) `[virtual]`

Returns the character array that backs this buffer (optional operation).

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

the array that backs this **Buffer** (p. 936).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implements **decaf::nio::CharBuffer** (p. 1154).

6.182.2.2 virtual int decaf::internal::nio::CharArrayBuffer::arrayOffset ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException) [virtual]

Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset into the backing array where index zero starts.

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implements **decaf::nio::CharBuffer** (p. 1155).

6.182.2.3 virtual CharBuffer* decaf::internal::nio::CharArrayBuffer::asReadOnlyBuffer ( ) const [virtual]

Creates a new, read-only char buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only char buffer which the caller then owns.

Implements **decaf::nio::CharBuffer** (p. 1155).

6.182.2.4 virtual CharBuffer& decaf::internal::nio::CharArrayBuffer::compact ( ) throw (decaf::nio::ReadOnlyBufferException) [virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **CharBuffer** (p. 1148).

Exceptions

ReadOnlyBufferException *(p. 3260)*	- If this buffer is read-only

Implements **decaf::nio::CharBuffer** (p. 1156).

6.182.2.5 virtual CharBuffer* decaf::internal::nio::CharArrayBuffer::duplicate ( ) [virtual]

Creates a new char buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new char **Buffer** (p. 936) which the caller owns.

Implements **decaf::nio::CharBuffer** (p. 1157).

6.182.2.6 virtual char decaf::internal::nio::CharArrayBuffer::get ( ) throw (decaf::nio::BufferUnderflowException) [virtual]

Relative get method.

Reads the character at this buffer's current position, and then increments the position.

Returns

the char at the current position.

Exceptions

BufferUnderflowException *(p. 967)*	if there no more data to return

Implements **decaf::nio::CharBuffer** (p. 1157).

6.182.2.7 virtual char decaf::internal::nio::CharArrayBuffer::get (int *index*) const throw (lang::exceptions::IndexOutOfBoundsException) [virtual]

Absolute get method.

Reads the char at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the char is to be read.

Returns

the char that is located at the given index.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit or is negative.

Implements **decaf::nio::CharBuffer** (p. 1157).

6.182.2.8 virtual bool decaf::internal::nio::CharArrayBuffer::hasArray ( ) const [inline, virtual]

Tells whether or not this buffer is backed by an accessible char array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only

Implements **decaf::nio::CharBuffer** (p. 1159).

6.182.2.9 virtual bool decaf::internal::nio::CharArrayBuffer::isReadOnly ( ) const [inline, virtual]

Tells whether or not this buffer is read-only.

Returns

true if, and only if, this buffer is read-only.

Implements **decaf::nio::Buffer** (p. 940).

6.182.2.10 virtual CharBuffer& decaf::internal::nio::CharArrayBuffer::put (char *value*) throw (**decaf::nio::BufferOverflowException**, **decaf::nio::ReadOnlyBufferException**) [virtual]

Writes the given char into this buffer at the current position, and then increments the position.

Parameters

value	The char value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if this buffer's current position is not smaller than its limit
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::CharBuffer** (p. 1161).

6.182.2.11 virtual CharBuffer& decaf::internal::nio::CharArrayBuffer::put (int *index*, char *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes the given char into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The char to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implements **decaf::nio::CharBuffer** (p. 1162).

6.182.2.12 virtual void decaf::internal::nio::CharArrayBuffer::setReadOnly (bool *value*) [inline, protected, virtual]

Sets this **CharArrayBuffer** (p. 1135) as Read-Only.

Parameters

value	Boolean value, true if this buffer is to be read-only, false otherwise.

6.182.2.13 virtual CharBuffer* decaf::internal::nio::CharArrayBuffer::slice ( ) const [virtual]

Creates a new **CharBuffer** (p. 1148) whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **CharBuffer** (p. 1148) which the caller owns.

Implements **decaf::nio::CharBuffer** (p. 1164).

6.182.2.14 virtual lang::CharSequence* decaf::internal::nio::CharArrayBuffer::subSequence (int *start*, int *end*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Creates a new character buffer that represents the specified subsequence of this buffer, relative to the current position.

The new buffer will share this buffer's content; that is, if the content of this buffer is mutable then modifications to one buffer will cause the other to be modified. The new buffer's capacity will be that of this buffer, its position will be **position()** (p. 941) + start, and its limit will be **position()** (p. 941) + end. The new **Buffer** (p. 936) will be read-only if, and only if, this buffer is read-only.

Parameters

start	The index, relative to the current position, of the first character in the subsequence; must be non-negative and no larger than **remaining()** (p. 941).
end	The index, relative to the current position, of the character following the last character in the subsequence; must be no smaller than start and no larger than **remaining()** (p. 941).

Returns

The new character buffer, caller owns.

Exceptions

IndexOutOfBoundsException	if the preconditions on start and end fail.

Implements **decaf::nio::CharBuffer** (p. 1165).

6.182.3 Field Documentation

6.182.3.1 decaf::lang::Pointer<ByteArrayAdapter> decaf::internal::nio::CharArrayBuffer::_array [protected]

6.182.3.2 int decaf::internal::nio::CharArrayBuffer::length [protected]

6.182.3.3 int decaf::internal::nio::CharArrayBuffer::offset [protected]

6.182.3.4 bool decaf::internal::nio::CharArrayBuffer::readOnly [protected]

The documentation for this class was generated from the following file:

- src/main/decaf/internal/nio/**CharArrayBuffer.h**

6.183 decaf::nio::CharBuffer Class Reference

This class defines four categories of operations upon character buffers:

`#include <src/main/decaf/nio/CharBuffer.h>`

Inheritance diagram for decaf::nio::CharBuffer:

Public Member Functions

- virtual ~**CharBuffer** ()
- virtual std::string **toString** () const
- **CharBuffer** & **append** (char value) throw (BufferOverflowException, ReadOnlyBufferException)

  Appends the specified character to this buffer.

- **CharBuffer** & **append** (const **lang::CharSequence** *value) throw (BufferOverflowException, ReadOnlyBufferException)

  Appends the specified character sequence to this buffer.

- **CharBuffer** & **append** (const **lang::CharSequence** *value, int start, int end) throw (decaf::lang::exceptions::IndexOutOfBoundsException, BufferOverflowException, ReadOnlyBufferException)

  Appends a subsequence of the specified character sequence to this buffer If value is Null the the string "null" is appended to the buffer.

- virtual char * **array** ()=0 throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException)

  Returns the character array that backs this buffer (optional operation).

- virtual int **arrayOffset** ()=0 throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException)

  Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

- virtual **CharBuffer** ∗ **asReadOnlyBuffer** () const =0

  Creates a new, read-only char buffer that shares this buffer's content.

- char **charAt** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads the character at the given index relative to the current position.

- virtual **CharBuffer** & **compact** ()=0 throw (ReadOnlyBufferException)

  Compacts this buffer.

- virtual **CharBuffer** ∗ **duplicate** ()=0

  Creates a new char buffer that shares this buffer's content.

- virtual char **get** ()=0 throw (BufferUnderflowException)

  Relative get method.

- virtual char **get** (int index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Absolute get method.

- **CharBuffer** & **get** (std::vector< char > buffer) throw (BufferUnderflowException)

  Relative bulk get method.

- **CharBuffer** & **get** (char ∗buffer, int size, int offset, int length) throw (BufferUnderflowException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsExcepti)

  Relative bulk get method.

- virtual bool **hasArray** () const =0

  Tells whether or not this buffer is backed by an accessible char array.

- int **length** () const

  Returns the length of this character buffer.

- **CharBuffer** & **put** (**CharBuffer** &src) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IllegalArgumentException)

  This method transfers the chars remaining in the given source buffer into this buffer.

- **CharBuffer** & **put** (const char ∗buffer, int size, int offset, int length) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

This method transfers chars into this buffer from the given source array.

- **CharBuffer** & **put** (std::vector< char > &buffer) throw (BufferOverflowException, ReadOnlyBufferException)

  This method transfers the entire content of the given source char array into this buffer.

- virtual **CharBuffer** & **put** (char value)=0 throw (BufferOverflowException, ReadOnlyBufferException)

  Writes the given char into this buffer at the current position, and then increments the position.

- virtual **CharBuffer** & **put** (int index, char value)=0 throw (decaf::lang::exceptions::IndexOutOfBoundsEx ReadOnlyBufferException)

  Writes the given char into this buffer at the given index.

- **CharBuffer** & **put** (std::string &src, int start, int end) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Relative bulk put method (optional operation).

- **CharBuffer** & **put** (const std::string &src) throw (BufferOverflowException, ReadOnlyBufferException)

  Relative bulk put method (optional operation).

- virtual int **read** (**CharBuffer** *target) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, ReadOnlyBufferException)

  Attempts to read characters into the specified character buffer.

- virtual **lang::CharSequence** * **subSequence** (int start, int end) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a new character buffer that represents the specified subsequence of this buffer, relative to the current position.

- virtual **CharBuffer** * **slice** () const =0

  *Creates a new **CharBuffer** (p. 1148) whose content is a shared subsequence of this buffer's content.*

- virtual int **compareTo** (const **CharBuffer** &value) const

- virtual bool **equals** (const **CharBuffer** &value) const

- virtual bool **operator==** (const **CharBuffer** &value) const

- virtual bool **operator**< (const **CharBuffer** &value) const

Static Public Member Functions

- static **CharBuffer** ∗ **allocate** (int capacity) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Allocates a new character buffer.

- static **CharBuffer** ∗ **wrap** (char ∗array, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  *Wraps the passed buffer with a new **CharBuffer** (p. 1148).*

- static **CharBuffer** ∗ **wrap** (std::vector< char > &buffer)

  *Wraps the passed STL char Vector in a **CharBuffer** (p. 1148).*

Protected Member Functions

- **CharBuffer** (int capacity) throw (decaf::lang::exceptions::IllegalArgumentException)

  *Creates a **CharBuffer** (p. 1148) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.*

6.183.1 Detailed Description

This class defines four categories of operations upon character buffers: o Absolute and relative get and put methods that read and write single characters; o Relative bulk get methods that transfer contiguous sequences of characters from this buffer into an array; and o Relative bulk put methods that transfer contiguous sequences of characters from a character array, a string, or some other character buffer into this buffer. o Methods for compacting, duplicating, and slicing a character buffer.

Character buffers can be created either by allocation, which allocates space for the buffer's content, by wrapping an existing character array or string into a buffer, or by creating a view of an existing byte buffer

This class implements the CharSequence interface so that character buffers may be used wherever character sequences are accepted, for example in the regular-expression package decaf.util.regex.

Methods in this class that do not otherwise have a value to return are specified to return the buffer upon which they are invoked. This allows method invocations to be chained. The sequence of statements

cb.put("text/"); cb.put(subtype); cb.put("; charset="); cb.put(enc);

can, for example, be replaced by the single statement

cb.put("text/").put(subtype).put("; charset=").put(enc);

6.183.2 Constructor & Destructor Documentation

6.183.2.1 decaf::nio::CharBuffer::CharBuffer (int *capacity*) throw (decaf::lang::exceptions::IllegalArgumentException) [protected]

Creates a **CharBuffer** (p. 1148) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

capacity	The size of the array, this is the limit we read and write to.

Exceptions

IllegalArguementException	if capacity is negative.

6.183.2.2 virtual decaf::nio::CharBuffer::~CharBuffer ( ) [inline, virtual]

6.183.3 Member Function Documentation

6.183.3.1 static CharBuffer* decaf::nio::CharBuffer::allocate (int *capacity*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Allocates a new character buffer.

The new buffer's position will be zero, its limit will be its capacity, and its mark will be undefined. It will have a backing array, and its array offset will be zero.

Parameters

capacity	The size of the Char buffer in chars (1 byte).

Returns

the **CharBuffer** (p. 1148) that was allocated, caller owns.

Exceptions

IndexOutOfBoundsException	if capacity is negative.

6.183.3.2 CharBuffer& decaf::nio::CharBuffer::append (const lang::CharSequence * *value*, int *start*, int *end*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, BufferOverflowException, ReadOnlyBufferException) [virtual]

Appends a subsequence of the specified character sequence to this buffer If value is Null the the string "null" is appended to the buffer.

Parameters

value	The CharSequence to append.
start	The index to start appending from.
end	The index to append to.

Returns

a reference to this modified **CharBuffer** (p. 1148).

Exceptions

BufferOverflowException (p. *964*)	if there is no more space
ReadOnlyBufferException (p. *3260*)	if this **Buffer** (p. 936) is read only.
IndexOutOfBoundsException	if start > end, or > length of sequence.

Implements **decaf::lang::Appendable** (p. 734).

6.183.3.3 CharBuffer& decaf::nio::CharBuffer::append (char *value*) throw (BufferOverflowException, ReadOnlyBufferException) [virtual]

Appends the specified character to this buffer.

Parameters

value	The char to append.

Returns

a reference to this modified **CharBuffer** (p. 1148).

Exceptions

BufferOverflowException (p. *964*)	if there is no more space
ReadOnlyBufferException (p. *3260*)	if this **Buffer** (p. 936) is read only.

Implements **decaf::lang::Appendable** (p. 734).

6.183.3.4 CharBuffer& decaf::nio::CharBuffer::append (const lang::CharSequence * *value*) throw (BufferOverflowException, ReadOnlyBufferException) [virtual]

Appends the specified character sequence to this buffer.

If value is Null the the string "null" is appended to the buffer.

Parameters

value	The CharSequence to append.

Returns

a reference to this modified **CharBuffer** (p. 1148)

Exceptions

BufferOverflowException *(p. 964)*	if there is no more space
ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.

Implements **decaf::lang::Appendable** (p. 735).

6.183.3.5 virtual char* decaf::nio::CharBuffer::array ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException) [pure virtual]

Returns the character array that backs this buffer (optional operation).

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

the array that backs this **Buffer** (p. 936).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implemented in **decaf::internal::nio::CharArrayBuffer** (p. 1141).

6.183.3.6 virtual int decaf::nio::CharBuffer::arrayOffset ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException) [pure virtual]

Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset into the backing array where index zero starts.

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implemented in **decaf::internal::nio::CharArrayBuffer** (p. 1142).

6.183.3.7 virtual CharBuffer* decaf::nio::CharBuffer::asReadOnlyBuffer ( ) const [pure virtual]

Creates a new, read-only char buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only char buffer which the caller then owns.

Implemented in **decaf::internal::nio::CharArrayBuffer** (p. 1142).

6.183.3.8 char decaf::nio::CharBuffer::charAt (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads the character at the given index relative to the current position.

Parameters

index	- The index of the character to be read relative to position

Returns

The character at index **position()** (p. 941) + index.

Exceptions

IndexOutOfBoundsException	if the index + the current position exceeds the size of the buffer or the index is negative.

Implements **decaf::lang::CharSequence** (p. 1168).

6.183.3.9 virtual CharBuffer& decaf::nio::CharBuffer::compact ( ) throw (ReadOnlyBufferException) [pure virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **CharBuffer** (p. 1148).

Exceptions

ReadOnlyBufferException (p. *3260*)	- If this buffer is read-only

Implemented in **decaf::internal::nio::CharArrayBuffer** (p. 1143).

6.183.3.10 virtual int decaf::nio::CharBuffer::compareTo (const CharBuffer & *value*) const [virtual]

6.183.3.11 virtual CharBuffer* decaf::nio::CharBuffer::duplicate ( ) [pure virtual]

Creates a new char buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new char **Buffer** (p. 936) which the caller owns.

Implemented in **decaf::internal::nio::CharArrayBuffer** (p. 1143).

6.183.3.12 virtual bool decaf::nio::CharBuffer::equals (const CharBuffer & *value*) const [virtual]

6.183.3.13 virtual char decaf::nio::CharBuffer::get ( ) throw (BufferUnderflowException) [pure virtual]

Relative get method.

Reads the character at this buffer's current position, and then increments the position.

Returns

the char at the current position.

Exceptions

BufferUnderflowException *(p. 967)*	if there no more data to return

Implemented in **decaf::internal::nio::CharArrayBuffer** (p. 1144).

6.183.3.14 virtual char decaf::nio::CharBuffer::get (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Absolute get method.

Reads the char at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the char is to be read.

Returns

the char that is located at the given index.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit or is negative.

Implemented in **decaf::internal::nio::CharArrayBuffer** (p. 1144).

6.183.3.15 CharBuffer& decaf::nio::CharBuffer::get (std::vector< char > *buffer*) throw (BufferUnderflowException)

Relative bulk get method.

This method transfers chars from this buffer into the given destination vector. An invocation of this method of the form src.get(a) behaves in exactly the same way as the invocation. The vector must be sized to the amount of data that is to be read, that is to say, the caller should call buffer.resize(N) before calling this get method.

Returns

a reference to this **CharBuffer** (p. 1148).

Exceptions

BufferUnderflowException *(p. 967)*	if there are fewer than length chars remaining in this buffer.

6.183.3.16 CharBuffer& decaf::nio::CharBuffer::get (char * *buffer,* int *size,* int *offset,* int *length*) throw (BufferUnderflowException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Relative bulk get method.

This method transfers chars from this buffer into the given destination array. If there are fewer chars remaining in the buffer than are required to satisfy the request, that is, if length > **remaining()** (p. 941), then no bytes are transferred and a **BufferUnderflowException** (p. 967) is thrown.

Otherwise, this method copies length chars from this buffer into the given array, starting at the current position of this buffer and at the given offset in the array. The position of this buffer is then incremented by length.

Parameters

buffer	The pointer to an allocated buffer to fill.
size	The size of the buffer passed.
offset	The position in the buffer to start filling.
length	The amount of data to put in the passed buffer.

Returns

a reference to this **Buffer** (p. 936).

Exceptions

BufferUnderflowException *(p. 967)*	if there are fewer than length chars remaining in this buffer
NullPointerException	if the passed buffer is null.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.183.3.17 virtual bool decaf::nio::CharBuffer::hasArray ( ) const [pure virtual]

Tells whether or not this buffer is backed by an accessible char array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only

Implemented in **decaf::internal::nio::CharArrayBuffer** (p. 1145).

6.183.3.18 int decaf::nio::CharBuffer::length ( ) const [inline, virtual]

Returns the length of this character buffer.

Returns

the length of this buffer from the position to the limit.

Implements **decaf::lang::CharSequence** (p. 1168).

6.183.3.19 virtual bool decaf::nio::CharBuffer::operator< (const CharBuffer & *value*) const [virtual]

6.183.3.20 virtual bool decaf::nio::CharBuffer::operator== (const CharBuffer & *value*) const [virtual]

6.183.3.21 CharBuffer& decaf::nio::CharBuffer::put (CharBuffer & *src*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IllegalArgumentException)

This method transfers the chars remaining in the given source buffer into this buffer.

If there are more chars remaining in the source buffer than in this buffer, that is, if src.remaining() > **remaining()** (p. 941), then no chars are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies n = src.remaining() chars from the given buffer into this buffer, starting at each buffer's current position. The positions of both buffers are then incremented by n.

Parameters

src	- the buffer to take chars from an place in this one.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer for the remaining chars in the source buffer.
IllegalArgumentException	if the source buffer is this buffer.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

6.183.3.22 CharBuffer& decaf::nio::CharBuffer::put (const char * *buffer,* int *size,* int *offset,* int *length*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

This method transfers chars into this buffer from the given source array.

If there are more chars to be copied from the array than remain in this buffer, that is, if length > **remaining()** (p. 941), then no chars are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies length bytes from the given array into this buffer, starting at the given offset in the array and at the current position of this buffer. The position of

this buffer is then incremented by length.

Parameters

buffer	The array from which chars are to be read.
size	The size of the buffer passed.
offset	The offset within the array of the first char to be read.
length	The number of chars to be read from the given array.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only
NullPointerException	if the passed buffer is null.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.183.3.23 virtual CharBuffer& decaf::nio::CharBuffer::put (char *value*) throw (BufferOverflowException, ReadOnlyBufferException) [pure virtual]

Writes the given char into this buffer at the current position, and then increments the position.

Parameters

value	The char value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if this buffer's current position is not smaller than its limit
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::CharArrayBuffer** (p. 1145).

6.183.3.24 virtual CharBuffer& decaf::nio::CharBuffer::put (int *index*, char *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException) [pure virtual]

Writes the given char into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The char to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implemented in **decaf::internal::nio::CharArrayBuffer** (p. 1146).

6.183.3.25 CharBuffer& decaf::nio::CharBuffer::put (std::string & *src*, int *start*, int *end*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsException)

Relative bulk put method (optional operation).

This method transfers characters from the given string into this buffer. If there are more characters to be copied from the string than remain in this buffer, that is, if end - start > **remaining()** (p. 941), then no characters are transferred and a **BufferOverflowException** (p. 964) is thrown.

Returns

a reference to this buffer

Otherwise, this method copies n = end - start characters from the given string into this buffer, starting at the given start index and at the current position of this buffer. The position of this buffer is then incremented by n.

Parameters

src	The string to copy from.
start	The position in src to start from.
end	The position in src to stop at.

Returns

a reference to this **CharBuffer** (p. 1148).

Exceptions

BufferOverflowException (p. *964*)	if this buffer's current position is not
IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

6.183.3.26 CharBuffer& decaf::nio::CharBuffer::put (const std::string & *src*) throw (BufferOverflowException, ReadOnlyBufferException)

Relative bulk put method (optional operation).

This method transfers the entire content of the given source string into this buffer. An invocation of this method of the form dst.put(s) behaves in exactly the same way as the invocation.

Parameters

src	The string to copy from.

Returns

a reference to this **CharBuffer** (p. 1148).

Exceptions

BufferOverflowException (p. *964*)	if this buffer's current position is not.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

6.183.3.27 CharBuffer& decaf::nio::CharBuffer::put (std::vector< char > & *buffer*) throw (BufferOverflowException, ReadOnlyBufferException)

This method transfers the entire content of the given source char array into this buffer.

This is the same as calling put(&buffer[0], 0, buffer.size().

Parameters

buffer	The buffer whose contents are copied to this **CharBuffer** (p. 1148).

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

6.183.3.28 virtual int decaf::nio::CharBuffer::read (CharBuffer * *target*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, ReadOnlyBufferException) [virtual]

Attempts to read characters into the specified character buffer.

The buffer is used as a repository of characters as-is: the only changes made are the results of a put operation. No flipping or rewinding of the buffer is performed.

Parameters

target	The buffer to read characters into

Returns

The number of characters added to the buffer, or string::npos if this source of characters is at its end

Exceptions

NullPointerException	if target is Null.
IllegalArgumentException	if target is this **CharBuffer** (p. 1148).
ReadOnlyBufferException (p. *3260*)	if this buffer is in read-only mode.

6.183.3.29 virtual CharBuffer* decaf::nio::CharBuffer::slice ( ) const [pure virtual]

Creates a new **CharBuffer** (p. 1148) whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers'

position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **CharBuffer** (p. 1148) which the caller owns.

Implemented in **decaf::internal::nio::CharArrayBuffer** (p. 1146).

6.183.3.30 virtual lang::CharSequence* decaf::nio::CharBuffer::subSequence (int *start,* int *end*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Creates a new character buffer that represents the specified subsequence of this buffer, relative to the current position.

The new buffer will share this buffer's content; that is, if the content of this buffer is mutable then modifications to one buffer will cause the other to be modified. The new buffer's capacity will be that of this buffer, its position will be **position()** (p. 941) + start, and its limit will be **position()** (p. 941) + end. The new **Buffer** (p. 936) will be read-only if, and only if, this buffer is read-only.

Parameters

start	The index, relative to the current position, of the first character in the subsequence; must be non-negative and no larger than **remaining()** (p. 941).
end	The index, relative to the current position, of the character following the last character in the subsequence; must be no smaller than start and no larger than **remaining()** (p. 941).

Returns

The new character buffer, caller owns.

Exceptions

IndexOutOfBoundsException	if the preconditions on start and end fail.

Implements **decaf::lang::CharSequence** (p. 1168).

Implemented in **decaf::internal::nio::CharArrayBuffer** (p. 1147).

6.183.3.31 virtual std::string decaf::nio::CharBuffer::toString ( ) const [virtual]

Returns

a std::string describing this object

Implements **decaf::lang::CharSequence** (p. 1169).

6.183.3.32 static CharBuffer* decaf::nio::CharBuffer::wrap (char * *array*, int *size*, int *offset*, int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new **CharBuffer** (p. 1148).

The new buffer will be backed by the given char array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array.length, its position will be offset, its limit will be offset + length, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

array	The array that will back the new buffer.
size	The size of the array passed in.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new **CharBuffer** (p. 1148) that is backed by buffer, caller owns.

Exceptions

NullPointerException	if the array pointer is Null.
IndexOutOfBoundsException	if capacity is negative.

6.183.3.33 static CharBuffer* decaf::nio::CharBuffer::wrap (std::vector< char > & *buffer*) [static]

Wraps the passed STL char Vector in a **CharBuffer** (p. 1148).

The new buffer will be backed by the given char array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new **CharBuffer** (p. 1148) that is backed by buffer, caller owns.

The documentation for this class was generated from the following file:

- src/main/decaf/nio/**CharBuffer.h**

6.184 decaf::lang::CharSequence Class Reference

A **CharSequence** (p. 1167) is a readable sequence of char values.

`#include <src/main/decaf/lang/CharSequence.h>`

Inheritance diagram for decaf::lang::CharSequence:

Public Member Functions

- virtual ∼**CharSequence** ()
- virtual int **length** () const =0
- virtual char **charAt** (int index) const =0 throw (lang::exceptions::IndexOutOfBoundsException)

  Returns the Char at the specified index so long as the index is not greater than the length of the sequence.

- virtual **CharSequence** ∗ **subSequence** (int start, int end) const =0 throw (lang::exceptions::IndexOutOfBoundsExcepti)

  *Returns a new **CharSequence** (p. 1167) that is a subsequence of this sequence.*

- virtual std::string **toString** () const =0

6.184.1 Detailed Description

A **CharSequence** (p. 1167) is a readable sequence of char values. This interface provides uniform, read-only access to many different kinds of char sequences.

This interface does not define that a **CharSequence** (p. 1167) should implement comparable, it is therefore up to the dervied classes that implement this interface to define equality, which implies that comparison of two CharSequences does not have a contract on equality.

6.184.2 Constructor & Destructor Documentation

6.184.2.1 virtual decaf::lang::CharSequence::~CharSequence ( ) [inline, virtual]

6.184.3 Member Function Documentation

6.184.3.1 virtual char decaf::lang::CharSequence::charAt (int *index*) const throw (lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Returns the Char at the specified index so long as the index is not greater than the length of the sequence.

Parameters

index	- position to return the char at.

Returns

the char at the given position

Exceptions

IndexOutOfBoundsException	if index is > than **length()** (p. 1168) or negative

Implemented in **decaf::lang::String** (p. 3777), and **decaf::nio::CharBuffer** (p. 1156).

6.184.3.2 virtual int decaf::lang::CharSequence::length ( ) const [pure virtual]

Returns

the length of the underlying character sequence.

Implemented in **decaf::lang::String** (p. 3778), and **decaf::nio::CharBuffer** (p. 1159).

6.184.3.3 virtual CharSequence* decaf::lang::CharSequence::subSequence (int *start*, int *end*) const throw (lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Returns a new **CharSequence** (p. 1167) that is a subsequence of this sequence.

The subsequence starts with the char value at the specified index and ends with the char value at index end - 1. The length (in chars) of the returned sequence is end - start, so if start == end then an empty sequence is returned.

Parameters

start	- the start index, inclusive
end	- the end index, exclusive

Returns

a new **CharSequence** (p. 1167)

Exceptions

IndexOutOfBoundsException	if start or end > **length()** (p. 1168) or start or end are negative.

Implemented in **decaf::internal::nio::CharArrayBuffer** (p. 1147), **decaf::lang::String** (p. 3778), and **decaf::nio::CharBuffer** (p. 1165).

6.184.3.4 virtual std::string decaf::lang::CharSequence::toString ( ) const [pure virtual]

Returns

the string representation of this **CharSequence** (p. 1167)

Implemented in **decaf::lang::String** (p. 3778), and **decaf::nio::CharBuffer** (p. 1165).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**CharSequence.h**

6.185 decaf::util::zip::CheckedInputStream Class Reference

An implementation of a FilterInputStream that will maintain a **Checksum** (p. 1174) of the bytes read, the **Checksum** (p. 1174) can then be used to verify the integrity of the input stream.

`#include <src/main/decaf/util/zip/CheckedInputStream.h>`

Inheritance diagram for decaf::util::zip::CheckedInputStream:

Public Member Functions

- **CheckedInputStream** (InputStream ∗**inputStream**, **Checksum** ∗sum, bool **own**=false)

  *Create a new instance of a **CheckedInputStream** (p. 1169).*

- virtual ∼**CheckedInputStream** ()
- **Checksum** ∗ **getChecksum** () const

  *Returns a Pointer to the **Checksum** (p. 1174) that is in use by this **CheckedInputStream** (p. 1169).*

- virtual long long **skip** (long long num) throw (decaf::io::IOException)

Skips over and discards n bytes of data from this input stream.
The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.
*The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached. Subclasses are encouraged to provide a more efficient implementation of this method.*

Parameters

num	*The number of bytes to skip.*

Returns

total bytes skipped

Exceptions

IOException (p. 2210)	*if an I/O error occurs.*
UnsupportedOperationException	*if the concrete stream class does not support skipping bytes.*

Protected Member Functions

- virtual int **doReadByte** () throw (decaf::io::IOException)
- virtual int **doReadArrayBounded** (unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

6.185.1 Detailed Description

An implementation of a FilterInputStream that will maintain a **Checksum** (p. 1174) of the bytes read, the **Checksum** (p. 1174) can then be used to verify the integrity of the input stream.

Since

1.0

6.185.2 Constructor & Destructor Documentation

6.185.2.1 decaf::util::zip::CheckedInputStream::CheckedInputStream (InputStream ∗ *inputStream,* Checksum ∗ *sum,* bool *own* = `false`)

Create a new instance of a **CheckedInputStream** (p. 1169).

Parameters

inputStream	The InputStream instance to Wrap.
sum	The **Checksum** (p. 1174) instance to use (does not take ownership of the Pointer).
own	Indicates if this filer should take ownership of the InputStream.

Exceptions

NullPointerException	if the **Checksum** (p. 1174) pointer is NULL.

6.185.2.2 virtual decaf::util::zip::CheckedInputStream::~CheckedInputStream ( ) [virtual]

6.185.3 Member Function Documentation

6.185.3.1 virtual int decaf::util::zip::CheckedInputStream::doReadArrayBounded (unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::IndexOutOfBoundsException**, **decaf::lang::exceptions::NullPointerException**) [protected, virtual]

Reimplemented from **decaf::io::FilterInputStream** (p. 1954).

6.185.3.2 virtual int decaf::util::zip::CheckedInputStream::doReadByte ( ) throw (**decaf::io::IOException**) [protected, virtual]

Reimplemented from **decaf::io::FilterInputStream** (p. 1954).

6.185.3.3 Checksum* decaf::util::zip::CheckedInputStream::getChecksum ( ) const [inline]

Returns a Pointer to the **Checksum** (p. 1174) that is in use by this **CheckedInputStream** (p. 1169).

Returns

the pointer to the **Checksum** (p. 1174) instance that is in use by this object.

6.185.3.4 virtual long long decaf::util::zip::CheckedInputStream::skip (long long *num*) throw (**decaf::io::IOException**) [virtual]

Skips over and discards n bytes of data from this input stream.

The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.

The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached. Subclasses are encouraged to provide a more efficient implementation of this method.

Parameters

num	The number of bytes to skip.

Returns

total bytes skipped

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.
UnsupportedOperationException	if the concrete stream class does not support skipping bytes.

Adds the skipped bytes into the **Checksum** (p. 1174).

Reimplemented from **decaf::io::FilterInputStream** (p. 1956).

The documentation for this class was generated from the following file:

- src/main/decaf/util/zip/**CheckedInputStream.h**

6.186 decaf::util::zip::CheckedOutputStream Class Reference

An implementation of a FilterOutputStream that will maintain a **Checksum** (p. 1174) of the bytes written, the **Checksum** (p. 1174) can then be used to verify the integrity of the output stream.

```
#include <src/main/decaf/util/zip/CheckedOutputStream.h>
```

Inheritance diagram for decaf::util::zip::CheckedOutputStream:

Public Member Functions

- **CheckedOutputStream** (**decaf::io::OutputStream** ∗**outputStream**, **Checksum** ∗sum, bool **own**=false)

  *Create a new instance of a **CheckedOutputStream** (p. 1172).*

- virtual ∼**CheckedOutputStream** ()
- **Checksum** ∗ **getChecksum** () const

Protected Member Functions

- virtual void **doWriteByte** (unsigned char value) throw (decaf::io::IOException)

- virtual void **doWriteArrayBounded** (const unsigned char *buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

6.186.1 Detailed Description

An implementation of a FilterOutputStream that will maintain a **Checksum** (p. 1174) of the bytes written, the **Checksum** (p. 1174) can then be used to verify the integrity of the output stream.

Since

1.0

6.186.2 Constructor & Destructor Documentation

6.186.2.1 decaf::util::zip::CheckedOutputStream::CheckedOutputStream (decaf::io::OutputStream * *outputStream,* Checksum * *sum,* bool *own =* `false`)

Create a new instance of a **CheckedOutputStream** (p. 1172).

Parameters

output-Stream	The OutputStream instance to Wrap.
sum	The **Checksum** (p. 1174) instance to use (does not take ownership of the Pointer).
own	Indicates if this filer should take ownership of the InputStream.

Exceptions

NullPointerException	if the **Checksum** (p. 1174) pointer is NULL.

6.186.2.2 virtual decaf::util::zip::CheckedOutputStream::~CheckedOutputStream ( ) `[virtual]`

6.186.3 Member Function Documentation

6.186.3.1 virtual void decaf::util::zip::CheckedOutputStream::doWriteArrayBounded (const unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) `[protected, virtual]`

Reimplemented from **decaf::io::FilterOutputStream** (p. 1960).

6.186.3.2 virtual void decaf::util::zip::CheckedOutputStream::doWriteByte (unsigned char *value*) throw (**decaf::io::IOException**) [protected, virtual]

Reimplemented from **decaf::io::FilterOutputStream** (p. 1960).

6.186.3.3 Checksum* decaf::util::zip::CheckedOutputStream::getChecksum ( ) const [inline]

Returns

a pointer to the **Checksum** (p. 1174) instance in use by this object.

The documentation for this class was generated from the following file:

- src/main/decaf/util/zip/**CheckedOutputStream.h**

6.187 decaf::util::zip::Checksum Class Reference

An interface used to represent **Checksum** (p. 1174) values in the Zip package.

`#include <src/main/decaf/util/zip/Checksum.h>`

Inheritance diagram for decaf::util::zip::Checksum:

Public Member Functions

- virtual ~**Checksum** ()
- virtual long long **getValue** () const =0
- virtual void **reset** ()=0

  Reset the checksum to its initial value.

- virtual void **update** (const std::vector< unsigned char > &buffer)=0

  Updates the current checksum with the specified vector of bytes.

- virtual void **update** (const std::vector< unsigned char > &buffer, int offset, int length)=0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Updates the current checksum with the specified array of bytes.

- virtual void **update** (const unsigned char *buffer, int size, int offset, int length)=0 throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsExcep)

  Updates the current checksum with the specified array of bytes.

- virtual void **update** (int byte)=0

  Updates the current checksum with the specified byte value.

6.187.1 Detailed Description

An interface used to represent **Checksum** (p. 1174) values in the Zip package.

Since

1.0

6.187.2 Constructor & Destructor Documentation

6.187.2.1 virtual decaf::util::zip::Checksum::~Checksum ( ) [inline, virtual]

6.187.3 Member Function Documentation

6.187.3.1 virtual long long decaf::util::zip::Checksum::getValue ( ) const [pure virtual]

Returns

the current checksum value.

Implemented in **decaf::util::zip::Adler32** (p. 731), and **decaf::util::zip::CRC32** (p. 1569).

6.187.3.2 virtual void decaf::util::zip::Checksum::reset ( ) [pure virtual]

Reset the checksum to its initial value.

Implemented in **decaf::util::zip::Adler32** (p. 731), and **decaf::util::zip::CRC32** (p. 1569).

6.187.3.3 virtual void decaf::util::zip::Checksum::update (const unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (**decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) [pure virtual]

Updates the current checksum with the specified array of bytes.

Parameters

buffer	The buffer to read the updated bytes from.
size	The size of the passed buffer.
offset	The position in the buffer to start reading.
length	The amount of data to read from the byte buffer.

Exceptions

NullPointerException	if the passed buffer is NULL.
IndexOutOfBoundsException	if offset + length > size of the buffer.

Implemented in **decaf::util::zip::Adler32** (p. 731), and **decaf::util::zip::CRC32** (p. 1569).

6.187.3.4 virtual void decaf::util::zip::Checksum::update (const std::vector< unsigned char > & *buffer*, int *offset*, int *length*) throw (**decaf::lang::exceptions::IndexOutOfBoundsException**) [pure virtual]

Updates the current checksum with the specified array of bytes.

Parameters

buffer	The buffer to read the updated bytes from.
offset	The position in the buffer to start reading.
length	The amount of data to read from the byte buffer.

Exceptions

IndexOutOfBoundsException	if offset + length > size of the buffer.

Implemented in **decaf::util::zip::Adler32** (p. 732), and **decaf::util::zip::CRC32** (p. 1570).

6.187.3.5 virtual void decaf::util::zip::Checksum::update (const std::vector< unsigned char > & *buffer*) [pure virtual]

Updates the current checksum with the specified vector of bytes.

Parameters

buffer	The buffer to read the updated bytes from.

Implemented in **decaf::util::zip::Adler32** (p. 732), and **decaf::util::zip::CRC32** (p. 1570).

6.187.3.6 virtual void decaf::util::zip::Checksum::update (int *byte*) [pure virtual]

Updates the current checksum with the specified byte value.

Parameters

byte	The byte value to update the current **Checksum** (p. 1174) with (0..255).

Implemented in **decaf::util::zip::Adler32** (p. 732), and **decaf::util::zip::CRC32** (p. 1570).

The documentation for this class was generated from the following file:

- src/main/decaf/util/zip/**Checksum.h**

6.188 decaf::lang::exceptions::ClassCastException Class Reference

`#include <src/main/decaf/lang/exceptions/ClassCastException.h>`

Inheritance diagram for decaf::lang::exceptions::ClassCastException:

Public Member Functions

- **ClassCastException** () throw ()

  Default Constructor.

- **ClassCastException** (const **Exception** &ex) throw ()

  *Conversion Constructor from some other **Exception*** (p. *1886).*

- **ClassCastException** (const **ClassCastException** &ex) throw ()

  Copy Constructor.

- **ClassCastException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **ClassCastException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **ClassCastException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **ClassCastException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**ClassCastException** () throw ()

6.188.1 Constructor & Destructor Documentation

6.188.1.1 decaf::lang::exceptions::ClassCastException::ClassCastException ( ) throw () [inline]

Default Constructor.

6.188.1.2 decaf::lang::exceptions::ClassCastException::ClassCastException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other **Exception** (p. 1886).

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.188.1.3 decaf::lang::exceptions::ClassCastException::ClassCastException (const ClassCastException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.188.1.4 decaf::lang::exceptions::ClassCastException::ClassCastException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.188.1.5 decaf::lang::exceptions::ClassCastException::ClassCastException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.188.1.6 decaf::lang::exceptions::ClassCastException::ClassCastException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs

lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.188.1.7 virtual decaf::lang::exceptions::ClassCastException::~ClassCastException ( ) throw () [inline, virtual]

6.188.2 Member Function Documentation

6.188.2.1 virtual ClassCastException* decaf::lang::exceptions::ClassCastException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

an new **Exception** (p. 1886) instance that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/exceptions/**ClassCastException.h**

6.189 cms::Closeable Class Reference

Interface for a class that implements the close method.

`#include <src/main/cms/Closeable.h>`

Inheritance diagram for cms::Closeable:

Public Member Functions

- virtual ~**Closeable** ()
- virtual void **close** ()=0 throw (CMSException)

  Closes this object and deallocates the appropriate resources.

6.189.1 Detailed Description

Interface for a class that implements the close method. A class that implements this interface should release all resources upon the close call and should throw an exception from any methods that require those resources after they have been closed.

Since

1.0

6.189.2 Constructor & Destructor Documentation

6.189.2.1 virtual cms::Closeable::~Closeable ( ) [inline, virtual]

6.189.3 Member Function Documentation

6.189.3.1 virtual void cms::Closeable::close ( ) throw (CMSException) [pure virtual]

Closes this object and deallocates the appropriate resources.

The object is generally no longer usable after calling close.

Exceptions

CMSException *(p. 1190)*	- If an error occurs while the resource is being closed.

Implemented in **activemq::cmsutil::CachedConsumer** (p. 1099), **activemq::cmsutil::CachedProducer** (p. 1103), **activemq::cmsutil::PooledSession** (p. 3045), **activemq::commands::ActiveMQTempDestination** (p. 580), **activemq::core::ActiveMQConnection** (p. 267), **activemq::core::ActiveMQConsumer** (p. 304), **activemq::core::ActiveMQProducer** (p. 468), **activemq::core::ActiveMQQueueBrowser** (p. 484), **activemq::core::ActiveMQSession** (p. 518), **cms::Connection** (p. 1298), and **cms::Session** (p. 3464).

The documentation for this class was generated from the following file:

- src/main/cms/**Closeable.h**

6.190 decaf::io::Closeable Class Reference

Interface for a class that implements the close method.

`#include <src/main/decaf/io/Closeable.h>`

Inheritance diagram for decaf::io::Closeable:

Public Member Functions

- virtual ~**Closeable** ()
- virtual void **close** ()=0 throw (io::IOException)

  Closes this object and deallocates the appropriate resources.

6.190.1 Detailed Description

Interface for a class that implements the close method.

6.190.2 Constructor & Destructor Documentation

6.190.2.1 virtual decaf::io::Closeable::~Closeable ( ) [inline, virtual]

6.190.3 Member Function Documentation

6.190.3.1 virtual void decaf::io::Closeable::close ( ) throw (io::IOException) [pure virtual]

Closes this object and deallocates the appropriate resources.

The object is generally no longer usable after calling close.

Exceptions

IOException *(p. 2210)*	if an error occurs while closing.

Implemented in **activemq::transport::correlator::ResponseCorrelator** (p. 3386), **activemq::transport::failover::FailoverTransport** (p. 1934), **activemq::transport::inactivity::InactivityMonitor** (p. 2067), **activemq::transport::IOTransport** (p. 2215), **activemq::transport::mock::MockTransport** (p. 2857), **activemq::transport::tcp::TcpTransport** (p. 3867), **activemq::transport::TransportFilter** (p. 4007), **activemq::wireformat::openwire::OpenWireFormatNegotiator** (p. 2987), **decaf::internal::io::StandardErrorOutputStream** (p. 3687), **decaf::internal::io::StandardOutputStream** (p. 3690), **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2947), **decaf::internal::net::ssl::openssl::OpenSSLSoc** (p. 2968), **decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream** (p. 2970), **decaf::internal::net::tcp::TcpSocketInputStream** (p. 3862), **decaf::internal::net::tcp::TcpSocketOutputStream** (p. 3864), **decaf::io::BlockingByteArrayInputStream** (p. 847), **decaf::io::BufferedInputStream** (p. 946), **decaf::io::FilterInputStream** (p. 1954), **decaf::io::FilterOutputStream** (p. 1959), **decaf::io::InputStream** (p. 2108), **decaf::io::InputStreamReader** (p. 2118), **decaf::io::OutputStream** (p. 2993), **decaf::io::OutputStreamWriter** (p. 3001), **decaf::net::Socket** (p. 3614), **decaf::util::logging::ConsoleHandler** (p. 1440), **decaf::util::logging::StreamHandler** (p. 3758), **decaf::util::zip::DeflaterOutputStream** (p. 1772), and **decaf::util::zip::InflaterInputStream** (p. 2102).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**Closeable.h**

6.191 activemq::transport::failover::CloseTransportsTask Class Reference

`#include <src/main/activemq/transport/failover/CloseTransportsTask.h>`

Inheritance diagram for activemq::transport::failover::CloseTransportsTask:

Public Member Functions

- **CloseTransportsTask** ()
- virtual ~**CloseTransportsTask** ()
- void **add** (const **Pointer**< **Transport** > &transport)

  *Add a new **Transport** (p. 3996) to close.*

- virtual bool **isPending** () const

  This Task is pending if there are transports in the Queue that need to be closed.

- virtual bool **iterate** ()

  Return true until all transports have been closed and removed from the queue.

6.191.1 Constructor & Destructor Documentation

6.191.1.1 activemq::transport::failover::CloseTransportsTask::CloseTransportsTask ( )

6.191.1.2 virtual activemq::transport::failover::CloseTransportsTask::~CloseTransportsTask ( ) [virtual]

6.191.2 Member Function Documentation

6.191.2.1 void activemq::transport::failover::CloseTransportsTask::add (const Pointer< Transport > & *transport*)

Add a new **Transport** (p. 3996) to close.

6.191.2.2 virtual bool activemq::transport::failover::CloseTransportsTask::isPending ( ) const [virtual]

This Task is pending if there are transports in the Queue that need to be closed.

Returns

true if there is a transport in the queue that needs closed.

Implements **activemq::threads::CompositeTask** (p. 1255).

6.191.2.3 virtual bool activemq::transport::failover::CloseTransportsTask::iterate ( ) [virtual]

Return true until all transports have been closed and removed from the queue.

Implements **activemq::threads::Task** (p. 3847).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/failover/**CloseTransportsTask.h**

6.192 activemq::cmsutil::CmsAccessor Class Reference

Base class for **activemq.cmsutil.CmsTemplate** (p. 1201) and other CMS-accessing gateway helpers, defining common properties such as the CMS **cms.ConnectionFactory** (p. 1361) to operate on.

`#include <src/main/activemq/cmsutil/CmsAccessor.h>`

Inheritance diagram for activemq::cmsutil::CmsAccessor:

Public Member Functions

- **CmsAccessor** ()
- virtual ~**CmsAccessor** ()
- virtual **ResourceLifecycleManager** ∗ **getResourceLifecycleManager** ()
- virtual const **ResourceLifecycleManager** ∗ **getResourceLifecycleManager** () const
- virtual void **setConnectionFactory** (**cms::ConnectionFactory** ∗connectionFactory)

  Set the ConnectionFactory to use for obtaining CMS Connections.

- virtual const **cms::ConnectionFactory** ∗ **getConnectionFactory** () const

  Return the ConnectionFactory that this accessor uses for obtaining CMS Connections.

- virtual **cms::ConnectionFactory** ∗ **getConnectionFactory** ()

  Return the ConnectionFactory that this accessor uses for obtaining CMS Connections.

- virtual void **setSessionAcknowledgeMode** (**cms::Session::AcknowledgeMode** sessionAcknowledgeMode)

  Set the CMS acknowledgment mode that is used when creating a CMS Session to send a message.

- virtual **cms::Session::AcknowledgeMode getSessionAcknowledgeMode** () const

Return the acknowledgment mode for CMS sessions.

Protected Member Functions

- **CmsAccessor** (const **CmsAccessor** &)
- **CmsAccessor** & **operator=** (const **CmsAccessor** &)
- virtual void **init** () throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException)

  Initializes this object and prepares it for use.

- virtual void **destroy** () throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException)

  Shuts down this object and destroys any allocated resources.

- virtual **cms::Connection** ∗ **createConnection** () throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException)

  Create a CMS Connection via this template's ConnectionFactory.

- virtual **cms::Session** ∗ **createSession** (**cms::Connection** ∗con) throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException)

  Create a CMS Session for the given Connection.

- virtual void **checkConnectionFactory** () throw (decaf::lang::exceptions::IllegalStateException)

  Verifies that the connection factory is valid.

6.192.1 Detailed Description

Base class for **activemq.cmsutil.CmsTemplate** (p. 1201) and other CMS-accessing gateway helpers, defining common properties such as the CMS **cms.ConnectionFactory** (p. 1361) to operate on. The subclass **activemq.cmsutil.CmsDestinationAccessor** (p. 1187) adds further, destination-related properties.

Not intended to be used directly.

See also

activemq.cmsutil.CmsDestinationAccessor (p. 1187)
activemq.cmsutil.CmsTemplate (p. 1201)

6.192.2 Constructor & Destructor Documentation

6.192.2.1 activemq::cmsutil::CmsAccessor::CmsAccessor (const CmsAccessor &) [inline, protected]

6.192.2.2 activemq::cmsutil::CmsAccessor::CmsAccessor ( )

6.192.2.3 virtual activemq::cmsutil::CmsAccessor::~CmsAccessor ( ) [virtual]

6.192.3 Member Function Documentation

6.192.3.1 virtual void activemq::cmsutil::CmsAccessor::checkConnectionFactory ( ) throw (decaf::lang::exceptions::IllegalStateException) [protected, virtual]

Verifies that the connection factory is valid.

6.192.3.2 virtual cms::Connection* activemq::cmsutil::CmsAccessor::createConnection ( ) throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException) [protected, virtual]

Create a CMS Connection via this template's ConnectionFactory.

Returns

the new CMS Connection

Exceptions

cms::CMSException *(p. 1190)*	if thrown by CMS API methods

6.192.3.3 virtual cms::Session* activemq::cmsutil::CmsAccessor::createSession (cms::Connection * *con*) throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException) [protected, virtual]

Create a CMS Session for the given Connection.

Parameters

con	the CMS Connection to create a Session for

Returns

the new CMS Session

Exceptions

cms::CMSException (p. *1190*)	if thrown by CMS API methods

6.192.3.4 virtual void activemq::cmsutil::CmsAccessor::destroy ( ) throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException) [inline, protected, virtual]

Shuts down this object and destroys any allocated resources.

Reimplemented in **activemq::cmsutil::CmsDestinationAccessor** (p. 1189), and **activemq::cmsutil::CmsTemplate** (p. 1205).

6.192.3.5 virtual const cms::ConnectionFactory* activemq::cmsutil::CmsAccessor::getConnectionFactory ( ) const [inline, virtual]

Return the ConnectionFactory that this accessor uses for obtaining CMS Connections.

6.192.3.6 virtual cms::ConnectionFactory* activemq::cmsutil::CmsAccessor::getConnectionFactory ( ) [inline, virtual]

Return the ConnectionFactory that this accessor uses for obtaining CMS Connections.

6.192.3.7 virtual ResourceLifecycleManager* activemq::cmsutil::CmsAccessor::getResourceLifecycleManager ( ) [inline, virtual]

6.192.3.8 virtual const ResourceLifecycleManager* activemq::cmsutil::CmsAccessor::getResourceLifecycleManager ( ) const [inline, virtual]

6.192.3.9 virtual cms::Session::AcknowledgeMode activemq::cmsutil::CmsAccessor::getSessionAcknowledgeMode ( ) const [inline, virtual]

Return the acknowledgment mode for CMS sessions.

Returns

the acknowledgment mode applied by this accessor

6.192.3.10 virtual void activemq::cmsutil::CmsAccessor::init ( ) throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException) [inline, protected, virtual]

Initializes this object and prepares it for use.

This should be called before any other methods are called. This version does nothing.

Reimplemented in **activemq::cmsutil::CmsDestinationAccessor** (p. 1189), and **activemq::cmsutil::CmsTemplate** (p. 1207).

6.192.3.11 CmsAccessor& activemq::cmsutil::CmsAccessor::operator= (const CmsAccessor &) [inline, protected]

6.192.3.12 virtual void activemq::cmsutil::CmsAccessor::setConnectionFactory (cms::ConnectionFactory * *connectionFactory*) [inline, virtual]

Set the ConnectionFactory to use for obtaining CMS Connections.

6.192.3.13 virtual void activemq::cmsutil::CmsAccessor::setSessionAcknowledgeMode (cms::Session::AcknowledgeMode *sessionAcknowledgeMode*) [inline, virtual]

Set the CMS acknowledgment mode that is used when creating a CMS Session to send a message.

Default is `AUTO_ACKNOWLEDGE`.

Parameters

sessionAcknowledgeMode	the acknowledgment mode

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**CmsAccessor.h**

6.193 activemq::cmsutil::CmsDestinationAccessor Class Reference

Extends the **`CmsAccessor`** (p. 1183) to add support for resolving destination names.

`#include <src/main/activemq/cmsutil/CmsDestinationAccessor.h>`

Inheritance diagram for activemq::cmsutil::CmsDestinationAccessor:

Public Member Functions

- **CmsDestinationAccessor** ()
- virtual ~**CmsDestinationAccessor** ()
- virtual bool **isPubSubDomain** () const
- virtual void **setPubSubDomain** (bool pubSubDomain)
- virtual **DestinationResolver** * **getDestinationResolver** ()
- virtual const **DestinationResolver** * **getDestinationResolver** () const
- virtual void **setDestinationResolver** (**DestinationResolver** *destRes)

Protected Member Functions

- **CmsDestinationAccessor** (const **CmsDestinationAccessor** &)
- **CmsDestinationAccessor** & **operator=** (const **CmsDestinationAccessor** &)
- virtual void **init** () throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException)

  Initializes the destination resolver.

- virtual void **destroy** () throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException)

  *Calls **destroy()** (p. 1189) on the destination resolver.*

- virtual **cms::Destination** * **resolveDestinationName** (**cms::Session** *session, const std::string &destName) throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException)

  *Resolves the destination via the **DestinationResolver** (p. 1810).*

- virtual void **checkDestinationResolver** () throw (decaf::lang::exceptions::IllegalStateException)

  Verifies that the destination resolver is valid.

6.193.1 Detailed Description

Extends the **CmsAccessor** (p. 1183) to add support for resolving destination names.
Not intended to be used directly.

See also

CmsTemplate (p. 1201)
CmsAccessor (p. 1183)

6.193.2 Constructor & Destructor Documentation

6.193.2.1 activemq::cmsutil::CmsDestinationAccessor::CmsDestinationAccessor (const CmsDestinationAccessor &) [inline, protected]

6.193.2.2 activemq::cmsutil::CmsDestinationAccessor::CmsDestinationAccessor ( )

6.193.2.3 virtual activemq::cmsutil::CmsDestinationAccessor::~CmsDestinationAccessor ( ) [virtual]

6.193.3 Member Function Documentation

6.193.3.1 virtual void activemq::cmsutil::CmsDestinationAccessor::checkDestinationResolver ( ) throw (decaf::lang::exceptions::IllegalStateException) [protected, virtual]

Verifies that the destination resolver is valid.

6.193.3.2 virtual void activemq::cmsutil::CmsDestinationAccessor::destroy ( ) throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException) [protected, virtual]

Calls **destroy()** (p. 1189) on the destination resolver.

Reimplemented from **activemq::cmsutil::CmsAccessor** (p. 1186).

Reimplemented in **activemq::cmsutil::CmsTemplate** (p. 1205).

6.193.3.3 virtual const DestinationResolver* activemq::cmsutil::CmsDestinationAccessor::getDestinationResolver ( ) const [inline, virtual]

6.193.3.4 virtual DestinationResolver* activemq::cmsutil::CmsDestinationAccessor::getDestinationResolver ( ) [inline, virtual]

6.193.3.5 virtual void activemq::cmsutil::CmsDestinationAccessor::init ( ) throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException) [protected, virtual]

Initializes the destination resolver.

Reimplemented from **activemq::cmsutil::CmsAccessor** (p. 1187).

Reimplemented in **activemq::cmsutil::CmsTemplate** (p. 1207).

6.193.3.6 virtual bool activemq::cmsutil::CmsDestinationAccessor::isPubSubDomain ( ) const [inline, virtual]

6.193.3.7 CmsDestinationAccessor& activemq::cmsutil::CmsDestinationAccessor::operator= (const CmsDestinationAccessor &) [inline, protected]

6.193.3.8 virtual cms::Destination* activemq::cmsutil::CmsDestinationAccessor::resolveDestinationName (cms::Session * *session*, const std::string & *destName*) throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException) [protected, virtual]

Resolves the destination via the **DestinationResolver** (p. 1810).

Parameters

session	the session
destName	the name of the destination.

Returns

the destination

Exceptions

cms::CMSException (p. *1190*)	if resolution failed.
decaf::lang::exceptions: (p. *2060*)	if the destination resolver property is NULL.

6.193.3.9 virtual void activemq::cmsutil::CmsDestinationAccessor::setDestinationResolver (DestinationResolver * *destRes*) [inline, virtual]

6.193.3.10 virtual void activemq::cmsutil::CmsDestinationAccessor::setPubSubDomain (bool *pubSubDomain*) [inline, virtual]

Reimplemented in **activemq::cmsutil::CmsTemplate** (p. 1214).

Referenced by activemq::cmsutil::CmsTemplate::setPubSubDomain().

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**CmsDestinationAccessor.h**

6.194 cms::CMSException Class Reference

CMS API Exception that is the base for all exceptions thrown from CMS classes.

```
#include <src/main/cms/CMSException.h>
```

Inheritance diagram for cms::CMSException:

Public Member Functions

- **CMSException** () throw ()
- **CMSException** (const **CMSException** &ex) throw ()
- **CMSException** (const std::string &message, const std::exception ∗cause) throw ()
- **CMSException** (const std::string &message, const std::exception ∗cause, const std::vector< std::pair< std::string, int > > &stackTrace) throw ()
- virtual ∼**CMSException** () throw ()
- virtual std::string **getMessage** () const

  Gets the cause of the error.

- virtual const std::exception ∗ **getCause** () const

  Gets the exception that caused this one to be thrown, this allows for chaining of exceptions in the case of a method that throws only a particular exception but wishes to allow for the real causal exception to be passed only in case the caller knows about that type of exception and wishes to respond to it.

- virtual std::vector< std::pair< std::string, int > > **getStackTrace** () const

  Provides the stack trace for every point where this exception was caught, marked, and rethrown.

- virtual void **setMark** (const char ∗file, const int lineNumber)

  Adds a file/line number to the stack trace.

- virtual void **printStackTrace** () const

  Prints the stack trace to std::err.

- virtual void **printStackTrace** (std::ostream &stream) const

  Prints the stack trace to the given output stream.

- virtual std::string **getStackTraceString** () const

  Gets the stack trace as one contiguous string.

- virtual const char ∗ **what** () const throw ()

  *Overloads the std::exception **what()** (p. 1194) function to return the cause of the exception.*

6.194.1 Detailed Description

CMS API Exception that is the base for all exceptions thrown from CMS classes. This class represents an error that has occurred in CMS, providers can wrap provider specific exceptions in this class by setting the cause to an instance of a provider specific exception provided it can be cast to an std::exception.

Since the contained cause exception is of type std::exception and the C++ exception class has no clone or copy method defined the contained exception can only be owned by one instance of an **CMSException** (p. 1190). To that end the class hands off the exception to each successive copy so care must be taken when handling **CMSException** (p. 1190) instances.

Since

1.0

6.194.2 Constructor & Destructor Documentation

6.194.2.1 cms::CMSException::CMSException ( ) throw ()

6.194.2.2 cms::CMSException::CMSException (const CMSException & *ex*) throw ()

6.194.2.3 cms::CMSException::CMSException (const std::string & *message,* const std::exception * *cause*) throw ()

6.194.2.4 cms::CMSException::CMSException (const std::string & *message,* const std::exception * *cause,* const std::vector< std::pair< std::string, int > > & *stackTrace*) throw ()

6.194.2.5 virtual cms::CMSException::~CMSException ( ) throw () [virtual]

6.194.3 Member Function Documentation

6.194.3.1 virtual const std::exception* cms::CMSException::getCause ( ) const [virtual]

Gets the exception that caused this one to be thrown, this allows for chaining of exceptions in the case of a method that throws only a particular exception but wishes to allow for the real causal exception to be passed only in case the caller knows about that type of exception and wishes to respond to it.

Returns

a const pointer reference to the causal exception, if there was no cause associated with this exception then NULL is returned.

6.194.3.2 virtual std::string cms::CMSException::getMessage ( ) const [virtual]

Gets the cause of the error.

Returns

string errors message

6.194.3.3 virtual std::vector< std::pair< std::string, int> > cms::CMSException::getStackTrace ( ) const [virtual]

Provides the stack trace for every point where this exception was caught, marked, and rethrown.

Returns

vector containing stack trace strings

6.194.3.4 virtual std::string cms::CMSException::getStackTraceString ( ) const [virtual]

Gets the stack trace as one contiguous string.

Returns

string with formatted stack trace data

6.194.3.5 virtual void cms::CMSException::printStackTrace ( ) const [virtual]

Prints the stack trace to std::err.

6.194.3.6 virtual void cms::CMSException::printStackTrace (std::ostream & *stream*) const [virtual]

Prints the stack trace to the given output stream.

Parameters

stream	the target output stream.

6.194.3.7 virtual void cms::CMSException::setMark (const char * *file*, const int *lineNumber*) [virtual]

Adds a file/line number to the stack trace.

Parameters

file	The name of the file calling this method (use __FILE__).
lineNumber	The line number in the calling file (use __LINE__).

6.194.3.8 virtual const char* cms::CMSException::what ( ) const throw () [virtual]

Overloads the std::exception **what()** (p. 1194) function to return the cause of the exception.

Returns

const char pointer to error message

The documentation for this class was generated from the following file:

- src/main/cms/**CMSException.h**

6.195 activemq::util::CMSExceptionSupport Class Reference

```
#include <src/main/activemq/util/CMSExceptionSupport.h>
```

Public Member Functions

- virtual ~**CMSExceptionSupport** ()

Static Public Member Functions

- static **cms::CMSException create** (const std::string &msg, const **decaf::lang::Exception** &cause)
- static **cms::CMSException create** (const **decaf::lang::Exception** &cause)
- static **cms::MessageEOFException createMessageEOFException** (const **decaf::lang::Exception** &cause)
- static **cms::MessageFormatException createMessageFormatException** (const **decaf::lang::Exception** &cause)

6.195.1 Constructor & Destructor Documentation

6.195.1.1 virtual activemq::util::CMSExceptionSupport::~CMSExceptionSupport ( ) [virtual]

6.195.2 Member Function Documentation

6.195.2.1 static cms::CMSException activemq::util::CMSExceptionSupport::create (const std::string & *msg,* const decaf::lang::Exception & *cause*) [static]

6.195.2.2 static cms::CMSException activemq::util::CMSExceptionSupport::create (const decaf::lang::Exception & *cause*) [static]

6.195.2.3 static cms::MessageEOFException activemq::util::CMSExceptionSupport::createMessageEOFException (const decaf::lang::Exception & *cause*) [static]

6.195.2.4 static cms::MessageFormatException activemq::util::CMSExceptionSupport::createMessageFormatException (const decaf::lang::Exception & *cause*) [static]

Referenced by activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getBooleanProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getByteProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getDoubleProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getFloatProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getIntProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getLongProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getShortProperty(), and activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getStringProperty().

The documentation for this class was generated from the following file:

- src/main/activemq/util/**CMSExceptionSupport.h**

6.196 cms::CMSProperties Class Reference

Interface for a Java-like properties object.

`#include <src/main/cms/CMSProperties.h>`

Inheritance diagram for cms::CMSProperties:

Public Member Functions

- virtual ~**CMSProperties** ()

- virtual bool **isEmpty** () const =0

  Returns true if the properties object is empty.

- virtual const char ∗ **getProperty** (const std::string &name) const =0

  Looks up the value for the given property.

- virtual std::string **getProperty** (const std::string &name, const std::string &defaultValue) const =0

  Looks up the value for the given property.

- virtual void **setProperty** (const std::string &name, const std::string &value)=0

  Sets the value for a given property.

- virtual bool **hasProperty** (const std::string &name) const =0

  Check to see if the Property exists in the set.

- virtual void **remove** (const std::string &name)=0

  Removes the property with the given name.

- virtual std::vector< std::pair< std::string, std::string > > **toArray** () const =0

  Method that serializes the contents of the property map to an array.

- virtual void **copy** (const **CMSProperties** ∗source)=0

  Copies the contents of the given properties object to this one.

- virtual **CMSProperties** ∗ **clone** () const =0

  Clones this object.

- virtual void **clear** ()=0

  Clears all properties from the map.

- virtual std::string **toString** () const =0

  Formats the contents of the Properties Object into a string that can be logged, etc.

6.196.1 Detailed Description

Interface for a Java-like properties object. This is essentially a map of key-value string pairs.

Since

1.1

6.196.2 Constructor & Destructor Documentation

6.196.2.1 virtual cms::CMSProperties::~CMSProperties ( ) [inline, virtual]

6.196.3 Member Function Documentation

6.196.3.1 virtual void cms::CMSProperties::clear ( ) [pure virtual]

Clears all properties from the map.

Implemented in **activemq::util::ActiveMQProperties** (p. 476).

6.196.3.2 virtual CMSProperties* cms::CMSProperties::clone ( ) const [pure virtual]

Clones this object.

Returns

a replica of this object.

Implemented in **activemq::util::ActiveMQProperties** (p. 476).

6.196.3.3 virtual void cms::CMSProperties::copy (const CMSProperties * *source*) [pure virtual]

Copies the contents of the given properties object to this one.

Parameters

source	The source properties object.

6.196.3.4 virtual const char* cms::CMSProperties::getProperty (const std::string & *name*) const [pure virtual]

Looks up the value for the given property.

Parameters

name	The name of the property to be looked up.

Returns

the value of the property with the given name, if it exists. If it does not exist, returns NULL.

Implemented in **activemq::util::ActiveMQProperties** (p. 477).

6.196.3.5 virtual std::string cms::CMSProperties::getProperty (const std::string & *name,* const std::string & *defaultValue*) const [pure virtual]

Looks up the value for the given property.

Parameters

name	the name of the property to be looked up.
defaultValue	The value to be returned if the given property does not exist.

Returns

The value of the property specified by `name`, if it exists, otherwise the `defaultValue`.

Implemented in **activemq::util::ActiveMQProperties** (p. 477).

6.196.3.6 virtual bool cms::CMSProperties::hasProperty (const std::string & *name*) const [pure virtual]

Check to see if the Property exists in the set.

Parameters

name	the name of the property to check

Returns

true if property exists, false otherwise.

Implemented in **activemq::util::ActiveMQProperties** (p. 477).

6.196.3.7 virtual bool cms::CMSProperties::isEmpty ( ) const [pure virtual]

Returns true if the properties object is empty.

Returns

true if empty

Implemented in **activemq::util::ActiveMQProperties** (p. 478).

6.196.3.8 virtual void cms::CMSProperties::remove (const std::string & *name*) [pure virtual]

Removes the property with the given name.

Parameters

name	the name of the property to be removed.s

Implemented in **activemq::util::ActiveMQProperties** (p. 478).

6.196.3.9 virtual void cms::CMSProperties::setProperty (const std::string & *name*, const std::string & *value*) [pure virtual]

Sets the value for a given property.

If the property already exists, overwrites the value.

Parameters

name	The name of the value to be written.
value	The value to be written.

Implemented in **activemq::util::ActiveMQProperties** (p. 478).

6.196.3.10 virtual std::vector< std::pair< std::string, std::string > > cms::CMSProperties::toArray ( ) const [pure virtual]

Method that serializes the contents of the property map to an array.

Returns

list of pairs where the first is the name and the second is the value.

Implemented in **activemq::util::ActiveMQProperties** (p. 479).

6.196.3.11 virtual std::string cms::CMSProperties::toString ( ) const [pure virtual]

Formats the contents of the Properties Object into a string that can be logged, etc.

Returns

string value of this object.

Implemented in **activemq::util::ActiveMQProperties** (p. 479).

The documentation for this class was generated from the following file:

- src/main/cms/**CMSProperties.h**

6.197 cms::CMSSecurityException Class Reference

This exception must be thrown when a provider rejects a user name/password submitted by a client.

```
#include <src/main/cms/CMSSecurityException.h>
```

Inheritance diagram for cms::CMSSecurityException:

Public Member Functions

- **CMSSecurityException** () throw ()
- **CMSSecurityException** (const **CMSSecurityException** &ex) throw ()
- **CMSSecurityException** (const std::string &message, const std::exception ∗cause) throw ()
- **CMSSecurityException** (const std::string &message, const std::exception ∗cause, const std::vector< std::pair< std::string, int > > &stackTrace) throw ()
- virtual ∼**CMSSecurityException** () throw ()

6.197.1 Detailed Description

This exception must be thrown when a provider rejects a user name/password submitted by a client. It may also be thrown for any case where a security restriction prevents a method from completing.

Since

1.3

6.197.2 Constructor & Destructor Documentation

6.197.2.1 cms::CMSSecurityException::CMSSecurityException ( ) throw ()

6.197.2.2 cms::CMSSecurityException::CMSSecurityException (const CMSSecurityException & *ex*) throw ()

6.197.2.3 cms::CMSSecurityException::CMSSecurityException (const std::string & *message,* const std::exception ∗ *cause*) throw ()

6.197.2.4 cms::CMSSecurityException::CMSSecurityException (const std::string & *message,* const std::exception ∗ *cause,* const std::vector< std::pair< std::string, int > > & *stackTrace*) throw ()

6.197.2.5 virtual cms::CMSSecurityException::∼CMSSecurityException ( ) throw ()

`[virtual]`

The documentation for this class was generated from the following file:

- src/main/cms/**CMSSecurityException.h**

6.198 activemq::cmsutil::CmsTemplate Class Reference

CmsTemplate (p. 1201) simplifies performing synchronous CMS operations.

`#include <src/main/activemq/cmsutil/CmsTemplate.h>`

Inheritance diagram for activemq::cmsutil::CmsTemplate:

Data Structures

- class **ProducerExecutor**
- class **ReceiveExecutor**
- class **ResolveProducerExecutor**
- class **ResolveReceiveExecutor**
- class **SendExecutor**

Public Member Functions

- **CmsTemplate** ()
- **CmsTemplate** (**cms::ConnectionFactory** ∗connectionFactory)
- virtual ∼**CmsTemplate** ()
- virtual void **setDefaultDestination** (**cms::Destination** ∗defaultDestination)

  Sets the destination object to be used by default for send/receive operations.

- virtual const **cms::Destination** ∗ **getDefaultDestination** () const

  Retrieves the default destination to be used for send/receive operations.

- virtual **cms::Destination** ∗ **getDefaultDestination** ()

  Retrieves the default destination to be used for send/receive operations.

- virtual void **setDefaultDestinationName** (const std::string &defaultDestinationName)

  Sets the name of the default destination to be used from send/receive operations.

- virtual const std::string **getDefaultDestinationName** () const

  Gets the name of the default destination to be used for send/receive operations.

- virtual void **setPubSubDomain** (bool pubSubDomain)

  Indicates whether the default destination is a topic (true) or a queue (false).

- virtual void **setMessageIdEnabled** (bool messageIdEnabled)
- virtual bool **isMessageIdEnabled** () const
- virtual void **setMessageTimestampEnabled** (bool messageTimestampEnabled)
- virtual bool **isMessageTimestampEnabled** () const
- virtual void **setNoLocal** (bool noLocal)

- virtual bool **isNoLocal** () const
- virtual void **setReceiveTimeout** (long long receiveTimeout)
- virtual long long **getReceiveTimeout** () const
- virtual void **setExplicitQosEnabled** (bool explicitQosEnabled)

  Set if the QOS values (deliveryMode, priority, timeToLive) should be used for sending a message.

- virtual bool **isExplicitQosEnabled** () const

  If "true", then the values of deliveryMode, priority, and timeToLive will be used when sending a message.

- virtual void **setDeliveryPersistent** (bool deliveryPersistent)

  Set whether message delivery should be persistent or non-persistent, specified as boolean value ("true" or "false").

- virtual void **setDeliveryMode** (int deliveryMode)

  Set the delivery mode to use when sending a message.

- virtual int **getDeliveryMode** () const

  Return the delivery mode to use when sending a message.

- virtual void **setPriority** (int priority)

  Set the priority of a message when sending.

- virtual int **getPriority** () const

  Return the priority of a message when sending.

- virtual void **setTimeToLive** (long long timeToLive)

  Set the time-to-live of the message when sending.

- virtual long long **getTimeToLive** () const

  Return the time-to-live of the message when sending.

- virtual void **execute** (**SessionCallback** ∗action) throw (cms::CMSException)

  Executes the given action within a CMS Session.

- virtual void **execute** (**ProducerCallback** ∗action) throw (cms::CMSException)

  Executes the given action and provides it with a CMS Session and producer.

- virtual void **execute** (**cms::Destination** ∗dest, **ProducerCallback** ∗action) throw (cms::CMSException)

  Executes the given action and provides it with a CMS Session and producer.

- virtual void **execute** (const std::string &destinationName, **ProducerCallback** ∗action) throw (cms::CMSException)

  Executes the given action and provides it with a CMS Session and producer.

- virtual void **send** (**MessageCreator** ∗messageCreator) throw (cms::CMSException)

  Convenience method for sending a message to the default destination.

- virtual void **send** (**cms::Destination** ∗dest, **MessageCreator** ∗messageCreator) throw (cms::CMSException)

  Convenience method for sending a message to the specified destination.

- virtual void **send** (const std::string &destinationName, **MessageCreator** ∗messageCreator) throw (cms::CMSException)

  Convenience method for sending a message to the specified destination.

- virtual **cms::Message** ∗ **receive** () throw (cms::CMSException)

  Performs a synchronous read from the default destination.

- virtual **cms::Message** ∗ **receive** (**cms::Destination** ∗destination) throw (cms::CMSException)

  Performs a synchronous read from the specified destination.

- virtual **cms::Message** ∗ **receive** (const std::string &destinationName) throw (cms::CMSException)

  Performs a synchronous read from the specified destination.

- virtual **cms::Message** ∗ **receiveSelected** (const std::string &selector) throw (cms::CMSException)

  Performs a synchronous read consuming only messages identified by the given selector.

- virtual **cms::Message** ∗ **receiveSelected** (**cms::Destination** ∗destination, const std::string &selector) throw (cms::CMSException)

  Performs a synchronous read from the specified destination, consuming only messages identified by the given selector.

- virtual **cms::Message** ∗ **receiveSelected** (const std::string &destinationName, const std::string &selector) throw (cms::CMSException)

  Performs a synchronous read from the specified destination, consuming only messages identified by the given selector.

Static Public Attributes

- static const long long **RECEIVE_TIMEOUT_NO_WAIT**

  Timeout value indicating that a receive operation should check if a message is immediately available without blocking.

- static const long long **RECEIVE_TIMEOUT_INDEFINITE_WAIT**

Timeout value indicating a blocking receive without timeout.

- static const int **DEFAULT_PRIORITY**

  Default message priority.

- static const long long **DEFAULT_TIME_TO_LIVE**

  My default, messages should live forever.

Protected Member Functions

- **CmsTemplate** (const **CmsTemplate** &)
- **CmsTemplate** & **operator=** (const **CmsTemplate** &)
- void **init** () throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException)

  Initializes this object and prepares it for use.

- void **destroy** () throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException)

  Clears all internal resources.

Friends

- class **ProducerExecutor**
- class **ResolveProducerExecutor**
- class **SendExecutor**
- class **ReceiveExecutor**
- class **ResolveReceiveExecutor**

6.198.1 Detailed Description

`CmsTemplate` (p. 1201) simplifies performing synchronous CMS operations. This class is intended to be for CMS what Spring's `JmsTemplate` is for JMS. Provided with a CMS `ConnectionFactory`, creates and manages all other CMS resources internally.

Before using **`CmsTemplate`** (p. 1201) the user must first set the destination (either by name or by setting the destination object directly) and then call `init` to initialize the object for use.

`CmsTemplate` (p. 1201) allows the user to get access to a CMS `Session` through a user-defined **`SessionCallback`** (p. 3475). Similarly, if the user wants direct access to a CMS `MessageProducer`, it can provide a **`ProducerCallback`** (p. 3154). As a convenience, the user can bypass having to provide callbacks altogether for sending messages, by calling one of the `send` methods.

See also

SessionCallback (p. 3475)
ProducerCallback (p. 3154)
MessageCreator (p. 2677)

6.198.2 Constructor & Destructor Documentation

6.198.2.1 activemq::cmsutil::CmsTemplate::CmsTemplate (const CmsTemplate &) [inline, protected]

6.198.2.2 activemq::cmsutil::CmsTemplate::CmsTemplate ( )

6.198.2.3 activemq::cmsutil::CmsTemplate::CmsTemplate (cms::ConnectionFactory * *connectionFactory*)

6.198.2.4 virtual activemq::cmsutil::CmsTemplate::~CmsTemplate ( ) [virtual]

6.198.3 Member Function Documentation

6.198.3.1 void activemq::cmsutil::CmsTemplate::destroy ( ) throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException) [protected, virtual]

Clears all internal resources.

Reimplemented from **activemq::cmsutil::CmsDestinationAccessor** (p. 1189).

6.198.3.2 virtual void activemq::cmsutil::CmsTemplate::execute (SessionCallback * *action*) throw (cms::CMSException) [virtual]

Executes the given action within a CMS Session.

Parameters

action	the action to perform within a CMS Session

Exceptions

cms::CMSException *(p. 1190)*	thrown if an error occurs.

6.198.3.3 virtual void activemq::cmsutil::CmsTemplate::execute (ProducerCallback * *action*) throw (cms::CMSException) [virtual]

Executes the given action and provides it with a CMS Session and producer.

Parameters

action	the action to perform

Exceptions

cms::CMSException (p. *1190*)	thrown if an error occurs.

6.198.3.4 virtual void activemq::cmsutil::CmsTemplate::execute (cms::Destination * *dest*, ProducerCallback * *action*) throw (cms::CMSException) [virtual]

Executes the given action and provides it with a CMS Session and producer.

Parameters

dest	the destination to send messages to
action	the action to perform

Exceptions

cms::CMSException (p. *1190*)	thrown if an error occurs.

6.198.3.5 virtual void activemq::cmsutil::CmsTemplate::execute (const std::string & *destinationName*, ProducerCallback * *action*) throw (cms::CMSException) [virtual]

Executes the given action and provides it with a CMS Session and producer.

Parameters

destination-Name	the name of the destination to send messages to (to internally be resolved to an actual destination)
action	the action to perform

Exceptions

cms::CMSException (p. *1190*)	thrown if an error occurs.

6.198.3.6 virtual cms::Destination* activemq::cmsutil::CmsTemplate::getDefaultDestination ( ) [inline, virtual]

Retrieves the default destination to be used for send/receive operations.

Returns

the default destination. Non-const version of this method.

6.198.3.7 virtual const cms::Destination* activemq::cmsutil::CmsTemplate::getDefaultDestination ( ) const [inline, virtual]

Retrieves the default destination to be used for send/receive operations.

Returns

the default destination. Const version of this method.

6.198.3.8 virtual const std::string activemq::cmsutil::CmsTemplate::getDefaultDestinationName ( ) const [inline, virtual]

Gets the name of the default destination to be used for send/receive operations.

The destination type (topic/queue) is determined by the `pubSubDomain` property.

Returns

the default name of the destination for send/receive operations.

6.198.3.9 virtual int activemq::cmsutil::CmsTemplate::getDeliveryMode ( ) const [inline, virtual]

Return the delivery mode to use when sending a message.

6.198.3.10 virtual int activemq::cmsutil::CmsTemplate::getPriority ( ) const [inline, virtual]

Return the priority of a message when sending.

6.198.3.11 virtual long long activemq::cmsutil::CmsTemplate::getReceiveTimeout ( ) const [inline, virtual]

6.198.3.12 virtual long long activemq::cmsutil::CmsTemplate::getTimeToLive ( ) const [inline, virtual]

Return the time-to-live of the message when sending.

6.198.3.13 void activemq::cmsutil::CmsTemplate::init ( ) throw (cms::CMSException, decaf::lang::exceptions::IllegalStateException) [protected, virtual]

Initializes this object and prepares it for use.

This should be called before any other methds are called.

Reimplemented from **activemq::cmsutil::CmsDestinationAccessor** (p. 1189).

6.198.3.14 virtual bool activemq::cmsutil::CmsTemplate::isExplicitQosEnabled ( ) const [inline, virtual]

If "true", then the values of deliveryMode, priority, and timeToLive will be used when sending a message.

Otherwise, the default values, that may be set administratively, will be used.

Returns

true if overriding default values of QOS parameters (deliveryMode, priority, and timeToLive)

See also

setDeliveryMode (p. 1212)
setPriority (p. 1213)
setTimeToLive (p. 1214)

6.198.3.15 virtual bool activemq::cmsutil::CmsTemplate::isMessageIdEnabled ( ) const [inline, virtual]

6.198.3.16 virtual bool activemq::cmsutil::CmsTemplate::isMessageTimestampEnabled ( ) const [inline, virtual]

6.198.3.17 virtual bool activemq::cmsutil::CmsTemplate::isNoLocal ( ) const [inline, virtual]

6.198.3.18 CmsTemplate& activemq::cmsutil::CmsTemplate::operator= (const CmsTemplate &) [inline, protected]

6.198.3.19 virtual cms::Message* activemq::cmsutil::CmsTemplate::receive ( ) throw (cms::CMSException) [virtual]

Performs a synchronous read from the default destination.

Returns

the message

Exceptions

cms::CMSException *(p. 1190)*	thrown if an error occurs

6.198.3.20 virtual cms::Message* activemq::cmsutil::CmsTemplate::receive (const std::string & *destinationName*) throw (cms::CMSException) [virtual]

Performs a synchronous read from the specified destination.

Parameters

destination-Name	the name of the destination to receive on (will be resolved to destination internally).

Returns

the message

Exceptions

cms::CMSException *(p. 1190)*	thrown if an error occurs

6.198.3.21 virtual cms::Message* activemq::cmsutil::CmsTemplate::receive (cms::Destination * *destination*) throw (cms::CMSException) [virtual]

Performs a synchronous read from the specified destination.

Parameters

destination	the destination to receive on

Returns

the message

Exceptions

cms::CMSException *(p. 1190)*	thrown if an error occurs

6.198.3.22 virtual cms::Message* activemq::cmsutil::CmsTemplate::receiveSelected (const std::string & *destinationName,* const std::string & *selector*) throw (cms::CMSException) [virtual]

Performs a synchronous read from the specified destination, consuming only messages identified by the given selector.

Parameters

destination-Name	the name of the destination to receive on (will be resolved to destination internally).
selector	the selector expression.

Returns

the message

Exceptions

cms::CMSException (p. *1190*)	thrown if an error occurs

6.198.3.23 virtual cms::Message* activemq::cmsutil::CmsTemplate::receiveSelected (cms::Destination * *destination*, const std::string & *selector*) throw (cms::CMSException) [virtual]

Performs a synchronous read from the specified destination, consuming only messages identified by the given selector.

Parameters

destination	the destination to receive on.
selector	the selector expression.

Returns

the message

Exceptions

cms::CMSException (p. *1190*)	thrown if an error occurs

6.198.3.24 virtual cms::Message* activemq::cmsutil::CmsTemplate::receiveSelected (const std::string & *selector*) throw (cms::CMSException) [virtual]

Performs a synchronous read consuming only messages identified by the given selector.

Parameters

selector	the selector expression.

Returns

the message

Exceptions

cms::CMSException (p. *1190*)	thrown if an error occurs

6.198.3.25 virtual void activemq::cmsutil::CmsTemplate::send (const std::string & *destinationName*, MessageCreator * *messageCreator*) throw (cms::CMSException) [virtual]

Convenience method for sending a message to the specified destination.

Parameters

destinationName	The name of the destination to send to.
messageCreator	Responsible for creating the message to be sent

Exceptions

cms::CMSException (p. *1190*)	thrown if an error occurs.

6.198.3.26 virtual void activemq::cmsutil::CmsTemplate::send (MessageCreator * *messageCreator*) throw (cms::CMSException) [virtual]

Convenience method for sending a message to the default destination.

Parameters

messageCreator	Responsible for creating the message to be sent

Exceptions

cms::CMSException (p. *1190*)	thrown if an error occurs.

6.198.3.27 virtual void activemq::cmsutil::CmsTemplate::send (cms::Destination * *dest*, MessageCreator * *messageCreator*) throw (cms::CMSException) [virtual]

Convenience method for sending a message to the specified destination.

Parameters

dest	The destination to send to
messageCreator	Responsible for creating the message to be sent

Exceptions

cms::CMSException (p. *1190*)	thrown if an error occurs.

6.198.3.28 virtual void activemq::cmsutil::CmsTemplate::setDefaultDestination (cms::Destination * *defaultDestination*) [inline, virtual]

Sets the destination object to be used by default for send/receive operations.

If no default destination is provided, the `defaultDestinationName` property is used to resolve this default destination for send/receive operations.

Parameters

defaultDestination	the default destination

6.198.3.29 virtual void activemq::cmsutil::CmsTemplate::setDefaultDestinationName (const std::string & *defaultDestinationName*) [inline, virtual]

Sets the name of the default destination to be used from send/receive operations.

Calling this method will set the `defaultDestination` property to NULL. The destination type (topic/queue) is determined by the `pubSubDomain` property.

Parameters

defaultDestinationName	the name of the destination for send/receive to by default.

6.198.3.30 virtual void activemq::cmsutil::CmsTemplate::setDeliveryMode (int *deliveryMode*) [inline, virtual]

Set the delivery mode to use when sending a message.

Default is the Message default: "PERSISTENT".

Since a default value may be defined administratively, this is only used when "isExplicitQosEnabled" equals "true".

Parameters

deliveryMode	the delivery mode to use

See also

isExplicitQosEnabled (p. 1208)

6.198.3.31 virtual void activemq::cmsutil::CmsTemplate::setDeliveryPersistent (bool *deliveryPersistent*) [inline, virtual]

Set whether message delivery should be persistent or non-persistent, specified as boolean value ("true" or "false").

This will set the delivery mode accordingly, to either "PERSISTENT" or "NON_-PERSISTENT".

Default it "true" aka delivery mode "PERSISTENT".

See also

setDeliveryMode(int) (p. 1212)

6.198.3.32 virtual void activemq::cmsutil::CmsTemplate::setExplicitQosEnabled (bool *explicitQosEnabled*) [inline, virtual]

Set if the QOS values (deliveryMode, priority, timeToLive) should be used for sending a message.

See also

setDeliveryMode (p. 1212)
setPriority (p. 1213)
setTimeToLive (p. 1214)

6.198.3.33 virtual void activemq::cmsutil::CmsTemplate::setMessageIdEnabled (bool *messageIdEnabled*) [inline, virtual]

6.198.3.34 virtual void activemq::cmsutil::CmsTemplate::setMessageTimestampEnabled (bool *messageTimestampEnabled*) [inline, virtual]

6.198.3.35 virtual void activemq::cmsutil::CmsTemplate::setNoLocal (bool *noLocal*) [inline, virtual]

6.198.3.36 virtual void activemq::cmsutil::CmsTemplate::setPriority (int *priority*) [inline, virtual]

Set the priority of a message when sending.

Since a default value may be defined administratively, this is only used when "isExplicitQosEnabled" equals "true".

See also

isExplicitQosEnabled (p. 1208)

6.198.3.37 virtual void activemq::cmsutil::CmsTemplate::setPubSubDomain (bool *pubSubDomain*) [inline, virtual]

Indicates whether the default destination is a topic (true) or a queue (false).

Calling this method will set the `defaultDestination` property to NULL.

Parameters

pubSubDomain	indicates whether to use pub-sub messaging (topics).

Reimplemented from **activemq::cmsutil::CmsDestinationAccessor** (p. 1190).

References activemq::cmsutil::CmsDestinationAccessor::setPubSubDomain().

6.198.3.38 virtual void activemq::cmsutil::CmsTemplate::setReceiveTimeout (long long *receiveTimeout*) [inline, virtual]

6.198.3.39 virtual void activemq::cmsutil::CmsTemplate::setTimeToLive (long long *timeToLive*) [inline, virtual]

Set the time-to-live of the message when sending.

Since a default value may be defined administratively, this is only used when "isExplicitQosEnabled" equals "true".

Parameters

timeToLive	the message's lifetime (in milliseconds)

See also

isExplicitQosEnabled (p. 1208)

6.198.4 Friends And Related Function Documentation

6.198.4.1 friend class ProducerExecutor [friend]

6.198.4.2 friend class ReceiveExecutor [friend]

6.198.4.3 friend class ResolveProducerExecutor [friend]

6.198.4.4 friend class ResolveReceiveExecutor [friend]

6.198.4.5 friend class SendExecutor [friend]

6.198.5 Field Documentation

6.198.5.1 const int activemq::cmsutil::CmsTemplate::DEFAULT_PRIORITY [static]

Default message priority.

6.198.5.2 const long long activemq::cmsutil::CmsTemplate::DEFAULT_TIME_-TO_LIVE [static]

My default, messages should live forever.

6.198.5.3 const long long activemq::cmsutil::CmsTemplate::RECEIVE_-TIMEOUT_INDEFINITE_WAIT [static]

Timeout value indicating a blocking receive without timeout.

6.198.5.4 const long long activemq::cmsutil::CmsTemplate::RECEIVE_-TIMEOUT_NO_WAIT [static]

Timeout value indicating that a receive operation should check if a message is immediately available without blocking.

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**CmsTemplate.h**

6.199 code Struct Reference

```
#include <src/main/decaf/internal/util/zip/inftrees.h>
```

Data Fields

- unsigned char **op**

- unsigned char **bits**
- unsigned short **val**

6.199.1 Field Documentation

6.199.1.1 unsigned char code::bits

6.199.1.2 unsigned char code::op

6.199.1.3 unsigned short code::val

The documentation for this struct was generated from the following file:

- src/main/decaf/internal/util/zip/**inftrees.h**

6.200 decaf::util::Collection< E > Class Template Reference

The root interface in the collection hierarchy.

`#include <src/main/decaf/util/Collection.h>`

Inheritance diagram for decaf::util::Collection< E >:

Public Member Functions

- virtual ~**Collection** ()
- virtual bool **add** (const E &value)=0 throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException)

  Returns true if this collection changed as a result of the call.

- virtual bool **addAll** (const **Collection**< E > &collection)=0 throw (lang::exceptions::UnsupportedOperati lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException)

  Adds all of the elements in the specified collection to this collection.

- virtual void **clear** ()=0 throw (lang::exceptions::UnsupportedOperationException)

  Removes all of the elements from this collection (optional operation).

- virtual bool **contains** (const E &value) const =0 throw (lang::Exception)

  Returns true if this collection contains the specified element.

- virtual bool **containsAll** (const **Collection**< E > &collection) const =0 throw (lang::Exception)

  Returns true if this collection contains all of the elements in the specified collection.

- virtual bool **equals** (const **Collection**< E > &value) const =0

  Compares the passed collection to this one, if they contain the same elements, i.e.

- virtual bool **isEmpty** () const =0
- virtual bool **remove** (const E &value)=0 throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException)

  Removes a single instance of the specified element from the collection.

- virtual bool **removeAll** (const **Collection**< E > &collection)=0 throw (lang::exceptions::UnsupportedOperationExcep lang::exceptions::IllegalArgumentException)

  Removes all this collection's elements that are also contained in the specified collection (optional operation).

- virtual bool **retainAll** (const **Collection**< E > &collection)=0 throw (lang::exceptions::UnsupportedOperationExcepti lang::exceptions::IllegalArgumentException)

  Retains only the elements in this collection that are contained in the specified collection (optional operation).

- virtual std::size_t **size** () const =0

  Returns the number of elements in this collection.

- virtual std::vector< E > **toArray** () const =0

  Returns an array containing all of the elements in this collection.

6.200.1 Detailed Description

template<typename E> class decaf::util::Collection< E >

The root interface in the collection hierarchy. A collection represents a group of objects, known as its elements. Some collections allow duplicate elements and others do not. Some are ordered and others unordered. This interface is typically used to pass collections around and manipulate them where maximum generality is desired.

All general-purpose **Collection** (p. 1216) implementation classes (which typically implement **Collection** (p. 1216) indirectly through one of its subinterfaces) should provide two "standard" constructors: a void (no arguments) constructor, which creates an empty collection, and a constructor with a single argument of type **Collection** (p. 1216), which creates a new collection with the same elements as its argument. In effect, the latter constructor allows the user to copy any collection, producing an equivalent collection of the desired implementation type. There is no way to enforce this convention (as interfaces cannot contain constructors) but all of the general-purpose **Collection** (p. 1216) implementations in the Decaf platform libraries comply.

The "destructive" methods contained in this interface, that is, the methods that modify the collection on which they operate, are specified to throw UnsupportedOperationException if this collection does not support the operation. If this is the case, these methods may, but are not required to, throw an UnsupportedOperationException if the invocation would have no effect on the collection. For example, invoking the addAll(Collection) method on an unmodifiable collection may, but is not required to, throw the exception if the collection to be added is empty.

Many methods in Collections Framework interfaces are defined in terms of the equals method. For example, the specification for the contains(Object o) method says: "returns true if and only if this collection contains at least one element e such that (o==null ? e==null : o.equals(e))."

Since

1.0

6.200.2 Constructor & Destructor Documentation

6.200.2.1 template<typename E> virtual decaf::util::Collection< E >::~Collection ( ) [inline, virtual]

6.200.3 Member Function Documentation

6.200.3.1 template<typename E> virtual bool decaf::util::Collection< E >::add (const E & *value*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException) [pure virtual]

Returns true if this collection changed as a result of the call.

(Returns false if this collection does not permit duplicates and already contains the specified element.)

Collections that support this operation may place limitations on what elements may be added to this collection. In particular, some collections will refuse to add null elements, and others will impose restrictions on the type of elements that may be added. **Collection** (p. 1216) classes should clearly specify in their documentation any restrictions on what elements may be added.

If a collection refuses to add a particular element for any reason other than that it already contains the element, it must throw an exception (rather than returning false). This preserves the invariant that a collection always contains the specified element after this call returns.

For non-pointer values, i.e. class instances or string's the object will be copied into the collection, thus the object must support being copied, must not hide the copy constructor and assignment operator.

Parameters

value	- reference to the element to add.

Returns

true if the element was added

Exceptions

UnsupportedOperationException	
IllegalArgumentException	
IllegalStateException	if the element cannot be added at this time due to insertion restrictions

Implemented in **decaf::util::AbstractQueue< E >** (p. 177), **decaf::util::PriorityQueue< E >** (p. 3120), **decaf::util::StlList< E >** (p. 3700), **decaf::util::StlSet< E >** (p. 3734), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3700), **decaf::util::StlList< CompositeTask * >** (p. 3700), **decaf::util::StlList< URI >** (p. 3700), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3700), **decaf::util::StlList< PrimitiveValueNode >** (p. 3700), **decaf::util::StlList< Pointer< Command > >** (p. 3700), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3700), **decaf::util::StlList< cms::MessageProducer * >** (p. 3700), **decaf::util::StlList< cms::Destination * >** (p. 3700), **decaf::util::StlList< cms::Session * >** (p. 3700), **decaf::util::StlList< cms::Connection * >** (p. 3700), **decaf::util::StlSet< transport::TransportListener * >** (p. 3734), **decaf::util::StlSet< Pointer< Synchronization > >** (p. 3734), **decaf::util::StlSet< Resource * >** (p. 3734), and **decaf::util::StlSet< ActiveMQSession * >** (p. 3734).

6.200.3.2 template<typename E> virtual bool decaf::util::Collection< E >::addAll (const Collection< E > & *collection*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException) `[pure virtual]`

Adds all of the elements in the specified collection to this collection.

The behavior of this operation is undefined if the specified collection is modified while the operation is in progress. (This implies that the behavior of this call is undefined if the specified collection is this collection, and this collection is nonempty.)

Parameters

collection	- **Collection** (p. 1216) whose elements are added to this one.

Returns

true if this collection changed as a result of the call

Exceptions

UnsupportedOperationException	
IllegalArgumentException	

IllegalStateException	if the element cannot be added at this time due to insertion restrictions

Implemented in **decaf::util::AbstractCollection< E >** (p. 163), **decaf::util::AbstractQueue< E >** (p. 177), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 163), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 163), **decaf::util::AbstractCollection< Resource * >** (p. 163), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 163), **decaf::util::AbstractCollection< CompositeTask * >** (p. 163), **decaf::util::AbstractCollection< URI >** (p. 163), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 163), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 163), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 163), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 163), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 163), **decaf::util::AbstractCollection cms::MessageProducer * >** (p. 163), **decaf::util::AbstractCollection< cms::Destination * >** (p. 163), **decaf::util::AbstractCollection< cms::Session * >** (p. 163), and **decaf::util::AbstractCollectio cms::Connection * >** (p. 163).

6.200.3.3 template<typename E> virtual void decaf::util::Collection< E >::clear ( ) throw (lang::exceptions::UnsupportedOperationException) [pure virtual]

Removes all of the elements from this collection (optional operation).

This collection will be empty after this method returns unless it throws an exception.

Exceptions

UnsupportedOperationException	

Implemented in **decaf::util::AbstractCollection< E >** (p. 163), **decaf::util::AbstractQueue< E >** (p. 178), **decaf::util::concurrent::SynchronousQueue< E >** (p. 3830), **decaf::util::PriorityQueue< E >** (p. 3120), **decaf::util::StlList< E >** (p. 3702), **decaf::util::StlSet< E >** (p. 3735), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 163), **decaf::util::AbstractCollectio Pointer< Synchronization > >** (p. 163), **decaf::util::AbstractCollection< Resource * >** (p. 163), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 163), **decaf::util::AbstractCollection< CompositeTask * >** (p. 163), **decaf::util::AbstractCollection< URI >** (p. 163), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 163), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 163), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 163), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 163), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 163), **decaf::util::AbstractCollection< cms::MessageProducer * >** (p. 163), **decaf::util::AbstractCollection< cms::Destination * >** (p. 163), **decaf::util::AbstractCollection< cms::Session * >** (p. 163), **decaf::util::AbstractCollection< cms::Connection * >** (p. 163), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3702), **decaf::util::StlList< CompositeTask * >** (p. 3702), **decaf::util::StlList< URI >** (p. 3702), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3702), **decaf::util::StlList< PrimitiveValueNode >** (p. 3702), **decaf::util::StlList< Pointer< Command > >** (p. 3702), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3702), **decaf::util::StlList< cms::MessageProducer**

∗ > (p. 3702), **decaf::util::StlList< cms::Destination ∗ >** (p. 3702), **decaf::util::StlList< cms::Session ∗ >** (p. 3702), **decaf::util::StlList< cms::Connection ∗ >** (p. 3702), **decaf::util::StlSet< transport::TransportListener ∗ >** (p. 3735), **decaf::util::StlSet< Pointer< Synchronization > >** (p. 3735), **decaf::util::StlSet< Resource ∗ >** (p. 3735), and **decaf::util::StlSet< ActiveMQSession ∗ >** (p. 3735).

6.200.3.4 template<typename E> virtual bool decaf::util::Collection< E >::contains (const E & *value*) const throw (lang::Exception) [pure virtual]

Returns true if this collection contains the specified element.

More formally, returns true if and only if this collection contains at least one element e such that (o==null ? e==null : o.equals(e)).

Parameters

value	- value to check for presence in the collection

Returns

true if there is at least one of the elements in the collection

Exceptions

Exception	

Implemented in **decaf::util::AbstractCollection< E >** (p. 164), **decaf::util::StlList< E >** (p. 3702), **decaf::util::StlSet< E >** (p. 3736), **decaf::util::AbstractCollection< transport::TransportListener ∗ >** (p. 164), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 164), **decaf::util::AbstractCollection< Resource ∗ >** (p. 164), **decaf::util::AbstractCollection< cms::MessageConsumer ∗ >** (p. 164), **decaf::util::AbstractCollection< CompositeTask ∗ >** (p. 164), **decaf::util::AbstractCollection< URI >** (p. 164), **decaf::util::AbstractCollection< ActiveMQSession ∗ >** (p. 164), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 164), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 164), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 164), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 164), **decaf::util::AbstractCollection< cms::MessageProducer ∗ >** (p. 164), **decaf::util::AbstractCollection< cms::Destination ∗ >** (p. 164), **decaf::util::AbstractCollection< cms::Session ∗ >** (p. 164), **decaf::util::AbstractCollection< cms::Connection ∗ >** (p. 164), **decaf::util::StlList< cms::MessageConsumer ∗ >** (p. 3702), **decaf::util::StlList< CompositeTask ∗ >** (p. 3702), **decaf::util::StlList< URI >** (p. 3702), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3702), **decaf::util::StlList< PrimitiveValueNode >** (p. 3702), **decaf::util::StlList< Pointer< Command > >** (p. 3702), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3702), **decaf::util::StlList< cms::MessageProducer ∗ >** (p. 3702), **decaf::util::StlList< cms::Destination ∗ >** (p. 3702), **decaf::util::StlList< cms::Session ∗ >** (p. 3702), **decaf::util::StlList< cms::Connection ∗ >** (p. 3702), **decaf::util::StlSet< transport::TransportListener ∗ >** (p. 3736), **decaf::util::StlSet< Pointer< Synchronization > >** (p. 3736), **decaf::util::StlSet< Resource ∗ >** (p. 3736), and **decaf::util::StlSet< ActiveMQSession ∗ >** (p. 3736).

6.200.3.5 template<typename E> virtual bool decaf::util::Collection< E >::containsAll (const Collection< E > & *collection*) const throw (lang::Exception) [pure virtual]

Returns true if this collection contains all of the elements in the specified collection.

Parameters

collection	- **Collection** (p. 1216) to compare to this one.

Exceptions

Exception	

Implemented in **decaf::util::AbstractCollection< E >** (p. 165), **decaf::util::concurrent::SynchronousQueue E >** (p. 3830), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 165), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 165), **decaf::util::AbstractCollection< Resource * >** (p. 165), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 165), **decaf::util::AbstractCollection< CompositeTask * >** (p. 165), **decaf::util::AbstractCollection< URI >** (p. 165), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 165), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 165), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 165), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 165), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 165), **decaf::util::AbstractCollection cms::MessageProducer * >** (p. 165), **decaf::util::AbstractCollection< cms::Destination * >** (p. 165), **decaf::util::AbstractCollection< cms::Session * >** (p. 165), and **decaf::util::AbstractCollectio cms::Connection * >** (p. 165).

6.200.3.6 template<typename E> virtual bool decaf::util::Collection< E >::equals (const Collection< E > & *value*) const [pure virtual]

Compares the passed collection to this one, if they contain the same elements, i.e.

all their elements are equivalent, then it returns true.

Returns

true if the Collections contain the same elements.

Implemented in **decaf::util::AbstractCollection< E >** (p. 166), **decaf::util::concurrent::SynchronousQueue E >** (p. 3832), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 166), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 166), **decaf::util::AbstractCollection< Resource * >** (p. 166), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 166), **decaf::util::AbstractCollection< CompositeTask * >** (p. 166), **decaf::util::AbstractCollection< URI >** (p. 166), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 166), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 166), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 166), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 166), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 166), **decaf::util::AbstractCollection cms::MessageProducer * >** (p. 166), **decaf::util::AbstractCollection< cms::Destination**

∗ > (p. 166), **decaf::util::AbstractCollection< cms::Session ∗ >** (p. 166), and **decaf::util::AbstractCollection< cms::Connection ∗ >** (p. 166).

6.200.3.7 template<typename E> virtual bool decaf::util::Collection< E >::isEmpty ( ) const [pure virtual]

Returns

true if this collection contains no elements.

Implemented in **decaf::util::AbstractCollection< E >** (p. 166), **decaf::util::concurrent::SynchronousQueue< E >** (p. 3833), **decaf::util::StlList< E >** (p. 3704), **decaf::util::StlSet< E >** (p. 3736), **decaf::util::AbstractCollection< transport::TransportListener ∗ >** (p. 166), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 166), **decaf::util::AbstractCollection< Resource ∗ >** (p. 166), **decaf::util::AbstractCollection< cms::MessageConsumer ∗ >** (p. 166), **decaf::util::AbstractCollection< CompositeTask ∗ >** (p. 166), **decaf::util::AbstractCollection< URI >** (p. 166), **decaf::util::AbstractCollection< ActiveMQSession ∗ >** (p. 166), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 166), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 166), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 166), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 166), **decaf::util::AbstractCollection< cms::MessageProducer ∗ >** (p. 166), **decaf::util::AbstractCollection< cms::Destination ∗ >** (p. 166), **decaf::util::AbstractCollection< cms::Session ∗ >** (p. 166), **decaf::util::AbstractCollection< cms::Connection ∗ >** (p. 166), **decaf::util::StlList< cms::MessageConsumer ∗ >** (p. 3704), **decaf::util::StlList< CompositeTask ∗ >** (p. 3704), **decaf::util::StlList< URI >** (p. 3704), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3704), **decaf::util::StlList< PrimitiveValueNode >** (p. 3704), **decaf::util::StlList< Pointer< Command > >** (p. 3704), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3704), **decaf::util::StlList< cms::MessageProducer ∗ >** (p. 3704), **decaf::util::StlList< cms::Destination ∗ >** (p. 3704), **decaf::util::StlList< cms::Session ∗ >** (p. 3704), **decaf::util::StlList< cms::Connection ∗ >** (p. 3704), **decaf::util::StlSet< transport::TransportListener ∗ >** (p. 3736), **decaf::util::StlSet< Pointer< Synchronization > >** (p. 3736), **decaf::util::StlSet< Resource ∗ >** (p. 3736), and **decaf::util::StlSet< ActiveMQSession ∗ >** (p. 3736).

6.200.3.8 template<typename E> virtual bool decaf::util::Collection< E >::remove (const E & *value*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException) [pure virtual]

Removes a single instance of the specified element from the collection.

More formally, removes an element e such that (o==null ? e==null : o.equals(e)), if this collection contains one or more such elements. Returns true if this collection contained the specified element (or equivalently, if this collection changed as a result of the call).

Parameters

value	- reference to the element to remove.

Returns

true if the collection was changed

Exceptions

UnsupportedOperationException	
IllegalArgumentException	

Implemented in **decaf::util::AbstractCollection< E >** (p. 168), **decaf::util::PriorityQueue< E >** (p. 3123), **decaf::util::StlList< E >** (p. 3706), **decaf::util::StlSet< E >** (p. 3737), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 168), **decaf::util::AbstractCollectio Pointer< Synchronization > >** (p. 168), **decaf::util::AbstractCollection< Resource * >** (p. 168), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 168), **decaf::util::AbstractCollection< CompositeTask * >** (p. 168), **decaf::util::AbstractCollection< URI >** (p. 168), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 168), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 168), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 168), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 168), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 168), **decaf::util::AbstractCollection< cms::MessageProducer * >** (p. 168), **decaf::util::AbstractCollection< cms::Destination * >** (p. 168), **decaf::util::AbstractCollection< cms::Session * >** (p. 168), **decaf::util::AbstractCollection< cms::Connection * >** (p. 168), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3706), **decaf::util::StlList< CompositeTask * >** (p. 3706), **decaf::util::StlList< URI >** (p. 3706), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3706), **decaf::util::StlList< PrimitiveValueNode >** (p. 3706), **decaf::util::StlList< Pointer< Command > >** (p. 3706), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3706), **decaf::util::StlList< cms::MessageProducer * >** (p. 3706), **decaf::util::StlList< cms::Destination * >** (p. 3706), **decaf::util::StlList< cms::Session * >** (p. 3706), **decaf::util::StlList< cms::Connection * >** (p. 3706), **decaf::util::StlSet< transport::TransportListener * >** (p. 3737), **decaf::util::StlSet< Pointer< Synchronization > >** (p. 3737), **decaf::util::StlSet< Resource * >** (p. 3737), and **decaf::util::StlSet< ActiveMQSession * >** (p. 3737).

6.200.3.9 template<typename E> virtual bool decaf::util::Collection< E >::removeAll (const Collection< E > & *collection*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException) `[pure virtual]`

Removes all this collection's elements that are also contained in the specified collection (optional operation).

After this call returns, this collection will contain no elements in common with the specified collection.

Parameters

collection	- The **Collection** (p. 1216) whose elements are to be removed

Returns

true if the collection changed as a result of this call

Exceptions

UnsupportedOperationException	
IllegalArgumentException	

Implemented in **decaf::util::AbstractCollection< E >** (p. 169), **decaf::util::AbstractSet< E >** (p. 181), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 169), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 169), **decaf::util::AbstractCollection< Resource * >** (p. 169), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 169), **decaf::util::AbstractCollection< CompositeTask * >** (p. 169), **decaf::util::AbstractCollection< URI >** (p. 169), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 169), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 169), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 169), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 169), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 169), **decaf::util::AbstractCollection< cms::MessageProducer * >** (p. 169), **decaf::util::AbstractCollection< cms::Destination * >** (p. 169), **decaf::util::AbstractCollection< cms::Session * >** (p. 169), **decaf::util::AbstractCollection< cms::Connection * >** (p. 169), **decaf::util::AbstractSet< transport::TransportListener * >** (p. 181), **decaf::util::AbstractSet< Pointer< Synchronization > >** (p. 181), **decaf::util::AbstractSet< Resource * >** (p. 181), and **decaf::util::AbstractSet< ActiveMQSession * >** (p. 181).

6.200.3.10 template<typename E> virtual bool decaf::util::Collection< E >::retainAll (const Collection< E > & *collection*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException) `[pure virtual]`

Retains only the elements in this collection that are contained in the specified collection (optional operation).

In other words, removes from this collection all of its elements that are not contained in the specified collection.

Parameters

collection	- The **Collection** (p. 1216) whose elements are to be retained

Returns

true if the collection changed as a result of this call

Exceptions

UnsupportedOperationException	

IllegalArgumentException	

Implemented in **decaf::util::AbstractCollection< E >** (p. 170), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 170), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 170), **decaf::util::AbstractCollection< Resource * >** (p. 170), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 170), **decaf::util::AbstractCollection< CompositeTask * >** (p. 170), **decaf::util::AbstractCollection< URI >** (p. 170), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 170), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 170), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 170), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 170), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 170), **decaf::util::AbstractCollection< cms::MessageProducer * >** (p. 170), **decaf::util::AbstractCollection< cms::Destination * >** (p. 170), **decaf::util::AbstractCollection< cms::Session * >** (p. 170), and **decaf::util::AbstractCollection< cms::Connection * >** (p. 170).

6.200.3.11 template<typename E> virtual std::size_t decaf::util::Collection< E >::size ( ) const [pure virtual]

Returns the number of elements in this collection.

If this collection contains more than Integer.MAX_VALUE elements, returns Integer.MAX_VALUE.

Returns

the number of elements in this collection

Implemented in **decaf::util::concurrent::SynchronousQueue< E >** (p. 3837), **decaf::util::PriorityQueue< E >** (p. 3124), **decaf::util::StlList< E >** (p. 3708), **decaf::util::StlSet< E >** (p. 3737), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3708), **decaf::util::StlList< CompositeTask * >** (p. 3708), **decaf::util::StlList< URI >** (p. 3708), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3708), **decaf::util::StlList< PrimitiveValueNode >** (p. 3708), **decaf::util::StlList< Pointer< Command > >** (p. 3708), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3708), **decaf::util::StlList< cms::MessageProducer * >** (p. 3708), **decaf::util::StlList< cms::Destination * >** (p. 3708), **decaf::util::StlList< cms::Session * >** (p. 3708), **decaf::util::StlList< cms::Connection * >** (p. 3708), **decaf::util::StlSet< transport::TransportListener * >** (p. 3737), **decaf::util::StlSet< Pointer< Synchronization > >** (p. 3737), **decaf::util::StlSet< Resource * >** (p. 3737), and **decaf::util::StlSet< ActiveMQSession * >** (p. 3737).

Referenced by decaf::util::AbstractCollection< cms::Connection * >::equals(), decaf::util::AbstractCollection< cms::Connection * >::isEmpty(), decaf::util::AbstractSet< ActiveMQSession * >::removeAll(), and decaf::util::AbstractCollection< cms::Connection * >::toArray().

6.200.3.12 template<typename E> virtual std::vector<E> decaf::util::Collection< E >::toArray ( ) const [pure virtual]

Returns an array containing all of the elements in this collection.

If the collection makes any guarantees as to what order its elements are returned by its iterator, this method must return the elements in the same order.

This method acts as bridge between array-based and collection-based APIs.

Returns

an array of the elements in this collection.

Implemented in **decaf::util::AbstractCollection**< **E** > (p. 170), **decaf::util::concurrent::SynchronousQueue**< **E** > (p. 3838), **decaf::util::AbstractCollection**< **transport::TransportListener** ∗ > (p. 170), **decaf::util::AbstractCollection**< **Pointer**< **Synchronization** > > (p. 170), **decaf::util::AbstractCollection**< **Resource** ∗ > (p. 170), **decaf::util::AbstractCollection**< **cms::MessageConsumer** ∗ > (p. 170), **decaf::util::AbstractCollection**< **CompositeTask** ∗ > (p. 170), **decaf::util::AbstractCollection**< **URI** > (p. 170), **decaf::util::AbstractCollection**< **ActiveMQSession** ∗ > (p. 170), **decaf::util::AbstractCollection**< **Pointer**< **DestinationInfo** > > (p. 170), **decaf::util::AbstractCollection**< **PrimitiveValueNode** > (p. 170), **decaf::util::AbstractCollection**< **Pointer**< **Command** > > (p. 170), **decaf::util::AbstractCollection**< **Pointer**< **BackupTransport** > > (p. 170), **decaf::util::AbstractCollection**< **cms::MessageProducer** ∗ > (p. 170), **decaf::util::AbstractCollection**< **cms::Destination** ∗ > (p. 170), **decaf::util::AbstractCollection**< **cms::Session** ∗ > (p. 170), and **decaf::util::AbstractCollection**< **cms::Connection** ∗ > (p. 170).

The documentation for this class was generated from the following file:

- src/main/decaf/util/**Collection.h**

6.201 activemq::commands::Command Class Reference

`#include <src/main/activemq/commands/Command.h>`

Inheritance diagram for activemq::commands::Command:

Public Member Functions

- virtual ∼**Command** ()
- virtual void **setCommandId** (int id)=0

  *Sets the **Command** (p. 1227) Id of this **Message** (p. 2596).*

- virtual int **getCommandId** () const =0

  *Gets the **Command** (p. 1227) Id of this **Message** (p. 2596).*

- virtual void **setResponseRequired** (const bool required)=0

  *Set if this **Message** (p. 2596) requires a **Response** (p. 3379).*

- virtual bool **isResponseRequired** () const =0

*Is a **Response** (p. 3379) required for this **Command** (p. 1227).*

- virtual std::string **toString** () const =0

  Returns a provider-specific string that provides information about the contents of the command.

- virtual **decaf::lang::Pointer**< **commands::Command** > **visit** (**activemq::state::CommandVisitor** *visitor)=0 throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

- virtual bool **isConnectionInfo** () const =0
- virtual bool **isConsumerInfo** () const =0
- virtual bool **isBrokerInfo** () const =0
- virtual bool **isKeepAliveInfo** () const =0
- virtual bool **isMessage** () const =0
- virtual bool **isMessageAck** () const =0
- virtual bool **isMessageDispatch** () const =0
- virtual bool **isMessageDispatchNotification** () const =0
- virtual bool **isProducerAck** () const =0
- virtual bool **isProducerInfo** () const =0
- virtual bool **isResponse** () const =0
- virtual bool **isRemoveInfo** () const =0
- virtual bool **isRemoveSubscriptionInfo** () const =0
- virtual bool **isShutdownInfo** () const =0
- virtual bool **isTransactionInfo** () const =0
- virtual bool **isWireFormatInfo** () const =0

6.201.1 Constructor & Destructor Documentation

6.201.1.1 virtual activemq::commands::Command::~Command ( ) [inline, virtual]

6.201.2 Member Function Documentation

6.201.2.1 virtual int activemq::commands::Command::getCommandId ( ) const [pure virtual]

Gets the **Command** (p. 1227) Id of this **Message** (p. 2596).

Returns

Command (p. 1227) Id

Implemented in **activemq::commands::BaseCommand** (p. 767).

6.201.2.2 virtual bool activemq::commands::Command::isBrokerInfo ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 767), and **activemq::commands::BrokerInfo** (p. 907).

6.201.2.3 virtual bool activemq::commands::Command::isConnectionInfo ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 768), and **activemq::commands::ConnectionInfo** (p. 1397).

6.201.2.4 virtual bool activemq::commands::Command::isConsumerInfo ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 768), and **activemq::commands::ConsumerInfo** (p. 1506).

6.201.2.5 virtual bool activemq::commands::Command::isKeepAliveInfo ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 768), and **activemq::commands::KeepAliveInfo** (p. 2337).

6.201.2.6 virtual bool activemq::commands::Command::isMessage ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 768), and **activemq::commands::Message** (p. 2608).

6.201.2.7 virtual bool activemq::commands::Command::isMessageAck ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 768), and **activemq::commands::MessageAck** (p. 2646).

6.201.2.8 virtual bool activemq::commands::Command::isMessageDispatch ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 768), and **activemq::commands::MessageDispatch** (p. 2681).

6.201.2.9 virtual bool activemq::commands::Command::isMessageDispatchNotification ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 768), and **activemq::commands::MessageDispat**
(p. 2719).

6.201.2.10 virtual bool activemq::commands::Command::isProducerAck ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 769), and **activemq::commands::ProducerAck**
(p. 3127).

6.201.2.11 virtual bool activemq::commands::Command::isProducerInfo ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 769), and **activemq::commands::ProducerInfo**
(p. 3188).

6.201.2.12 virtual bool activemq::commands::Command::isRemoveInfo ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 769), and **activemq::commands::RemoveInfo**
(p. 3286).

6.201.2.13 virtual bool activemq::commands::Command::isRemoveSubscriptionInfo ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 769), and **activemq::commands::RemoveSubscri**
(p. 3316).

6.201.2.14 virtual bool activemq::commands::Command::isResponse ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 769), and **activemq::commands::Response**
(p. 3381).

6.201.2.15 virtual bool activemq::commands::Command::isResponseRequired ( ) const [pure virtual]

Is a **Response** (p. 3379) required for this **Command** (p. 1227).

Returns

true if a response is required.

Implemented in **activemq::commands::BaseCommand** (p. 769).

6.201.2.16 virtual bool activemq::commands::Command::isShutdownInfo ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 770), and **activemq::commands::ShutdownInfo** (p. 3575).

6.201.2.17 virtual bool activemq::commands::Command::isTransactionInfo ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 770), and **activemq::commands::TransactionInfo** (p. 3962).

6.201.2.18 virtual bool activemq::commands::Command::isWireFormatInfo ( ) const [pure virtual]

Implemented in **activemq::commands::BaseCommand** (p. 770), and **activemq::commands::WireFormatInfo** (p. 4101).

6.201.2.19 virtual void activemq::commands::Command::setCommandId (int *id*) [pure virtual]

Sets the **Command** (p. 1227) Id of this **Message** (p. 2596).

Parameters

id	**Command** (p. 1227) Id

Implemented in **activemq::commands::BaseCommand** (p. 770).

6.201.2.20 virtual void activemq::commands::Command::setResponseRequired (const bool *required*) [pure virtual]

Set if this **Message** (p. 2596) requires a **Response** (p. 3379).

Parameters

required	true if response is required

Implemented in **activemq::commands::BaseCommand** (p. 770).

6.201.2.21 virtual std::string activemq::commands::Command::toString ( ) const [pure virtual]

Returns a provider-specific string that provides information about the contents of the command.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

Implemented in **activemq::commands::ActiveMQBlobMessage** (p. 189), **activemq::commands::ActiveMQ**
(p. 229), **activemq::commands::ActiveMQMapMessage** (p. 364), **activemq::commands::ActiveMQMessag**
(p. 392), **activemq::commands::ActiveMQObjectMessage** (p. 440), **activemq::commands::ActiveMQStrea**
(p. 547), **activemq::commands::ActiveMQTextMessage** (p. 671), **activemq::commands::BaseCommand**
(p. 770), **activemq::commands::BrokerInfo** (p. 908), **activemq::commands::ConnectionControl**
(p. 1305), **activemq::commands::ConnectionError** (p. 1335), **activemq::commands::ConnectionInfo**
(p. 1398), **activemq::commands::ConsumerControl** (p. 1445), **activemq::commands::ConsumerInfo**
(p. 1507), **activemq::commands::ControlCommand** (p. 1538), **activemq::commands::DataArrayResponse**
(p. 1574), **activemq::commands::DataResponse** (p. 1634), **activemq::commands::DestinationInfo**
(p. 1783), **activemq::commands::ExceptionResponse** (p. 1897), **activemq::commands::FlushCommand**
(p. 2001), **activemq::commands::IntegerResponse** (p. 2162), **activemq::commands::KeepAliveInfo**
(p. 2337), **activemq::commands::Message** (p. 2611), **activemq::commands::MessageAck**
(p. 2647), **activemq::commands::MessageDispatch** (p. 2682), **activemq::commands::MessageDispatchNoti**
(p. 2719), **activemq::commands::MessagePull** (p. 2827), **activemq::commands::ProducerAck**
(p. 3127), **activemq::commands::ProducerInfo** (p. 3189), **activemq::commands::RemoveInfo**
(p. 3287), **activemq::commands::RemoveSubscriptionInfo** (p. 3317), **activemq::commands::ReplayComm**
(p. 3346), **activemq::commands::Response** (p. 3382), **activemq::commands::SessionInfo**
(p. 3507), **activemq::commands::ShutdownInfo** (p. 3575), **activemq::commands::TransactionInfo**
(p. 3963), and **activemq::commands::WireFormatInfo** (p. 4104).

6.201.2.22 virtual decaf::lang::Pointer<commands::Command> activemq::commands::Command::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [pure virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implemented in **activemq::commands::BrokerError** (p. 873), **activemq::commands::BrokerInfo**
(p. 909), **activemq::commands::ConnectionControl** (p. 1306), **activemq::commands::ConnectionError**
(p. 1335), **activemq::commands::ConnectionInfo** (p. 1399), **activemq::commands::ConsumerControl**
(p. 1446), **activemq::commands::ConsumerInfo** (p. 1508), **activemq::commands::ControlCommand**
(p. 1539), **activemq::commands::DestinationInfo** (p. 1783), **activemq::commands::FlushCommand**
(p. 2001), **activemq::commands::KeepAliveInfo** (p. 2338), **activemq::commands::Message**
(p. 2612), **activemq::commands::MessageAck** (p. 2647), **activemq::commands::MessageDispatch**
(p. 2682), **activemq::commands::MessageDispatchNotification** (p. 2720), **activemq::commands::MessageP**
(p. 2828), **activemq::commands::ProducerAck** (p. 3128), **activemq::commands::ProducerInfo**
(p. 3189), **activemq::commands::RemoveInfo** (p. 3287), **activemq::commands::RemoveSubscriptionInfo**
(p. 3317), **activemq::commands::ReplayCommand** (p. 3346), **activemq::commands::Response**
(p. 3382), **activemq::commands::SessionInfo** (p. 3508), **activemq::commands::ShutdownInfo**
(p. 3575), **activemq::commands::TransactionInfo** (p. 3963), and **activemq::commands::WireFormatInfo**
(p. 4104).

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**Command.h**

6.202 activemq::state::CommandVisitor Class Reference

Interface for an Object that can visit the various Command Objects that are sent from and to this client.

`#include <src/main/activemq/state/CommandVisitor.h>`

Inheritance diagram for activemq::state::CommandVisitor:

Public Member Functions

- virtual ~**CommandVisitor** ()
- virtual **decaf::lang::Pointer**< **commands::Command** > **processTransactionInfo** (**commands::TransactionInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processRemoveInfo** (**commands::RemoveInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processConnectionInfo** (**commands::ConnectionInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processSessionInfo** (**commands::SessionInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processProducerInfo** (**commands::ProducerInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processConsumerInfo** (**commands::ConsumerInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processRemoveConnection** (**commands::ConnectionId** *id)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processRemoveSession** (**commands::SessionId** *id)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processRemoveProducer** (**commands::ProducerId** *id)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processRemoveConsumer** (**commands::ConsumerId** *id)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processDestinationInfo** (**commands::DestinationInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processRemoveDestination** (**commands::DestinationInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processRemoveSubscriptionInfo** (**commands::RemoveSubscriptionInfo** *info)=0 throw (exceptions::ActiveMQException)

- virtual **decaf::lang::Pointer< commands::Command > processMessage** (**commands::Message** *send)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processMessageAck** (**commands::MessageAck** *ack)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processMessagePull** (**commands::MessagePull** *pull)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processBeginTransaction** (**commands::TransactionInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processPrepareTransaction** (**commands::TransactionInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processCommitTransactionOnePhase** (**commands::TransactionInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processCommitTransactionTwoPhase** (**commands::TransactionInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processRollbackTransaction** (**commands::TransactionInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processWireFormat** (**commands::WireFormatInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processKeepAliveInfo** (**commands::KeepAliveInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processShutdownInfo** (**commands::ShutdownInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processFlushCommand** (**commands::FlushCommand** *command)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processBrokerInfo** (**commands::BrokerInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processRecoverTransactions** (**commands::TransactionInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processForgetTransaction** (**commands::TransactionInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processEndTransaction** (**commands::TransactionInfo** *info)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processMessageDispatchNotification** (**commands::MessageDispatchNotification** *notification)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processProducerAck** (**commands::ProducerAck** *ack)=0 throw (exceptions::ActiveMQException)

- virtual **decaf::lang::Pointer< commands::Command > processMessageDispatch** (**commands::MessageDispatch** *dispatch)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processControlCommand** (**commands::ControlCommand** *command)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processConnectionError** (**commands::ConnectionError** *error)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processConnectionControl** (**commands::ConnectionControl** *control)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processConsumerControl** (**commands::ConsumerControl** *control)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processBrokerError** (**commands::BrokerError** *error)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processReplayCommand** (**commands::ReplayCommand** *replay)=0 throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processResponse** (**commands::Response** *response)=0 throw (exceptions::ActiveMQException)

6.202.1 Detailed Description

Interface for an Object that can visit the various Command Objects that are sent from and to this client. The Commands themselves implement a `visit` method that is called with an instance of this interface and each one then call the appropriate `processXXX` method.

Since

3.0

6.202.2 Constructor & Destructor Documentation

6.202.2.1 virtual activemq::state::CommandVisitor::~CommandVisitor ( ) [inline, virtual]

6.202.3 Member Function Documentation

6.202.3.1 virtual decaf::lang::Pointer<commands::Command> activemq::state::CommandVisitor::processBeginTransaction (commands::TransactionInfo * *info*) throw (exceptions::ActiveMQException) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1435).

6.202.3.2 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processBrokerError (**commands::BrokerError** * *error*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.3 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processBrokerInfo (**commands::BrokerInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.4 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processCommitTransactionOnePhase (**commands::TransactionInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1436).

6.202.3.5 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processCommitTransactionTwoPhase (**commands::TransactionInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1436).

6.202.3.6 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processConnectionControl (**commands::ConnectionControl** * *control*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.7 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processConnectionError (**commands::ConnectionError** * *error*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.8 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processConnectionInfo (**commands::ConnectionInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1436).

6.202.3.9 virtual decaf::lang::Pointer<commands::Command> activemq::state::CommandVisitor::processConsumerControl (commands::ConsumerControl * *control*) throw (exceptions::ActiveMQException) [pure virtual]

6.202.3.10 virtual decaf::lang::Pointer<commands::Command> activemq::state::CommandVisitor::processConsumerInfo (commands::ConsumerInfo * *info*) throw (exceptions::ActiveMQException) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1436).

6.202.3.11 virtual decaf::lang::Pointer<commands::Command> activemq::state::CommandVisitor::processControlCommand (commands::ControlCommand * *command*) throw (exceptions::ActiveMQException) [pure virtual]

6.202.3.12 virtual decaf::lang::Pointer<commands::Command> activemq::state::CommandVisitor::processDestinationInfo (commands::DestinationInfo * *info*) throw (exceptions::ActiveMQException) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1436).

6.202.3.13 virtual decaf::lang::Pointer<commands::Command> activemq::state::CommandVisitor::processEndTransaction (commands::TransactionInfo * *info*) throw (exceptions::ActiveMQException) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1436).

6.202.3.14 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processFlushCommand (**commands::FlushCommand** * *command*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.15 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processForgetTransaction (**commands::TransactionInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.16 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processKeepAliveInfo (**commands::KeepAliveInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.17 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processMessage (**commands::Message** * *send*) throw (**exceptions::ActiveMQException**) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1437).

6.202.3.18 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processMessageAck (**commands::MessageAck** * *ack*) throw (**exceptions::ActiveMQException**) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1437).

6.202.3.19 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processMessageDispatch (**commands::MessageDispatch** * *dispatch*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.20 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processMessageDispatchNotification (**commands::MessageDispatchNotification** * *notification*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.21 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processMessagePull (**commands::MessagePull** * *pull*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.22 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processPrepareTransaction (**commands::TransactionInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1437).

6.202.3.23 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processProducerAck (**commands::ProducerAck** * *ack*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.24 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processProducerInfo (**commands::ProducerInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1437).

6.202.3.25 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processRecoverTransactions (**commands::TransactionInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.26 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processRemoveConnection (**commands::ConnectionId** * *id*) throw (**exceptions::ActiveMQException**) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1437).

6.202.3.27 virtual decaf::lang::Pointer<commands::Command> activemq::state::CommandVisitor::processRemoveConsumer (commands::ConsumerId * *id*) throw (exceptions::ActiveMQException) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1437).

6.202.3.28 virtual decaf::lang::Pointer<commands::Command> activemq::state::CommandVisitor::processRemoveDestination (commands::DestinationInfo * *info*) throw (exceptions::ActiveMQException) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1438).

6.202.3.29 virtual decaf::lang::Pointer<commands::Command> activemq::state::CommandVisitor::processRemoveInfo (commands::RemoveInfo * *info*) throw (exceptions::ActiveMQException) [pure virtual]

Implemented in **activemq::state::CommandVisitorAdapter** (p. 1245).

6.202.3.30 virtual decaf::lang::Pointer<commands::Command> activemq::state::CommandVisitor::processRemoveProducer (commands::ProducerId * *id*) throw (exceptions::ActiveMQException) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1438).

6.202.3.31 virtual decaf::lang::Pointer<commands::Command> activemq::state::CommandVisitor::processRemoveSession (commands::SessionId * *id*) throw (exceptions::ActiveMQException) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1438).

6.202.3.32 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processRemoveSubscriptionInfo (**commands::RemoveSubscriptionInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.33 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processReplayCommand (**commands::ReplayCommand** * *replay*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.34 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processResponse (**commands::Response** * *response*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.35 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processRollbackTransaction (**commands::TransactionInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1438).

6.202.3.36 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processSessionInfo (**commands::SessionInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

Implemented in **activemq::state::ConnectionStateTracker** (p. 1438).

6.202.3.37 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processShutdownInfo (**commands::ShutdownInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

6.202.3.38 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processTransactionInfo (**commands::TransactionInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

Implemented in **activemq::state::CommandVisitorAdapter** (p. 1247).

6.202.3.39 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitor::processWireFormat (**commands::WireFormatInfo** * *info*) throw (**exceptions::ActiveMQException**) [pure virtual]

The documentation for this class was generated from the following file:

- src/main/activemq/state/**CommandVisitor.h**

6.203 activemq::state::CommandVisitorAdapter Class Reference

Default Implementation of a **CommandVisitor** (p. 1233) that returns NULL for all calls.

`#include <src/main/activemq/state/CommandVisitorAdapter.h>`

Inheritance diagram for activemq::state::CommandVisitorAdapter:

Public Member Functions

- virtual ~**CommandVisitorAdapter** ()
- virtual **decaf::lang::Pointer**< **commands::Command** > **processRemoveConnection** (**commands::ConnectionId** *id AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processRemoveSession** (**commands::SessionId** *id AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processRemoveProducer** (**commands::ProducerId** *id AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processRemoveConsumer** (**commands::ConsumerId** *id AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processDestinationInfo** (**commands::DestinationInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processRemoveDestination** (**commands::DestinationInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processRemoveSubscriptionInfo** (**commands::RemoveSubscriptionInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processMessage** (**commands::Message** *send AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processMessageAck** (**commands::MessageAck** *ack AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer**< **commands::Command** > **processMessagePull** (**commands::MessagePull** *pull AMQCPP_UNUSED) throw (exceptions::ActiveMQException)

- virtual **decaf::lang::Pointer< commands::Command > processBeginTransaction** (**commands::TransactionInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processPrepareTransaction** (**commands::TransactionInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processCommitTransactionOnePhase** (**commands::TransactionInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processCommitTransactionTwoPhase** (**commands::TransactionInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processRollbackTransaction** (**commands::TransactionInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processWireFormat** (**commands::WireFormatInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processKeepAliveInfo** (**commands::KeepAliveInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processShutdownInfo** (**commands::ShutdownInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processFlushCommand** (**commands::FlushCommand** *command AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processBrokerInfo** (**commands::BrokerInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processRecoverTransactions** (**commands::TransactionInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processForgetTransaction** (**commands::TransactionInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processEndTransaction** (**commands::TransactionInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processMessageDispatchNotification** (**commands::MessageDispatchNotification** *notification AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processProducerAck** (**commands::ProducerAck** *ack AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processMessageDispatch** (**commands::MessageDispatch** *dispatch AMQCPP_UNUSED) throw (exceptions::ActiveMQException)

- virtual **decaf::lang::Pointer< commands::Command > processControlCommand** (**commands::ControlCommand** *command AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processConnectionError** (**commands::ConnectionError** *error AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processConnectionControl** (**commands::ConnectionControl** *control AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processConsumerControl** (**commands::ConsumerControl** *control AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processBrokerError** (**commands::BrokerError** *error AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processReplayCommand** (**commands::ReplayCommand** *replay AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processResponse** (**commands::Response** *response AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processConnectionInfo** (**commands::ConnectionInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processSessionInfo** (**commands::SessionInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processProducerInfo** (**commands::ProducerInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processConsumerInfo** (**commands::ConsumerInfo** *info AMQCPP_UNUSED) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processTransactionInfo** (**commands::TransactionInfo** *info) throw (exceptions::ActiveMQException)
- virtual **decaf::lang::Pointer< commands::Command > processRemoveInfo** (**commands::RemoveInfo** *info) throw (exceptions::ActiveMQException)

6.203.1 Detailed Description

Default Implementation of a **CommandVisitor** (p. 1233) that returns NULL for all calls.

Since

3.0

6.203.2 Constructor & Destructor Documentation

6.203.2.1 virtual activemq::state::CommandVisitorAdapter::~CommandVisitorAdapter ( ) [inline, virtual]

6.203.3 Member Function Documentation

6.203.3.1 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processBeginTransaction (**commands::TransactionInfo** *info *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.2 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processBrokerError (**commands::BrokerError** *error *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.3 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processBrokerInfo (**commands::BrokerInfo** *info *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.4 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processCommitTransactionOnePhase (**commands::TransactionInfo** *info *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.5 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processCommitTransactionTwoPhase (**commands::TransactionInfo** *info *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.6 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processConnectionControl (**commands::ConnectionControl** *control *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.7 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processConnectionError (**commands::ConnectionError** *error *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.8 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processConnectionInfo (**commands::ConnectionInfo** *info *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.9 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processConsumerControl (**commands::ConsumerControl** *control *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.10 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processConsumerInfo (**commands::ConsumerInfo** *info *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.11 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processControlCommand (

References activemq::commands::ConnectionId::ID_CONNECTIONID, activemq::commands::ConsumerId::ID_CONSUMERID, activemq::commands::ProducerId::ID_PRODUCERID, and activemq::commands::SessionId::ID_SESSIONID.

6.203.3.30 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processRemoveProducer (**commands::ProducerId** *id *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.31 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processRemoveSession (**commands::SessionId** *id *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.32 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processRemoveSubscriptionInfo (**commands::RemoveSubscriptionInfo** *info *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.33 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processReplayCommand (**commands::ReplayCommand** *replay *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.34 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processResponse (**commands::Response** *response *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.35 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processRollbackTransaction (**commands::TransactionInfo** *info *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.36 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processSessionInfo (**commands::SessionInfo** *info *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.37 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processShutdownInfo (**commands::ShutdownInfo** *info *AMQCPP_UNUSED*) throw (**exceptions::ActiveMQException**) [inline, virtual]

6.203.3.38 virtual **decaf::lang::Pointer<commands::Command>** activemq::state::CommandVisitorAdapter::processTransactionInfo (**commands::TransactionInfo** * *info*) throw (**exceptions::ActiveMQException**) [inline, virtual]

Implements **activemq::state::CommandVisitor** (p. 1241).

References activemq::core::ActiveMQConstants::TRANSACTION_STATE_BEGIN, activemq::core::ActiveMQConstants::T
STATE_COMMITONEPHASE, activemq::core::ActiveMQConstants::TRANSACTION_-
STATE_COMMITTWOPHASE, activemq::core::ActiveMQConstants::TRANSACTION_-

STATE_END, activemq::core::ActiveMQConstants::TRANSACTION_STATE_FORGET, activemq::core::ActiveMQConstants::TRANSACTION_STATE_PREPARE, activemq::core::ActiveMQConstan STATE_RECOVER, and activemq::core::ActiveMQConstants::TRANSACTION_STATE_-ROLLBACK.

6.203.3.39 virtual decaf::lang::Pointer<commands::Command> activemq::state::CommandVisitorAdapter::processWireFormat (commands::WireFormatInfo *info *AMQCPP_UNUSED*) throw (exceptions::ActiveMQException) [inline, virtual]

The documentation for this class was generated from the following file:

- src/main/activemq/state/**CommandVisitorAdapter.h**

6.204 decaf::lang::Comparable< T > Class Template Reference

This interface imposes a total ordering on the objects of each class that implements it.

`#include <src/main/decaf/lang/Comparable.h>`

Public Member Functions

- virtual ~**Comparable** ()
- virtual int **compareTo** (const T &value) const =0

  Compares this object with the specified object for order.

- virtual bool **equals** (const T &value) const =0
- virtual bool **operator==** (const T &value) const =0

  Compares equality between this object and the one passed.

- virtual bool **operator<** (const T &value) const =0

  Compares this object to another and returns true if this object is considered to be less than the one passed.

6.204.1 Detailed Description

template<typename T> class decaf::lang::Comparable< T >

This interface imposes a total ordering on the objects of each class that implements it. This ordering is referred to as the class's natural ordering, and the class's compareTo method is referred to as its natural comparison method.

6.204.2 Constructor & Destructor Documentation

6.204.2.1 template<typename T> virtual decaf::lang::Comparable< T >::~Comparable ( ) [inline, virtual]

6.204.3 Member Function Documentation

6.204.3.1 template<typename T> virtual int decaf::lang::Comparable< T >::compareTo (const T & *value*) const [pure virtual]

Compares this object with the specified object for order.

Returns a negative integer, zero, or a positive integer as this object is less than, equal to, or greater than the specified object.

In the foregoing description, the notation sgn(expression) designates the mathematical signum function, which is defined to return one of -1, 0, or 1 according to whether the value of expression is negative, zero or positive. The implementor must ensure sgn(x.compareTo(y)) == -sgn(y.compareTo(x)) for all x and y. (This implies that x.compareTo(y) must throw an exception iff y.compareTo(x) throws an exception.)

The implementor must also ensure that the relation is transitive: (x.compareTo(y)>0 && y.compareTo(z)>0) implies x.compareTo(z)>0.

Finally, the implementer must ensure that x.compareTo(y)==0 implies that sgn(x.compareTo(z)) == sgn(y.compareTo(z)), for all z.

It is strongly recommended, but not strictly required that (x.compareTo(y)==0) == (x.equals(y)). Generally speaking, any class that implements the **Comparable** (p. 1248) interface and violates this condition should clearly indicate this fact. The recommended language is "Note: this class has a natural ordering that is inconsistent with equals."

Parameters

value	- the Object to be compared.

Returns

a negative integer, zero, or a positive integer as this object is less than, equal to, or greater than the specified object.

Implemented in **decaf::lang::Boolean** (p. 857), **decaf::lang::Boolean** (p. 858), **decaf::lang::Byte** (p. 972), **decaf::lang::Byte** (p. 972), **decaf::lang::Character** (p. 1129), **decaf::lang::Character** (p. 1129), **decaf::lang::Double** (p. 1845), **decaf::lang::Double** (p. 1845), **decaf::lang::Float** (p. 1965), **decaf::lang::Float** (p. 1965), **decaf::lang::Integer** (p. 2148), **decaf::lang::Integer** (p. 2147), **decaf::lang::Long** (p. 2499), **decaf::lang::Long** (p. 2499), **decaf::lang::Short** (p. 3542), and **decaf::lang::Short** (p. 3541).

6.204.3.2 template<typename T> virtual bool decaf::lang::Comparable< T >::equals (const T & *value*) const [pure virtual]

Returns

true if this value is considered equal to the passed value.

Implemented in **decaf::lang::Boolean** (p. 858), **decaf::lang::Boolean** (p. 858), **decaf::lang::Byte** (p. 974), **decaf::lang::Byte** (p. 974), **decaf::lang::Character** (p. 1130), **decaf::lang::Character** (p. 1130), **decaf::lang::Double** (p. 1847), **decaf::lang::Double** (p. 1847), **decaf::lang::Float** (p. 1966), **decaf::lang::Float** (p. 1966), **decaf::lang::Integer** (p. 2149), **decaf::lang::Integer** (p. 2149), **decaf::lang::Long** (p. 2500), **decaf::lang::Long** (p. 2501), **decaf::lang::Short** (p. 3543), and **decaf::lang::Short** (p. 3543).

6.204.3.3 template<typename T> virtual bool decaf::lang::Comparable< T >::operator< (const T & *value*) const [pure virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implemented in **decaf::lang::Boolean** (p. 859), **decaf::lang::Boolean** (p. 858), **decaf::lang::Byte** (p. 975), **decaf::lang::Byte** (p. 975), **decaf::lang::Character** (p. 1132), **decaf::lang::Character** (p. 1133), **decaf::lang::Double** (p. 1849), **decaf::lang::Double** (p. 1849), **decaf::lang::Float** (p. 1969), **decaf::lang::Float** (p. 1969), **decaf::lang::Integer** (p. 2152), **decaf::lang::Integer** (p. 2151), **decaf::lang::Long** (p. 2503), **decaf::lang::Long** (p. 2503), **decaf::lang::Short** (p. 3544), and **decaf::lang::Short** (p. 3544).

6.204.3.4 template<typename T> virtual bool decaf::lang::Comparable< T >::operator== (const T & *value*) const [pure virtual]

Compares equality between this object and the one passed.

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implemented in **decaf::lang::Boolean** (p. 859), **decaf::lang::Boolean** (p. 859), **decaf::lang::Byte** (p. 975), **decaf::lang::Byte** (p. 976), **decaf::lang::Character** (p. 1133), **decaf::lang::Character** (p. 1133), **decaf::lang::Double** (p. 1849), **decaf::lang::Double** (p. 1850), **decaf::lang::Float** (p. 1970), **decaf::lang::Float** (p. 1970), **decaf::lang::Integer** (p. 2152), **decaf::lang::Integer** (p. 2152), **decaf::lang::Long** (p. 2504), **decaf::lang::Long** (p. 2504), **decaf::lang::Short** (p. 3544), and **decaf::lang::Short** (p. 3545).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Comparable.h**

6.205 decaf::util::Comparator< T > Class Template Reference

A comparison function, which imposes a total ordering on some collection of objects.

`#include <src/main/decaf/util/Comparator.h>`

Inheritance diagram for decaf::util::Comparator< T >:

Public Member Functions

- virtual ~**Comparator** ()
- virtual bool **operator()** (const T &left, const T &right) const =0

  *Implementation of the Binary function interface as a means of allowing a **Comparator** (p. 1251) to be passed to an STL **Map** (p. 2538) for use as the sorting criteria.*

- virtual int **compare** (const T &o1, const T &o2) const =0

  Compares its two arguments for order.

6.205.1 Detailed Description

template<typename T> class decaf::util::Comparator< T >

A comparison function, which imposes a total ordering on some collection of objects. Comparators can be passed to a sort method (such as Collections.sort) to allow precise control over the sort order. Comparators can also be used to control the order of certain data structures.

The ordering imposed by a **Comparator** (p. 1251) c on a set of elements S is said to be consistent with equals if and only if (compare(e1, e2) == 0) has the same boolean value as (e1 == e2) for every e1 and e2 in S.

6.205.2 Constructor & Destructor Documentation

6.205.2.1 template<typename T> virtual decaf::util::Comparator< T >::~Comparator ( ) [inline, virtual]

6.205.3 Member Function Documentation

6.205.3.1 template<typename T> virtual int decaf::util::Comparator< T >::compare (const T & *o1*, const T & *o2*) const [pure virtual]

Compares its two arguments for order.

Returns a negative integer, zero, or a positive integer as the first argument is less than, equal to, or greater than the second.

The implementor must ensure that sgn(compare(x, y)) == -sgn(compare(y, x)) for all x and y. (This implies that compare(x, y) must throw an exception if and only if compare(y, x) throws an exception.)

The implementor must also ensure that the relation is transitive: ((compare(x, y)>0) && (compare(y, z)>0)) implies compare(x, z)>0.

Finally, the implementer must ensure that compare(x, y)==0 implies that sgn(compare(x, z))==sgn(compare(y, z)) for all z.

It is generally the case, but not strictly required that (compare(x, y)==0) == (x == y)). Generally speaking, any comparator that violates this condition should clearly indicate this fact. The recommended language is "Note: this comparator imposes orderings that are inconsistent with equals."

Parameters

o1	- the first object to be compared
o2	- the second object to be compared

Returns

a negative integer, zero, or a positive integer as the first argument is less than, equal to, or greater than the second.

Implemented in **decaf::util::comparators::Less< E >** (p. 2400).

6.205.3.2 template<typename T> virtual bool decaf::util::Comparator< T >::operator() (const T & *left*, const T & *right*) const [pure virtual]

Implementation of the Binary function interface as a means of allowing a **Comparator** (p. 1251) to be passed to an STL **Map** (p. 2538) for use as the sorting criteria.

Parameters

left	- the Left hand side operand.
right	- the Right hand side operand.

Returns

true if the vale of left is less than the value of right.

Implemented in **decaf::util::comparators::Less**< **E** > (p. 2401).

The documentation for this class was generated from the following file:

- src/main/decaf/util/**Comparator.h**

6.206 activemq::util::CompositeData Class Reference

Represents a Composite URI.

`#include <src/main/activemq/util/CompositeData.h>`

Public Member Functions

- **CompositeData** ()
- virtual ~**CompositeData** ()
- **StlList**< **URI** > & **getComponents** ()
- const **StlList**< **URI** > & **getComponents** () const
- void **setComponents** (const **StlList**< **URI** > &components)
- std::string **getFragment** () const
- void **setFragment** (const std::string &fragment)
- const **Properties** & **getParameters** () const
- void **setParameters** (const **Properties** &parameters)
- std::string **getScheme** () const
- void **setScheme** (const std::string &scheme)
- std::string **getPath** () const
- void **setPath** (const std::string &path)
- std::string **getHost** () const
- void **setHost** (const std::string &host)
- **URI toURI** () const throw (decaf::net::URISyntaxException)

6.206.1 Detailed Description

Represents a Composite URI.

Since

3.0

6.206.2 Constructor & Destructor Documentation

6.206.2.1 activemq::util::CompositeData::CompositeData ( )

6.206.2.2 virtual activemq::util::CompositeData::~CompositeData ( ) [virtual]

6.206.3 Member Function Documentation

6.206.3.1 StlList<URI>& activemq::util::CompositeData::getComponents ( ) [inline]

6.206.3.2 const StlList<URI>& activemq::util::CompositeData::getComponents ( ) const [inline]

6.206.3.3 std::string activemq::util::CompositeData::getFragment ( ) const [inline]

6.206.3.4 std::string activemq::util::CompositeData::getHost ( ) const [inline]

6.206.3.5 const Properties& activemq::util::CompositeData::getParameters ( ) const [inline]

6.206.3.6 std::string activemq::util::CompositeData::getPath ( ) const [inline]

6.206.3.7 std::string activemq::util::CompositeData::getScheme ( ) const [inline]

6.206.3.8 void activemq::util::CompositeData::setComponents (const StlList< URI > & *components*) [inline]

6.206.3.9 void activemq::util::CompositeData::setFragment (const std::string & *fragment*) [inline]

6.206.3.10 void activemq::util::CompositeData::setHost (const std::string & *host*) [inline]

6.206.3.11 void activemq::util::CompositeData::setParameters (const Properties & *parameters*) [inline]

6.206.3.12 void activemq::util::CompositeData::setPath (const std::string & *path*) [inline]

6.206.3.13 void activemq::util::CompositeData::setScheme (const std::string & *scheme*) [inline]

6.206.3.14 URI activemq::util::CompositeData::toURI ( ) const throw (decaf::net::URISyntaxException)

The documentation for this class was generated from the following file:

- src/main/activemq/util/**CompositeData.h**

6.207 activemq::threads::CompositeTask Class Reference

Represents a single task that can be part of a set of Tasks that are contained in a **CompositeTaskRunner** (p. 1256).

`#include <src/main/activemq/threads/CompositeTask.h>`

Inheritance diagram for activemq::threads::CompositeTask:

Public Member Functions

- virtual ~**CompositeTask** ()
- virtual bool **isPending** () const =0

  *Indicates whether this task has any pending work that needs to be done, if not then it is skipped and the next **Task** (p. 3846) in the CompositeTaskRunner's list of tasks is checked, if none of the tasks have any pending work to do, then the runner can go to sleep until it awakened by a call to* `wakeup`.

6.207.1 Detailed Description

Represents a single task that can be part of a set of Tasks that are contained in a **CompositeTaskRunner** (p. 1256).

Since

3.0

6.207.2 Constructor & Destructor Documentation

6.207.2.1 virtual activemq::threads::CompositeTask::~CompositeTask ( ) [inline, virtual]

6.207.3 Member Function Documentation

6.207.3.1 virtual bool activemq::threads::CompositeTask::isPending ( ) const [pure virtual]

Indicates whether this task has any pending work that needs to be done, if not then it is skipped and the next **Task** (p. 3846) in the CompositeTaskRunner's list of tasks is checked, if none of the tasks have any pending work to do, then the runner can go to sleep until it awakened by a call to `wakeup`.

Since

3.0

Implemented in **activemq::transport::failover::BackupTransportPool** (p. 764), **activemq::transport::failover::CloseTransportsTask** (p. 1182), and **activemq::transport::failover::FailoverT** (p. 1936).

The documentation for this class was generated from the following file:

- src/main/activemq/threads/**CompositeTask.h**

6.208 activemq::threads::CompositeTaskRunner Class Reference

A **Task** (p. 3846) Runner that can contain one or more CompositeTasks that are each checked for pending work and run if any is present in the order that the tasks were added.

`#include <src/main/activemq/threads/CompositeTaskRunner.h>`

Inheritance diagram for activemq::threads::CompositeTaskRunner:

Public Member Functions

- **CompositeTaskRunner** ()
- virtual ∼**CompositeTaskRunner** ()
- void **addTask** (**CompositeTask** ∗task)

  *Adds a new **CompositeTask** (p. 1255) to the Set of Tasks that this class manages.*

- void **removeTask** (**CompositeTask** ∗task)

  *Removes a **CompositeTask** (p. 1255) that was added previously.*

- virtual void **shutdown** (unsigned int timeout)

  Shutdown after a timeout, does not guarantee that the task's iterate method has completed and the thread halted.

- virtual void **shutdown** ()

  Shutdown once the task has finished and the TaskRunner's thread has exited.

- virtual void **wakeup** ()

  *Signal the **TaskRunner** (p. 3849) to wakeup and execute another iteration cycle on the task, the **Task** (p. 3846) instance will be run until its iterate method has returned false indicating it is done.*

Protected Member Functions

- virtual void **run** ()

  Run method - called by the Thread class in the context of the thread.

- virtual bool **iterate** ()

  Perform one iteration of work, returns true if the task needs to run again to complete or false to indicate that the task is now complete.

6.208.1 Detailed Description

A **Task** (p. 3846) Runner that can contain one or more CompositeTasks that are each checked for pending work and run if any is present in the order that the tasks were added.

Since

3.0

6.208.2 Constructor & Destructor Documentation

6.208.2.1 activemq::threads::CompositeTaskRunner::CompositeTaskRunner ( )

6.208.2.2 virtual activemq::threads::CompositeTaskRunner::∼CompositeTaskRunner ( ) [virtual]

6.208.3 Member Function Documentation

6.208.3.1 void activemq::threads::CompositeTaskRunner::addTask (CompositeTask * *task*)

Adds a new **CompositeTask** (p. 1255) to the Set of Tasks that this class manages.

Parameters

task	- Pointer to a **CompositeTask** (p. 1255) instance.

6.208.3.2 virtual bool activemq::threads::CompositeTaskRunner::iterate ( ) [protected, virtual]

Perform one iteration of work, returns true if the task needs to run again to complete or false to indicate that the task is now complete.

Returns

true if the task should be run again or false if the task has completed and the runner should wait for a wakeup call.

Implements **activemq::threads::Task** (p. 3847).

6.208.3.3 void activemq::threads::CompositeTaskRunner::removeTask (CompositeTask * *task*)

Removes a **CompositeTask** (p. 1255) that was added previously.

Parameters

task	- Pointer to a **CompositeTask** (p. 1255) instance.

6.208.3.4 virtual void activemq::threads::CompositeTaskRunner::run ( ) [protected, virtual]

Run method - called by the Thread class in the context of the thread.

Implements **decaf::lang::Runnable** (p. 3419).

6.208.3.5 virtual void activemq::threads::CompositeTaskRunner::shutdown ( ) [virtual]

Shutdown once the task has finished and the TaskRunner's thread has exited.

Implements **activemq::threads::TaskRunner** (p. 3849).

6.208.3.6 virtual void activemq::threads::CompositeTaskRunner::shutdown (unsigned int *timeout*) [virtual]

Shutdown after a timeout, does not guarantee that the task's iterate method has completed and the thread halted.

Parameters

timeout	- Time in Milliseconds to wait for the task to stop.

Implements **activemq::threads::TaskRunner** (p. 3849).

6.208.3.7 virtual void activemq::threads::CompositeTaskRunner::wakeup ( ) [virtual]

Signal the **TaskRunner** (p. 3849) to wakeup and execute another iteration cycle on the task, the **Task** (p. 3846) instance will be run until its iterate method has returned false indicating it is done.

Implements **activemq::threads::TaskRunner** (p. 3850).

The documentation for this class was generated from the following file:

- src/main/activemq/threads/**CompositeTaskRunner.h**

6.209 activemq::transport::CompositeTransport Class Reference

A Composite **Transport** (p. 3996) is a **Transport** (p. 3996) implementation that is composed of several Transports.

```
#include <src/main/activemq/transport/CompositeTransport.h>
```

Inheritance diagram for activemq::transport::CompositeTransport:

Public Member Functions

- virtual ~**CompositeTransport** ()
- virtual void **addURI** (const **List**< **URI** > &uris)=0

  *Add a URI to the list of URI's that will represent the set of Transports that this **Transport** (p. 3996) is a composite of.*

- virtual void **removeURI** (const **List**< **URI** > &uris)=0

  *Remove a URI from the set of URI's that represents the set of Transports that this **Transport** (p. 3996) is composed of, removing a URI for which the composite has created a connected **Transport** (p. 3996) should result in that **Transport** (p. 3996) being disposed of.*

6.209.1 Detailed Description

A Composite **Transport** (p. 3996) is a **Transport** (p. 3996) implementation that is composed of several Transports. The composition could be such that only one **Transport** (p. 3996) exists for each URI that is composed or there could be many active Transports working at once.

Since

3.0

6.209.2 Constructor & Destructor Documentation

6.209.2.1 virtual activemq::transport::CompositeTransport::~CompositeTransport ( ) [inline, virtual]

6.209.3 Member Function Documentation

6.209.3.1 virtual void activemq::transport::CompositeTransport::addURI (const List< URI > & *uris*) [pure virtual]

Add a URI to the list of URI's that will represent the set of Transports that this **Transport** (p. 3996) is a composite of.

Parameters

uris	The new URI set to add to the set this composite maintains.

Implemented in **activemq::transport::failover::FailoverTransport** (p. 1933).

6.209.3.2 virtual void activemq::transport::CompositeTransport::removeURI (const List< URI > & *uris*) [pure virtual]

Remove a URI from the set of URI's that represents the set of Transports that this **Transport** (p. 3996) is composed of, removing a URI for which the composite has created a connected **Transport** (p. 3996) should result in that **Transport** (p. 3996) being disposed of.

Parameters

uris	The new URI set to remove to the set this composite maintains.

Implemented in **activemq::transport::failover::FailoverTransport** (p. 1938).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/**CompositeTransport.h**

6.210 decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR > Class Template Reference

Interface for a **Map** (p. 2538) type that provides additional atomic putIfAbsent, remove, and replace methods alongside the already available **Map** (p. 2538) interface.

`#include <src/main/decaf/util/concurrent/ConcurrentMap.h>`

Inheritance diagram for decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR >:

Public Member Functions

- virtual ~**ConcurrentMap** ()
- virtual bool **putIfAbsent** (const K &key, const V &value)=0 throw (decaf::lang::exceptions::UnsupportedO)

  If the specified key is not already associated with a value, associate it with the given value.

- virtual bool **remove** (const K &key, const V &value)=0

  Remove entry for key only if currently mapped to given value.

- virtual bool **replace** (const K &key, const V &oldValue, const V &newValue)=0

  Replace entry for key only if currently mapped to given value.

- virtual V **replace** (const K &key, const V &value)=0 throw (decaf::lang::exceptions::NoSuchElementException)

  Replace entry for key only if currently mapped to some value.

6.210.1 Detailed Description

template<typename K, typename V, typename COMPARATOR> class decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR >

Interface for a **Map** (p. 2538) type that provides additional atomic putIfAbsent, remove, and replace methods alongside the already available **Map** (p. 2538) interface.

Since

1.0

6.210.2 Constructor & Destructor Documentation

6.210.2.1 template<typename K, typename V, typename COMPARATOR> virtual decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR >::~ConcurrentMap ( ) [inline, virtual]

6.210.3 Member Function Documentation

6.210.3.1 template<typename K, typename V, typename COMPARATOR> virtual bool decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR >::putIfAbsent (const K & *key*, const V & *value*) throw (decaf::lang::exceptions::UnsupportedOperationException) [pure virtual]

If the specified key is not already associated with a value, associate it with the given value.

This is equivalent to

```
if( !map.containsKey( key ) ) {
    map.put( key, value );
    return true;
} else {
    return false;
}
```

except that the action is performed atomically.

Parameters

key	The key to map the value to.
value	The value to map to the given key.

Returns

true if the put operation was performed otherwise return false which indicates there was a value previously mapped to the key.

Exceptions

UnsupportedOperationException	if the put operation is not supported by this map

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1276), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1276), **decaf::util::concurrent::Concur Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1276), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1276), **decaf::util::concurrent::Conc Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1276), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1276), and **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1276).

6.210.3.2 template<typename K, typename V, typename COMPARATOR> virtual bool decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR >::remove (const K & *key*, const V & *value*) [pure virtual]

Remove entry for key only if currently mapped to given value.

Acts as

```
if( ( map.containsKey( key ) && ( map.get( key ) == value ) ) ) {
    map.remove( key );
    return true;
} else {
    return false;
}
```

except that the action is performed atomically.

Parameters

key	key with which the specified value is associated.
value	value associated with the specified key.

Returns

true if the value was removed, false otherwise

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1277), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1277), **decaf::util::concurrent::ConcurrentStlMap Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1277), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1277), **decaf::util::concurrent::ConcurrentStlMa Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1277), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1277), and **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1277).

6.210.3.3 template<typename K, typename V, typename COMPARATOR> virtual bool decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR >::replace (const K & *key*, const V & *oldValue*, const V & *newValue*) [pure virtual]

Replace entry for key only if currently mapped to given value.

Acts as

```
if( ( map.containsKey( key ) && ( map.get( key ) == oldValue  ) ) {
    map.put( key, newValue );
    return true;
} else {
    return false;
}
```

except that the action is performed atomically.

Parameters

key	key with which the specified value is associated.
oldValue	value expected to be associated with the specified key.
newValue	value to be associated with the specified key.

Returns

true if the value was replaced

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1279), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1279), **decaf::util::concurrent::ConcurrentStlMap Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1279), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1279), **decaf::util::concurrent::ConcurrentStlMa Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >**

(p. 1279), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1279), and **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1279).

6.210.3.4 template<typename K, typename V, typename COMPARATOR> virtual V decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR >::replace (const K & *key*, const V & *value*) throw (decaf::lang::exceptions::NoSuchElementException) [pure virtual]

Replace entry for key only if currently mapped to some value.

Acts as

```
if( ( map.containsKey( key ) ) {
    return map.put( key, value );
} else {
    throw NoSuchElementException(...);
};
```

except that the action is performed atomically.

Parameters

key	key with which the specified value is associated.
value	value to be associated with the specified key.

Returns

copy of the previous value associated with specified key, or throws an NoSuchElementException if there was no mapping for key.

Exceptions

NoSuchElementException	if there was no previous mapping.

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1278), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1278), **decaf::util::concurrent::Concur Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1278), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1278), **decaf::util::concurrent::Conc Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1278), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1278), and **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1278).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**ConcurrentMap.h**

6.211 decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR > Class Template Reference

Map (p. 2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map.

```
#include <src/main/decaf/util/concurrent/ConcurrentStlMap.h>
```

Inheritance diagram for decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >:

Public Member Functions

- **ConcurrentStlMap** ()

  Default constructor - does nothing.

- **ConcurrentStlMap** (const **ConcurrentStlMap** &source)

  Copy constructor - copies the content of the given map into this one.

- **ConcurrentStlMap** (const **Map**< K, V, COMPARATOR > &source)

  Copy constructor - copies the content of the given map into this one.

- virtual ~**ConcurrentStlMap** ()
- virtual bool **equals** (const **ConcurrentStlMap** &source) const

- virtual bool **equals** (const **Map**< K, V, COMPARATOR > &source) const

  Comparison, equality is dependent on the method of determining if the element are equal.

- virtual void **copy** (const **ConcurrentStlMap** &source)

- virtual void **copy** (const **Map**< K, V, COMPARATOR > &source)

  Copies the content of the source map into this map.

- virtual void **clear** () throw (decaf::lang::exceptions::UnsupportedOperationException)

  Removes all keys and values from this map.
  Exceptions

UnsupportedOperationException	*if this map is unmodifiable.*

- virtual bool **containsKey** (const K &key) const

  Indicates whether or this map contains a value for the given key.

  Parameters

key	*The key to look up.*

  Returns

  true if this map contains the value, otherwise false.

- virtual bool **containsValue** (const V &value) const

  Indicates whether or this map contains a value for the given value, i.e.
  they are equal, this is done by operator== so the types must pass equivalence testing in this manner.

  Parameters

value	*The Value to look up.*

  Returns

  true if this map contains the value, otherwise false.

- virtual bool **isEmpty** () const

  Returns

  *if the **Map** (p. 2538) contains any element or not, TRUE or FALSE*

- virtual std::size_t **size** () const

  Returns

  The number of elements (key/value pairs) in this map.

- virtual V & **get** (const K &key) throw (lang::exceptions::NoSuchElementException)

  *Gets the value mapped to the specified key in the **Map** (p. 2538).*
  If there is no element in the map whose key is equivalent to the key provided then a NoSuchElementException is thrown.

  Parameters

key	*The search key.*

  Returns

  A reference to the value for the given key.

  Exceptions

NoSuchElementException	*if the key requests doesn't exist in the **Map** (p. 2538).*

- virtual const V & **get** (const K &key) const throw (lang::exceptions::NoSuchElementException

)

*Gets the value mapped to the specified key in the **Map** (p. 2538).*
If there is no element in the map whose key is equivalent to the key provided then a NoSuchElementException is thrown.

Parameters

key	*The search key.*

Returns

A {const} reference to the value for the given key.

Exceptions

NoSuchElementException	*if the key requests doesn't exist in the **Map** (p. 2538).*

- virtual void **put** (const K &key, const V &value) throw (decaf::lang::exceptions::UnsupportedOperationException)

Sets the value for the specified key.

Parameters

key	*The target key.*
value	*The value to be set.*

Exceptions

UnsupportedOperationException	*if this map is unmodifiable.*

- virtual void **putAll** (const **ConcurrentStlMap**< K, V, COMPARATOR > &other) throw (decaf::lang::exceptions::UnsupportedOperationException)

- virtual void **putAll** (const **Map**< K, V, COMPARATOR > &other) throw (decaf::lang::exceptions::UnsupportedOperationException)

*Stores a copy of the Mappings contained in the other **Map** (p. 2538) in this one.*

Parameters

other	*A **Map** (p. 2538) instance whose elements are to all be inserted in this **Map** (p. 2538).*

Exceptions

UnsupportedOperationException	*If the implementing class does not support the putAll operation.*

- virtual V **remove** (const K &key) throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException)

Removes the value (key/value pair) for the specified key from the map, returns a copy of the value that was mapped to the key.

Parameters

key	*The search key.*

Returns

a copy of the element that was previously mapped to the given key

Exceptions

NoSuchElementException	*if this key is not in the **Map** (p. 2538).*
UnsupportedOperationException	*if this map is unmodifiable.*

- virtual std::vector< K > **keySet** () const

  *Returns a **Set** (p. 3538) view of the mappings contained in this map.*
  *The set is backed by the map, so changes to the map are reflected in the set, and vice-versa. If the map is modified while an iteration over the set is in progress (except through the iterator's own remove operation, or through the setValue operation on a map entry returned by the iterator) the results of the iteration are undefined. The set supports element removal, which removes the corresponding mapping from the map, via the **Iterator.remove** (p. 2223), **Set.remove** (p. 168), removeAll, retainAll and clear operations. It does not support the add or addAll operations.*

  Returns

  the entire set of keys in this map as a std::vector.

- virtual std::vector< V > **values** () const

  Returns

  the entire set of values in this map as a std::vector.

- bool **putIfAbsent** (const K &key, const V &value) throw (decaf::lang::exceptions::UnsupportedOperation)

  If the specified key is not already associated with a value, associate it with the given value.

- bool **remove** (const K &key, const V &value)

  Remove entry for key only if currently mapped to given value.

- bool **replace** (const K &key, const V &oldValue, const V &newValue)

  Replace entry for key only if currently mapped to given value.

- V **replace** (const K &key, const V &value) throw (decaf::lang::exceptions::NoSuchElementException)

  Replace entry for key only if currently mapped to some value.

- virtual void **lock** () throw (decaf::lang::exceptions::RuntimeException)

  Locks the object.

- virtual bool **tryLock** () throw (decaf::lang::exceptions::RuntimeException)

  *Attempts to **Lock** (p. 2450) the object, if the lock is already held by another thread than this method returns false.*

- virtual void **unlock** () throw (decaf::lang::exceptions::RuntimeException)

Unlocks the object.

- virtual void **wait** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateEx decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs, int nanos) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **notify** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals a waiter on this object that it can now wake up and continue.

- virtual void **notifyAll** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals the waiters on this object that it can now wake up and continue.

6.211.1 Detailed Description

template<typename K, typename V, typename COMPARATOR = std::less<K>> class decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >

Map (p. 2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map. This version of **Map** (p. 2538) extends the **ConcurrentMap** (p. 1260) inteface and implements all the methods defined in that interface. Unlike a Java ConcurrentHashMap this implementations synchronizes all methods such that any call to this class will block if another thread is already holding a lock, much like the Java HashTable.

Since

1.0

6.211.2 Constructor & Destructor Documentation

6.211.2.1 template<typename K, typename V, typename COMPARATOR = std::less<K>> decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::ConcurrentStlMap ( ) [inline]

Default constructor - does nothing.

6.211.2.2 template<typename K, typename V, typename COMPARATOR = std::less<K>> decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::ConcurrentStlMap (const ConcurrentStlMap< K, V, COMPARATOR > & *source*) [inline]

Copy constructor - copies the content of the given map into this one.

Parameters

source	The source map.

6.211.2.3 template<typename K, typename V, typename COMPARATOR = std::less<K>> decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::ConcurrentStlMap (const Map< K, V, COMPARATOR > & *source*) [inline]

Copy constructor - copies the content of the given map into this one.

Parameters

source	The source map.

6.211.2.4 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::~ConcurrentStlMap ( ) [inline, virtual]

6.211.3 Member Function Documentation

6.211.3.1 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::clear ( ) throw (decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

Removes all keys and values from this map.

Exceptions

UnsupportedOperationException	if this map is unmodifiable.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2540).

Referenced by decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::copy().

6.211.3.2 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::containsKey (const K & *key*) const [inline, virtual]

Indicates whether or this map contains a value for the given key.

Parameters

key	The key to look up.

Returns

true if this map contains the value, otherwise false.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2541).

Referenced by decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::equals(), decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::putIfAbsent(), decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::remove(), and decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::replace().

6.211.3.3 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::containsValue (const V & *value*) const [inline, virtual]

Indicates whether or this map contains a value for the given value, i.e.

they are equal, this is done by operator== so the types must pass equivalence testing in this manner.

Parameters

value	The Value to look up.

Returns

true if this map contains the value, otherwise false.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2542).

6.211.3.4 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::copy (const ConcurrentStlMap< K, V, COMPARATOR > & *source*) [inline, virtual]

Referenced by decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::ConcurrentStlMap().

6.211.3.5 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::copy (const Map< K, V, COMPARATOR > & *source*) [inline, virtual]

Copies the content of the source map into this map.

Erases all existing data in this map.

Parameters

source	The source object to copy from.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2543).

6.211.3.6 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::equals (const Map< K, V, COMPARATOR > & *source*) const [inline, virtual]

Comparison, equality is dependent on the method of determining if the element are equal.

Parameters

source	- **Map** (p. 2538) to compare to this one.

Returns

true if the **Map** (p. 2538) passed is equal in value to this one.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2543).

6.211.3.7 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::equals (const ConcurrentStlMap< K, V, COMPARATOR > & *source*) const [inline, virtual]

6.211.3.8 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual V& decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::get (const K & *key*) throw (lang::exceptions::NoSuchElementException) [inline, virtual]

Gets the value mapped to the specified key in the **Map** (p. 2538).

If there is no element in the map whose key is equivalent to the key provided then a NoSuchElementException is thrown.

Parameters

key	The search key.

Returns

A reference to the value for the given key.

Exceptions

NoSuchElementException	if the key requests doesn't exist in the **Map** (p. 2538).

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2543).

6.211.3.9 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual const V& decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::get (const K & *key*) const throw (lang::exceptions::NoSuchElementException) [inline, virtual]

Gets the value mapped to the specified key in the **Map** (p. 2538).

If there is no element in the map whose key is equivalent to the key provided then a NoSuchElementException is thrown.

Parameters

key	The search key.

Returns

A {const} reference to the value for the given key.

Exceptions

NoSuchElementException	if the key requests doesn't exist in the **Map** (p. 2538).

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2544).

6.211.3.10 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::isEmpty ( ) const [inline, virtual]

Returns

if the **Map** (p. 2538) contains any element or not, TRUE or FALSE

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2545).

6.211.3.11 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual std::vector<K> decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::keySet ( ) const [inline, virtual]

Returns a **Set** (p. 3538) view of the mappings contained in this map.

The set is backed by the map, so changes to the map are reflected in the set, and vice-versa. If the map is modified while an iteration over the set is in progress (except through the iterator's own remove operation, or through the setValue operation on a map entry returned by the iterator) the results of the iteration are undefined. The set supports element removal, which removes the corresponding mapping from the map, via the **Iterator.remove** (p. 2223), **Set.remove** (p. 168), removeAll, retainAll and clear operations. It does not support the add or addAll operations.

Returns

the entire set of keys in this map as a std::vector.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2546).

6.211.3.12 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::lock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Locks the object.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3812).

6.211.3.13 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::notify ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals a waiter on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.
RuntimeException	if an error occurs while notifying one of the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3813).

6.211.3.14 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::notifyAll ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals the waiters on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.
RuntimeException	if an error occurs while notifying the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3814).

6.211.3.15 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::put (const K & *key*, const V & *value*) throw (decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

Sets the value for the specified key.

Parameters

key	The target key.
value	The value to be set.

Exceptions

UnsupportedOperationException	if this map is unmodifiable.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2547).

Referenced by decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::putAll(), decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::putIfAbsent(), and decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::replace().

6.211.3.16 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::putAll (const Map< K, V, COMPARATOR > & *other*) throw (decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

Stores a copy of the Mappings contained in the other **Map** (p. 2538) in this one.

Parameters

other	A **Map** (p. 2538) instance whose elements are to all be inserted in this **Map** (p. 2538).

Exceptions

UnsupportedOperationException	If the implementing class does not support the putAll operation.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2548).

6.211.3.17 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::putAll (const ConcurrentStlMap< K, V, COMPARATOR > & *other*) throw (decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

Referenced by decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::copy().

6.211.3.18 template<typename K, typename V, typename COMPARATOR = std::less<K>> bool decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::putIfAbsent (const K & *key*, const V & *value*) throw (decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

If the specified key is not already associated with a value, associate it with the given value.

This is equivalent to

```
if( !map.containsKey( key ) ) {
    map.put( key, value );
    return true;
} else {
    return false;
}
```

except that the action is performed atomically.

Parameters

key	The key to map the value to.
value	The value to map to the given key.

Returns

true if the put operation was performed otherwise return false which indicates there was a value previously mapped to the key.

Exceptions

UnsupportedOperationException	if the put operation is not supported by this map

Implements **decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR >** (p. 1261).

6.211.3.19 template<typename K, typename V, typename COMPARATOR = std::less<K>> bool decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::remove (const K & *key*, const V & *value*) [inline, virtual]

Remove entry for key only if currently mapped to given value.

Acts as

```
if( map.containsKey( key ) && ( map.get( key ) == value ) ) {
    map.remove( key );
    return true;
} else {
    return false;
}
```

except that the action is performed atomically.

Parameters

key	key with which the specified value is associated.
value	value associated with the specified key.

Returns

true if the value was removed, false otherwise

Implements **decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR >** (p. 1262).

6.211.3.20 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual V decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::remove (const K & *key*) throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

Removes the value (key/value pair) for the specified key from the map, returns a copy of the value that was mapped to the key.

Parameters

key	The search key.

Returns

a copy of the element that was previously mapped to the given key

Exceptions

NoSuchElementException	if this key is not in the **Map** (p. 2538).
UnsupportedOperationException	if this map is unmodifiable.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2548).

6.211.3.21 template<typename K, typename V, typename COMPARATOR = std::less<K>> V decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::replace (const K & *key*, const V & *value*) throw (decaf::lang::exceptions::NoSuchElementException) [inline, virtual]

Replace entry for key only if currently mapped to some value.

Acts as

```
if( map.containsKey( key ) ) {
    return map.put( key, value );
} else {
    throw NoSuchElementException(...);
};
```

except that the action is performed atomically.

Parameters

key	key with which the specified value is associated.
value	value to be associated with the specified key.

Returns

copy of the previous value associated with specified key, or throws an NoSuchElementException if there was no mapping for key.

Exceptions

NoSuchElementException	if there was no previous mapping.

Implements **decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR >** (p. 1264).

6.211.3.22 template<typename K, typename V, typename COMPARATOR = std::less<K>> bool decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::replace (const K & *key*, const V & *oldValue*, const V & *newValue*) [inline, virtual]

Replace entry for key only if currently mapped to given value.

Acts as

```
if( map.containsKey( key ) && ( map.get( key ) == oldValue ) ) {
    map.put( key, newValue );
    return true;
} else {
    return false;
}
```

except that the action is performed atomically.

Parameters

key	key with which the specified value is associated.
oldValue	value expected to be associated with the specified key.
newValue	value to be associated with the specified key.

Returns

true if the value was replaced

Implements **decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR >** (p. 1263).

6.211.3.23 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual std::size_t decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::size ( ) const [inline, virtual]

Returns

The number of elements (key/value pairs) in this map.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2549).

6.211.3.24 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::tryLock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Attempts to **Lock** (p. 2450) the object, if the lock is already held by another thread than this method returns false.

Returns

true if the lock was acquired, false if it is already held by another thread.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3815).

6.211.3.25 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::unlock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Unlocks the object.

Exceptions

RuntimeException	if an error occurs while unlocking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3816).

6.211.3.26 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual std::vector<V> decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::values ( ) const [inline, virtual]

Returns

the entire set of values in this map as a std::vector.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2550).

Referenced by decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::values().

6.211.3.27 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::wait (long long *millisecs*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3819).

6.211.3.28 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::wait ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling.

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3818).

6.211.3.29 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >::wait (long long *millisecs*, int *nanos*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval. This method is similar to the one argument wait function except that it add a finer grained control over the amount of time that it waits by adding in the additional nanosecond argument.

NOTE: The ability to wait accurately at a nanosecond scale depends on the platform and OS that the Decaf API is running on, some systems do not provide an accurate enough clock to provide this level of granularity.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE
nanos	additional time in nanoseconds with a range of 0-999999

Exceptions

IllegalArgumentException	if an error occurs or the nanos argument is not in the range of [0-999999]
RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3820).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**ConcurrentStlMap.h**

6.212 decaf::util::concurrent::locks::Condition Class Reference

Condition (p. 1282) factors out the **Mutex** (p. 2866) monitor methods (wait, notify and notifyAll) into distinct objects to give the effect of having multiple wait-sets per object, by combining them with the use of arbitrary **Lock** (p. 2452) implementations.

```
#include <src/main/decaf/util/concurrent/locks/Condition.h>
```

Public Member Functions

- virtual ~**Condition** ()
- virtual void **await** ()=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::IllegalMonitorStateException)

  Causes the current thread to wait until it is signaled or interrupted.

- virtual void **awaitUninterruptibly** ()=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Causes the current thread to wait until it is signalled.

- virtual long long **awaitNanos** (long long nanosTimeout)=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::IllegalMonitorStateException)

  Causes the current thread to wait until it is signaled or interrupted, or the specified waiting time elapses.

- virtual bool **await** (long long time, const **TimeUnit** &unit)=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::IllegalMonitorStateException)

  Causes the current thread to wait until it is signaled or interrupted, or the specified waiting time elapses.

- virtual bool **awaitUntil** (const **Date** &deadline)=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::IllegalMonitorStateException)
- virtual void **signal** ()=0 throw (decaf::lang::exceptions::RuntimeException)

  Wakes up one waiting thread.

- virtual void **signalAll** ()=0 throw (decaf::lang::exceptions::RuntimeException)

  Wakes up all waiting threads.

6.212.1 Detailed Description

Condition (p. 1282) factors out the **Mutex** (p. 2866) monitor methods (wait, notify and notifyAll) into distinct objects to give the effect of having multiple wait-sets per object, by combining them with the use of arbitrary **Lock** (p. 2452) implementations. Where a **Lock** (p. 2452) replaces the use of synchronized statements, a **Condition** (p. 1282) replaces the use of the Object monitor methods.

Conditions (also known as condition queues or condition variables) provide a means for one thread to suspend execution (to "wait") until notified by another thread that some state condition may now be true. Because access to this shared state information occurs in different threads, it must be protected, so a lock of some form is associated

with the condition. The key property that waiting for a condition provides is that it atomically releases the associated lock and suspends the current thread.

A **Condition** (p. 1282) instance is intrinsically bound to a lock. To obtain a **Condition** (p. 1282) instance for a particular **Lock** (p. 2452) instance use its newCondition() method.

As an example, suppose we have a bounded buffer which supports put and take methods. If a take is attempted on an empty buffer, then the thread will block until an item becomes available; if a put is attempted on a full buffer, then the thread will block until a space becomes available. We would like to keep waiting put threads and take threads in separate wait-sets so that we can use the optimization of only notifying a single thread at a time when items or spaces become available in the buffer. This can be achieved using two **Condition** (p. 1282) instances.

class BoundedBuffer { Lock∗ lock = new ReentrantLock(); Condition∗ notFull = lock->newCondition(); Condition∗ notEmpty = lock->newCondition();

Object∗ items = new Object[100]; int putptr, takeptr, count;

public void put(Object∗ x) throw(InterruptedException) { lock->lock(); try { while(count == 100) notFull->**await()** (p. 1285); items[putptr] = x; if (++putptr == 100) putptr = 0; ++count; notEmpty->**signal()** (p. 1289); } catch(...) { lock->unlock(); } }

public Object take() throw(InterruptedException) { lock->lock(); try { while(count == 0) notEmpty->**await()** (p. 1285); Object x = items[takeptr]; if (++takeptr == 100) takeptr = 0; --count; notFull->**signal()** (p. 1289); return x; } catch(...) { lock->unlock(); } } }

(The ArrayBlockingQueue class provides this functionality, so there is no reason to implement this sample usage class.)

Implementation Considerations

When waiting upon a **Condition** (p. 1282), a "spurious wakeup" is permitted to occur, in general, as a concession to the underlying platform semantics. This has little practical impact on most application programs as a **Condition** (p. 1282) should always be waited upon in a loop, testing the state predicate that is being waited for. An implementation is free to remove the possibility of spurious wakeups but it is recommended that applications programmers always assume that they can occur and so always wait in a loop.

The three forms of condition waiting (interruptible, non-interruptible, and timed) may differ in their ease of implementation on some platforms and in their performance characteristics. In particular, it may be difficult to provide these features and maintain specific semantics such as ordering guarantees. Further, the ability to interrupt the actual suspension of the thread may not always be feasible to implement on all platforms.

Consequently, an implementation is not required to define exactly the same guarantees or semantics for all three forms of waiting, nor is it required to support interruption of the actual suspension of the thread.

An implementation is required to clearly document the semantics and guarantees provided by each of the waiting methods, and when an implementation does support interruption of thread suspension then it must obey the interruption semantics as defined in this interface.

As interruption generally implies cancellation, and checks for interruption are often infrequent, an implementation can favor responding to an interrupt over normal method return. This is true even if it can be shown that the interrupt occurred after another action may have unblocked the thread. An implementation should document this behavior.

Since

1.0

6.212.2 Constructor & Destructor Documentation

6.212.2.1 virtual decaf::util::concurrent::locks::Condition::~Condition ( ) [inline, virtual]

6.212.3 Member Function Documentation

6.212.3.1 virtual void decaf::util::concurrent::locks::Condition::await ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::IllegalMonitorStateException) [pure virtual]

Causes the current thread to wait until it is signaled or interrupted.

The lock associated with this **Condition** (p. 1282) is atomically released and the current thread becomes disabled for thread scheduling purposes and lies dormant until one of four things happens:

∗ Some other thread invokes the **signal()** (p. 1289) method for this **Condition** (p. 1282) and the current thread happens to be chosen as the thread to be awakened; or ∗ Some other thread invokes the **signalAll()** (p. 1289) method for this **Condition** (p. 1282); or ∗ Some other thread interrupts the current thread, and interruption of thread suspension is supported; or ∗ A "spurious wakeup" occurs.

In all cases, before this method can return the current thread must re-acquire the lock associated with this condition. When the thread returns it is guaranteed to hold this lock.

If the current thread:

∗ has its interrupted status set on entry to this method; or ∗ is interrupted while waiting and interruption of thread suspension is supported,

then InterruptedException is thrown and the current thread's interrupted status is cleared. It is not specified, in the first case, whether or not the test for interruption occurs before the lock is released.

Implementation Considerations

The current thread is assumed to hold the lock associated with this **Condition** (p. 1282) when this method is called. It is up to the implementation to determine if this is the case and if not, how to respond. Typically, an exception will be thrown (such as IllegalMonitorStateException) and the implementation must document that fact.

An implementation can favor responding to an interrupt over normal method return in response to a signal. In that case the implementation must ensure that the signal is redirected to another waiting thread, if there is one.

Exceptions

RuntimeException	if an unexpected error occurs while trying to wait on the **Condition** (p. 1282).
InterruptedException	if the current thread is interrupted (and interruption of thread suspension is supported)
IllegalMonitorStateException	if the caller is not the lock owner.

6.212.3.2 virtual bool decaf::util::concurrent::locks::Condition::await (long long *time*, const TimeUnit & *unit*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::IllegalMonitorStateException) [pure virtual]

Causes the current thread to wait until it is signaled or interrupted, or the specified waiting time elapses.

This method is behaviorally equivalent to:

awaitNanos(unit.toNanos(time)) > 0

Parameters

time	- the maximum time to wait
unit	- the time unit of the time argument

Returns

false if the waiting time detectably elapsed before return from the method, else true

Exceptions

RuntimeException	if an unexpected error occurs while trying to wait on the **Condition** (p. 1282).
InterruptedException	if the current thread is interrupted (and interruption of thread suspension is supported)
IllegalMonitorStateException	if the caller is not the lock owner.

6.212.3.3 virtual long long decaf::util::concurrent::locks::Condition::awaitNanos (long long *nanosTimeout*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::IllegalMonitorStateException) [pure virtual]

Causes the current thread to wait until it is signaled or interrupted, or the specified waiting time elapses.

The lock associated with this condition is atomically released and the current thread becomes disabled for thread scheduling purposes and lies dormant until one of five things happens:

∗ Some other thread invokes the **signal()** (p. 1289) method for this **Condition** (p. 1282) and the current thread happens to be chosen as the thread to be awakened; or ∗ Some other thread invokes the **signalAll()** (p. 1289) method for this **Condition** (p. 1282); or ∗ Some other thread interrupts the current thread, and interruption of thread suspension is supported; or ∗ The specified waiting time elapses; or ∗ A "spurious wakeup" occurs.

In all cases, before this method can return the current thread must re-acquire the lock associated with this condition. When the thread returns it is guaranteed to hold this lock.

If the current thread:

∗ has its interrupted status set on entry to this method; or ∗ is interrupted while waiting and interruption of thread suspension is supported,

then InterruptedException is thrown and the current thread's interrupted status is cleared. It is not specified, in the first case, whether or not the test for interruption occurs before the lock is released.

The method returns an estimate of the number of nanoseconds remaining to wait given the supplied nanosTimeout value upon return, or a value less than or equal to zero if it timed out. This value can be used to determine whether and how long to re-wait in cases where the wait returns but an awaited condition still does not hold. Typical uses of this method take the following form:

synchronized boolean aMethod(long timeout, const TimeUnit& unit) { long nanosTimeout = unit.toNanos(timeout); while (!conditionBeingWaitedFor) { if (nanosTimeout > 0) nanosTimeout = theCondition->awaitNanos(nanosTimeout); else return false; } // ... }

Design note: This method requires a nanosecond argument so as to avoid truncation errors in reporting remaining times. Such precision loss would make it difficult for programmers to ensure that total waiting times are not systematically shorter than specified when re-waits occur.

Implementation Considerations

The current thread is assumed to hold the lock associated with this **Condition** (p. 1282) when this method is called. It is up to the implementation to determine if this is the case and if not, how to respond. Typically, an exception will be thrown (such as IllegalMonitorStateException) and the implementation must document that fact.

An implementation can favor responding to an interrupt over normal method return

in response to a signal, or over indicating the elapse of the specified waiting time. In either case the implementation must ensure that the signal is redirected to another waiting thread, if there is one.

Parameters

nanosTimeout	- the maximum time to wait, in nanoseconds

Returns

an estimate of the nanosTimeout value minus the time spent waiting upon return from this method. A positive value may be used as the argument to a subsequent call to this method to finish waiting out the desired time. A value less than or equal to zero indicates that no time remains.

Exceptions

RuntimeException	if an unexpected error occurs while trying to wait on the **Condition** (p. 1282).
InterruptedException	if the current thread is interrupted (and interruption of thread suspension is supported)
IllegalMonitorStateException	if the caller is not the lock owner.

6.212.3.4 virtual void decaf::util::concurrent::locks::Condition::awaitUninterruptibly ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [pure virtual]

Causes the current thread to wait until it is signalled.

The lock associated with this condition is atomically released and the current thread becomes disabled for thread scheduling purposes and lies dormant until one of three things happens:

∗ Some other thread invokes the **signal()** (p. 1289) method for this **Condition** (p. 1282) and the current thread happens to be chosen as the thread to be awakened; or ∗ Some other thread invokes the **signalAll()** (p. 1289) method for this **Condition** (p. 1282); or ∗ A "spurious wakeup" occurs.

In all cases, before this method can return the current thread must re-acquire the lock associated with this condition. When the thread returns it is guaranteed to hold this lock.

If the current thread's interrupted status is set when it enters this method, or it is interrupted while waiting, it will continue to wait until signalled. When it finally returns from this method its interrupted status will still be set.

Implementation Considerations

The current thread is assumed to hold the lock associated with this **Condition** (p. 1282) when this method is called. It is up to the implementation to determine if this is the

case and if not, how to respond. Typically, an exception will be thrown (such as IllegalMonitorStateException) and the implementation must document that fact.

Exceptions

RuntimeException	if an unexpected error occurs while trying to wait on the **Condition** (p. 1282).
IllegalMonitorStateException	if the caller is not the lock owner.

6.212.3.5 virtual bool decaf::util::concurrent::locks::Condition::awaitUntil (const Date & *deadline*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::IllegalMonitorStateException) [pure virtual]

6.212.3.6 virtual void decaf::util::concurrent::locks::Condition::signal ( ) throw (decaf::lang::exceptions::RuntimeException) [pure virtual]

Wakes up one waiting thread.

If any threads are waiting on this condition then one is selected for waking up. That thread must then re-acquire the lock before returning from await.

Exceptions

RuntimeException	if an unexpected error occurs while trying to wait on the **Condition** (p. 1282).

6.212.3.7 virtual void decaf::util::concurrent::locks::Condition::signalAll ( ) throw (decaf::lang::exceptions::RuntimeException) [pure virtual]

Wakes up all waiting threads.

If any threads are waiting on this condition then they are all woken up. Each thread must re-acquire the lock before it can return from await.

Exceptions

RuntimeException	if an unexpected error occurs while trying to wait on the **Condition** (p. 1282).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/locks/**Condition.h**

6.213 decaf::util::concurrent::ConditionHandle Class Reference

```
#include <src/main/decaf/internal/util/concurrent/unix/ConditionHandle.h>
```

Public Member Functions

- **ConditionHandle** ()
- ∼**ConditionHandle** ()
- **ConditionHandle** ()
- ∼**ConditionHandle** ()

Data Fields

- pthread_cond_t **condition**
- **MutexHandle** ∗ **mutex**
- HANDLE **semaphore**
- CRITICAL_SECTION **criticalSection**
- volatile unsigned int **numWaiting**
- volatile unsigned int **numWake**
- volatile unsigned int **generation**

6.213.1 Constructor & Destructor Documentation

6.213.1.1 decaf::util::concurrent::ConditionHandle::ConditionHandle ( ) [inline]

6.213.1.2 decaf::util::concurrent::ConditionHandle::~ConditionHandle ( ) [inline]

6.213.1.3 decaf::util::concurrent::ConditionHandle::ConditionHandle ( ) [inline]

6.213.1.4 decaf::util::concurrent::ConditionHandle::~ConditionHandle ( ) [inline]

6.213.2 Field Documentation

6.213.2.1 pthread_cond_t decaf::util::concurrent::ConditionHandle::condition

6.213.2.2 CRITICAL_SECTION decaf::util::concurrent::ConditionHandle::criticalSection

6.213.2.3 volatile unsigned int decaf::util::concurrent::ConditionHandle::generation

6.213.2.4 MutexHandle * decaf::util::concurrent::ConditionHandle::mutex

6.213.2.5 volatile unsigned int decaf::util::concurrent::ConditionHandle::numWaiting

6.213.2.6 volatile unsigned int decaf::util::concurrent::ConditionHandle::numWake

6.213.2.7 HANDLE decaf::util::concurrent::ConditionHandle::semaphore

The documentation for this class was generated from the following files:

- src/main/decaf/internal/util/concurrent/unix/**ConditionHandle.h**
- src/main/decaf/internal/util/concurrent/windows/**ConditionHandle.h**

6.214 decaf::internal::util::concurrent::ConditionImpl Class Reference

```
#include <src/main/decaf/internal/util/concurrent/ConditionImpl.h>
```

Static Public Member Functions

- static **decaf::util::concurrent::ConditionHandle** * **create** (**decaf::util::concurrent::MutexHandle** *mutex)

  Creates the Condition object and attaches it to the given MutexHandle.

- static void **destroy** (**decaf::util::concurrent::ConditionHandle** *handle)

  Destroy a previously create Condition instance.

- static void **wait** (**decaf::util::concurrent::ConditionHandle** *condition)

Waits for the condition to be signaled.

- static void **wait** (**decaf::util::concurrent::ConditionHandle** ∗condition, long long mills, long long nanos)

  Waits for the condition to be signaled or for the time specified to ellapse.

- static void **notify** (**decaf::util::concurrent::ConditionHandle** ∗condition)

  Signals one Thread that is waiting on this condition to wake up.

- static void **notifyAll** (**decaf::util::concurrent::ConditionHandle** ∗condition)

  Signals all Threads that is waiting on this condition to wake up.

6.214.1 Member Function Documentation

6.214.1.1 static decaf::util::concurrent::ConditionHandle∗ decaf::internal::util::concurrent::ConditionImpl::create (decaf::util::concurrent::MutexHandle ∗ *mutex*) [static]

Creates the Condition object and attaches it to the given MutexHandle.

Parameters

mutex	the Mutex handle that this Condition is attached to.

Returns

a newly constructed Condition handle that is attached to the given handle.

6.214.1.2 static void decaf::internal::util::concurrent::ConditionImpl::destroy (decaf::util::concurrent::ConditionHandle ∗ *handle*) [static]

Destroy a previously create Condition instance.

Parameters

handle	The Condition handle to be destroyed.

6.214.1.3 static void decaf::internal::util::concurrent::ConditionImpl::notify (decaf::util::concurrent::ConditionHandle ∗ *condition*) [static]

Signals one Thread that is waiting on this condition to wake up.

Parameters

condition	the handle to the condition to wait on.

6.214.1.4 static void decaf::internal::util::concurrent::ConditionImpl::notifyAll (decaf::util::concurrent::ConditionHandle * *condition*) [static]

Signals all Threads that is waiting on this condition to wake up.

Parameters

condition	the handle to the condition to wait on.

6.214.1.5 static void decaf::internal::util::concurrent::ConditionImpl::wait (decaf::util::concurrent::ConditionHandle * *condition,* long long *mills,* long long *nanos*) [static]

Waits for the condition to be signaled or for the time specified to ellapse.

Parameters

condition	the handle to the condition to wait on.
mills	the time in milliseconds to wait for the condition to be signaled.
nanos	additional time in nanoseconds to wait for the thread to be signaled.

6.214.1.6 static void decaf::internal::util::concurrent::ConditionImpl::wait (decaf::util::concurrent::ConditionHandle * *condition*) [static]

Waits for the condition to be signaled.

Parameters

condition	the handle to the condition to wait on.

The documentation for this class was generated from the following file:

- src/main/decaf/internal/util/concurrent/**ConditionImpl.h**

6.215 decaf::net::ConnectException Class Reference

`#include <src/main/decaf/net/ConnectException.h>`

Inheritance diagram for decaf::net::ConnectException:

Public Member Functions

- **ConnectException** () throw ()

Default Constructor.

- **ConnectException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **ConnectException** (const **ConnectException** &ex) throw ()

  Copy Constructor.

- **ConnectException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **ConnectException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **ConnectException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **ConnectException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**ConnectException** () throw ()

6.215.1 Constructor & Destructor Documentation

6.215.1.1 decaf::net::ConnectException::ConnectException ( ) throw () [inline]

Default Constructor.

6.215.1.2 decaf::net::ConnectException::ConnectException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.215.1.3 decaf::net::ConnectException::ConnectException (const ConnectException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.215.1.4 decaf::net::ConnectException::ConnectException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.215.1.5 decaf::net::ConnectException::ConnectException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.215.1.6 decaf::net::ConnectException::ConnectException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.215.1.7 virtual decaf::net::ConnectException::~ConnectException ( ) throw ()

`[inline, virtual]`

6.215.2 Member Function Documentation

6.215.2.1 virtual ConnectException* decaf::net::ConnectException::clone ( ) const

`[inline, virtual]`

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new Exception instance that is a copy of this Exception object.

Reimplemented from **decaf::net::SocketException** (p. 3629).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**ConnectException.h**

6.216 cms::Connection Class Reference

The client's connection to its provider.

`#include <src/main/cms/Connection.h>`

Inheritance diagram for cms::Connection:

Public Member Functions

- virtual ~**Connection** ()
- virtual void **close** ()=0 throw (CMSException)

  Closes this connection as well as any Sessions created from it (and those Sessions' consumers and producers).

- virtual const **ConnectionMetaData** * **getMetaData** () const =0 throw (CMSException)

  Gets the metadata for this connection.

- virtual **Session** * **createSession** ()=0 throw (CMSException)

  *Creates an AUTO_ACKNOWLEDGE **Session*** *(p. 3460)*.

- virtual **Session** * **createSession** (**Session::AcknowledgeMode** ackMode)=0 throw (CMSException)

*Creates a new **Session** (p. 3460) to work for this **Connection** (p. 1296) using the specified acknowledgment mode.*

- virtual std::string **getClientID** () const =0

  Get the Client Id for this session, the client Id is provider specific and is either assigned by the connection factory or set using the setClientID method.

- virtual void **setClientID** (const std::string &clientID)=0

  Sets the client identifier for this connection.

- virtual **ExceptionListener** ∗ **getExceptionListener** () const =0

  Gets the registered Exception Listener for this connection.

- virtual void **setExceptionListener** (**ExceptionListener** ∗listener)=0

  Sets the registered Exception Listener for this connection.

6.216.1 Detailed Description

The client's connection to its provider. Connections support concurrent use.

A connection serves several purposes:

- It encapsulates an open connection with a JMS provider. It typically represents an open TCP/IP socket between a client and the service provider software.
- Its creation is where client authentication takes place.
- It can specify a unique client identifier.
- It provides a **ConnectionMetaData** (p. 1425) object.
- It supports an optional **ExceptionListener** (p. 1893) object.

Because the creation of a connection involves setting up authentication and communication, a connection is a relatively heavy-weight object. Most clients will do all their messaging with a single connection. Other more advanced applications may use several connections. The CMS API does not architect a reason for using multiple connections; however, there may be operational reasons for doing so.

A CMS client typically creates a connection, one or more sessions, and a number of message producers and consumers. When a connection is created, it is in stopped mode. That means that no messages are being delivered.

It is typical to leave the connection in stopped mode until setup is complete (that is, until all message consumers have been created). At that point, the client calls the connection's start method, and messages begin arriving at the connection's consumers. This setup convention minimizes any client confusion that may result from asynchronous message delivery while the client is still in the process of setting itself up.

A connection can be started immediately, and the setup can be done afterwards. Clients that do this must be prepared to handle asynchronous message delivery while they are still in the process of setting up.

A message producer can send messages while a connection is stopped.

Since

1.0

6.216.2 Constructor & Destructor Documentation

6.216.2.1 virtual cms::Connection::~Connection ( ) [inline, virtual]

6.216.3 Member Function Documentation

6.216.3.1 virtual void cms::Connection::close ( ) throw (CMSException) [pure virtual]

Closes this connection as well as any Sessions created from it (and those Sessions' consumers and producers).

Exceptions

CMSException (p. *1190*)	

Implements **cms::Closeable** (p. 1180).

Implemented in **activemq::core::ActiveMQConnection** (p. 267).

6.216.3.2 virtual Session* cms::Connection::createSession (Session::AcknowledgeMode *ackMode*) throw (CMSException) [pure virtual]

Creates a new **Session** (p. 3460) to work for this **Connection** (p. 1296) using the specified acknowledgment mode.

Parameters

ackMode	the Acknowledgment Mode to use.

Exceptions

CMSException (p. *1190*)	

Implemented in **activemq::core::ActiveMQConnection** (p. 267).

6.216.3.3 virtual Session* cms::Connection::createSession ( ) throw (CMSException) [pure virtual]

Creates an AUTO_ACKNOWLEDGE **Session** (p. 3460).

Exceptions

CMSException *(p. 1190)*	

Implemented in **activemq::core::ActiveMQConnection** (p. 268).

6.216.3.4 virtual std::string cms::Connection::getClientID ( ) const [pure virtual]

Get the Client Id for this session, the client Id is provider specific and is either assigned by the connection factory or set using the setClientID method.

Returns

Client Id String for this **Connection** (p. 1296).

Exceptions

CMSException *(p. 1190)*	if the provider fails to return the client id or an internal error occurs.

Implemented in **activemq::core::ActiveMQConnection** (p. 270).

6.216.3.5 virtual ExceptionListener* cms::Connection::getExceptionListener ( ) const [pure virtual]

Gets the registered Exception Listener for this connection.

Returns

pointer to an exception listener or NULL

Implemented in **activemq::core::ActiveMQConnection** (p. 270).

6.216.3.6 virtual const ConnectionMetaData* cms::Connection::getMetaData ( ) const throw (CMSException) [pure virtual]

Gets the metadata for this connection.

Returns

the connection MetaData pointer (caller does not own it).

Exceptions

CMSException *(p. 1190)*	if the provider fails to get the connection metadata for this connection.

See also

ConnectionMetaData (p. 1425)

Since

2.0

Implemented in **activemq::core::ActiveMQConnection** (p. 271).

6.216.3.7 virtual void cms::Connection::setClientID (const std::string & *clientID*) [pure virtual]

Sets the client identifier for this connection.

The preferred way to assign a CMS client's client identifier is for it to be configured in a client-specific **ConnectionFactory** (p. 1361) object and transparently assigned to the **Connection** (p. 1296) object it creates.

If a client sets the client identifier explicitly, it must do so immediately after it creates the connection and before any other action on the connection is taken. After this point, setting the client identifier is a programming error that should throw an **IllegalStateException** (p. 2059).

Parameters

clientID	The unique client identifier to assign to the **Connection** (p. 1296).

Exceptions

CMSException *(p. 1190)*	if the provider fails to set the client id due to some internal error.
InvalidClientIDException	if the id given is somehow invalid or is a duplicate.
IllegalStateException *(p. 2059)*	if the client tries to set the id after a **Connection** (p. 1296) method has been called.

Implemented in **activemq::core::ActiveMQConnection** (p. 277).

6.216.3.8 virtual void cms::Connection::setExceptionListener (ExceptionListener * *listener*) [pure virtual]

Sets the registered Exception Listener for this connection.

Parameters

listener	pointer to and **ExceptionListener** (p. 1893)

Implemented in **activemq::core::ActiveMQConnection** (p. 278).

The documentation for this class was generated from the following file:

- src/main/cms/**Connection.h**

6.217 activemq::commands::ConnectionControl Class Reference

`#include <src/main/activemq/commands/ConnectionControl.h>`

Inheritance diagram for activemq::commands::ConnectionControl:

Public Member Functions

- **ConnectionControl** ()
- virtual ~**ConnectionControl** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ConnectionControl** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual bool **isClose** () const
- virtual void **setClose** (bool **close**)
- virtual bool **isExit** () const
- virtual void **setExit** (bool **exit**)
- virtual bool **isFaultTolerant** () const
- virtual void **setFaultTolerant** (bool **faultTolerant**)

- virtual bool **isResume** () const
- virtual void **setResume** (bool **resume**)
- virtual bool **isSuspend** () const
- virtual void **setSuspend** (bool **suspend**)
- virtual const std::string & **getConnectedBrokers** () const
- virtual std::string & **getConnectedBrokers** ()
- virtual void **setConnectedBrokers** (const std::string &**connectedBrokers**)
- virtual const std::string & **getReconnectTo** () const
- virtual std::string & **getReconnectTo** ()
- virtual void **setReconnectTo** (const std::string &**reconnectTo**)
- virtual bool **isRebalanceConnection** () const
- virtual void **setRebalanceConnection** (bool **rebalanceConnection**)
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_CONNECTIONCONTROL** = 18

Protected Attributes

- bool **close**
- bool **exit**
- bool **faultTolerant**
- bool **resume**
- bool **suspend**
- std::string **connectedBrokers**
- std::string **reconnectTo**
- bool **rebalanceConnection**

6.217.1 Constructor & Destructor Documentation

6.217.1.1 activemq::commands::ConnectionControl::ConnectionControl ( )

6.217.1.2 virtual activemq::commands::ConnectionControl::~ConnectionControl ( ) [virtual]

6.217.2 Member Function Documentation

6.217.2.1 virtual ConnectionControl* activemq::commands::ConnectionControl::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.217.2.2 virtual void activemq::commands::ConnectionControl::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.217.2.3 virtual bool activemq::commands::ConnectionControl::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.217.2.4 virtual const std::string& activemq::commands::ConnectionControl::getConnectedBrokers ( ) const [virtual]

6.217.2.5 virtual std::string& activemq::commands::ConnectionControl::getConnectedBrokers ( ) [virtual]

6.217.2.6 virtual unsigned char activemq::commands::ConnectionControl::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.217.2.7 virtual const std::string& activemq::commands::ConnectionControl::getReconnectTo ( ) const [virtual]

6.217.2.8 virtual std::string& activemq::commands::ConnectionControl::getReconnectTo ( ) [virtual]

6.217.2.9 virtual bool activemq::commands::ConnectionControl::isClose ( ) const [virtual]

6.217.2.10 virtual bool activemq::commands::ConnectionControl::isExit ( ) const [virtual]

6.217.2.11 virtual bool activemq::commands::ConnectionControl::isFaultTolerant ( ) const [virtual]

6.217.2.12 virtual bool activemq::commands::ConnectionControl::isRebalanceConnection ( ) const [virtual]

6.217.2.13 virtual bool activemq::commands::ConnectionControl::isResume ( ) const [virtual]

6.217.2.14 virtual bool activemq::commands::ConnectionControl::isSuspend ( ) const [virtual]

6.217.2.15 virtual void activemq::commands::ConnectionControl::setClose (bool *close*) [virtual]

6.217.2.16 virtual void activemq::commands::ConnectionControl::setConnectedBrokers (const std::string & *connectedBrokers*) [virtual]

6.217.2.17 virtual void activemq::commands::ConnectionControl::setExit (bool *exit*) [virtual]

6.217.2.18 virtual void activemq::commands::ConnectionControl::setFaultTolerant (bool *faultTolerant*) [virtual]

6.217.2.19 virtual void activemq::commands::ConnectionControl::setRebalanceConnection (bool *rebalanceConnection*) [virtual]

6.217.2.20 virtual void activemq::commands::ConnectionControl::setReconnectTo (const std::string & *reconnectTo*) [virtual]

6.217.2.21 virtual void activemq::commands::ConnectionControl::setResume (bool *resume*) [virtual]

6.217.2.22 virtual void activemq::commands::ConnectionControl::setSuspend (bool *suspend*) [virtual]

6.217.2.23 virtual std::string activemq::commands::ConnectionControl::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.217.2.24 virtual Pointer<Command> activemq::commands::ConnectionControl::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.217.3 Field Documentation

6.217.3.1 bool activemq::commands::ConnectionControl::close [protected]

6.217.3.2 std::string activemq::commands::ConnectionControl::connectedBrokers [protected]

6.217.3.3 bool activemq::commands::ConnectionControl::exit [protected]

6.217.3.4 bool activemq::commands::ConnectionControl::faultTolerant [protected]

6.217.3.5 const unsigned char activemq::commands::ConnectionControl::ID_-CONNECTIONCONTROL = 18 [static]

6.217.3.6 bool activemq::commands::ConnectionControl::rebalanceConnection [protected]

6.217.3.7 std::string activemq::commands::ConnectionControl::reconnectTo [protected]

6.217.3.8 bool activemq::commands::ConnectionControl::resume [protected]

6.217.3.9 bool activemq::commands::ConnectionControl::suspend [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ConnectionControl.h**

6.218 activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1307).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/ConnectionControlMarshal`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller:

Public Member Functions

- **ConnectionControlMarshaller** ()
- virtual ∼**ConnectionControlMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.218.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1307). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.218.2 Constructor & Destructor Documentation

6.218.2.1 activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller::ConnectionControlMarshaller ( ) [inline]

6.218.2.2 virtual activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller::~ConnectionControlMarshaller ( ) [inline, virtual]

6.218.3 Member Function Documentation

6.218.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.218.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller::getDataStructure ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.218.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.218.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.218.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.218.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.218.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ConnectionControlMarshaller.h**

6.219 activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1311).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ConnectionControlMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller:

Public Member Functions

- **ConnectionControlMarshaller** ()
- virtual ∼**ConnectionControlMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.219.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1311).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.219.2 Constructor & Destructor Documentation

6.219.2.1 activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller::ConnectionControlMarshaller ( ) [inline]

6.219.2.2 virtual activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller::∼ConnectionControlMarshaller ( ) [inline, virtual]

6.219.3 Member Function Documentation

6.219.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.219.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller::getDataStructure ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.219.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.219.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.219.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.219.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.219.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ConnectionControlMarshaller.h**

6.220 activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1315).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ConnectionControlMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller:

Public Member Functions

- **ConnectionControlMarshaller** ()
- virtual ~**ConnectionControlMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.220.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1315).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.220.2 Constructor & Destructor Documentation

6.220.2.1 activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller::ConnectionControlMarshaller ( ) [inline]

6.220.2.2 virtual activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller::∼ConnectionControlMarshaller ( ) [inline, virtual]

6.220.3 Member Function Documentation

6.220.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.220.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.220.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.220.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.220.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.220.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.220.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ConnectionControlMarshaller.h**

6.221 activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1319).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ConnectionControlMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller:

Public Member Functions

- **ConnectionControlMarshaller** ()
- virtual ∼**ConnectionControlMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.221.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1319).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.221.2 Constructor & Destructor Documentation

6.221.2.1 activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller::ConnectionControlMarshaller ( ) [inline]

6.221.2.2 virtual activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller::~ConnectionControlMarshaller ( ) [inline, virtual]

6.221.3 Member Function Documentation

6.221.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.221.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.221.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.221.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.221.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.221.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.221.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ConnectionControlMarshaller.h**

6.222 activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1324).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/ConnectionContr`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller:

Public Member Functions

- **ConnectionControlMarshaller** ()
- virtual ∼**ConnectionControlMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.222.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1324).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.222.2 Constructor & Destructor Documentation

6.222.2.1 activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller::ConnectionControlMarshaller ( ) [inline]

6.222.2.2 virtual activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller::~ConnectionControlMarshaller ( ) [inline, virtual]

6.222.3 Member Function Documentation

6.222.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.222.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.222.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.222.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.222.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.222.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.222.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ConnectionControlMarshaller.h**

6.223 activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1328).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ConnectionContr`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller:

Public Member Functions

- **ConnectionControlMarshaller** ()
- virtual ∼**ConnectionControlMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.223.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1328).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.223.2 Constructor & Destructor Documentation

6.223.2.1 activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller::ConnectionControlMarshaller ( ) [inline]

6.223.2.2 virtual activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller::∼ConnectionControlMarshaller ( ) [inline, virtual]

6.223.3 Member Function Documentation

6.223.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.223.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.223.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.223.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.223.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.223.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.223.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ConnectionControlMarshaller.h**

6.224 activemq::commands::ConnectionError Class Reference

`#include <src/main/activemq/commands/ConnectionError.h>`

Inheritance diagram for activemq::commands::ConnectionError:

Public Member Functions

- **ConnectionError** ()
- virtual ~**ConnectionError** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ConnectionError** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **BrokerError** > & **getException** () const
- virtual **Pointer**< **BrokerError** > & **getException** ()
- virtual void **setException** (const **Pointer**< **BrokerError** > &**exception**)
- virtual const **Pointer**< **ConnectionId** > & **getConnectionId** () const
- virtual **Pointer**< **ConnectionId** > & **getConnectionId** ()
- virtual void **setConnectionId** (const **Pointer**< **ConnectionId** > &**connectionId**)
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_CONNECTIONERROR** = 16

Protected Attributes

- **Pointer**< **BrokerError** > **exception**
- **Pointer**< **ConnectionId** > **connectionId**

6.224.1 Constructor & Destructor Documentation

6.224.1.1 activemq::commands::ConnectionError::ConnectionError ( )

6.224.1.2 virtual activemq::commands::ConnectionError::~ConnectionError ( ) [virtual]

6.224.2 Member Function Documentation

6.224.2.1 virtual ConnectionError* activemq::commands::ConnectionError::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.224.2.2 virtual void activemq::commands::ConnectionError::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.224.2.3 virtual bool activemq::commands::ConnectionError::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.224.2.4 virtual const Pointer<ConnectionId>& activemq::commands::ConnectionError::getConnectionId ( ) const [virtual]

6.224.2.5 virtual Pointer<ConnectionId>& activemq::commands::ConnectionError::getConnectionId ( ) [virtual]

6.224.2.6 virtual unsigned char activemq::commands::ConnectionError::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.224.2.7 virtual Pointer<BrokerError>& activemq::commands::ConnectionError::getException ( ) [virtual]

6.224.2.8 virtual const Pointer<BrokerError>& activemq::commands::ConnectionError::getException ( ) const [virtual]

6.224.2.9 virtual void activemq::commands::ConnectionError::setConnectionId (const Pointer< ConnectionId > & *connectionId*) [virtual]

6.224.2.10 virtual void activemq::commands::ConnectionError::setException (const Pointer< BrokerError > & *exception*) [virtual]

6.224.2.11 virtual std::string activemq::commands::ConnectionError::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.224.2.12 virtual Pointer<Command> activemq::commands::ConnectionError::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.224.3 Field Documentation

6.224.3.1 Pointer<ConnectionId> activemq::commands::ConnectionError::connectionId [protected]

6.224.3.2 Pointer<BrokerError> activemq::commands::ConnectionError::exception [protected]

6.224.3.3 const unsigned char activemq::commands::ConnectionError::ID_-CONNECTIONERROR = 16 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ConnectionError.h**

6.225 activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1336).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ConnectionError`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller:

Public Member Functions

- **ConnectionErrorMarshaller** ()
- virtual ~**ConnectionErrorMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.225.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1336).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.225.2 Constructor & Destructor Documentation

6.225.2.1 activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller::ConnectionErrorMarshaller ( ) [inline]

6.225.2.2 virtual activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller::∼ConnectionErrorMarshaller ( ) [inline, virtual]

6.225.3 Member Function Documentation

6.225.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.225.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.225.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.225.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.225.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.225.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.225.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ConnectionErrorMarshaller.h**

6.226 activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1340).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ConnectionError
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller:

Public Member Functions

- **ConnectionErrorMarshaller** ()
- virtual ~**ConnectionErrorMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.226.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1340).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.226.2 Constructor & Destructor Documentation

6.226.2.1 activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller::ConnectionErrorMarshaller ( ) [inline]

6.226.2.2 virtual activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller::∼ConnectionErrorMarshaller ( ) [inline, virtual]

6.226.3 Member Function Documentation

6.226.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.226.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.226.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.226.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.226.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.226.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.226.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) `[virtual]`

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ConnectionErrorMarshaller.h**

6.227 activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1344).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/ConnectionError`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller:

Public Member Functions

- **ConnectionErrorMarshaller** ()
- virtual ∼**ConnectionErrorMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.227.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1344). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.227.2 Constructor & Destructor Documentation

6.227.2.1 activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller::ConnectionErrorMarshaller ( ) [inline]

6.227.2.2 virtual activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller::~ConnectionErrorMarshaller ( ) [inline, virtual]

6.227.3 Member Function Documentation

6.227.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.227.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.227.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.227.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.227.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.227.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.227.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ConnectionErrorMarshaller.h**

6.228 activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1349).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/ConnectionErrorMarshalle`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller:

Public Member Functions

- **ConnectionErrorMarshaller** ()
- virtual ∼**ConnectionErrorMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.228.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1349). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.228.2 Constructor & Destructor Documentation

6.228.2.1 activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller::ConnectionErrorMarshaller ( ) [inline]

6.228.2.2 virtual activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller::~ConnectionErrorMarshaller ( ) [inline, virtual]

6.228.3 Member Function Documentation

6.228.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.228.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.228.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.228.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.228.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.228.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.228.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ConnectionErrorMarshaller.h**

6.229 activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1353).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ConnectionErrorMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller:

Public Member Functions

- **ConnectionErrorMarshaller** ()
- virtual ∼**ConnectionErrorMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.229.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1353).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.229.2 Constructor & Destructor Documentation

6.229.2.1 activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller::ConnectionErrorMarshaller ( ) [inline]

6.229.2.2 virtual activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller::∼ConnectionErrorMarshaller ( ) [inline, virtual]

6.229.3 Member Function Documentation

6.229.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.229.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.229.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.229.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.229.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.229.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.229.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ConnectionErrorMarshaller.h**

6.230 activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1357).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ConnectionErrorMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller:

Public Member Functions

- **ConnectionErrorMarshaller** ()
- virtual ~**ConnectionErrorMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.230.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1357).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.230.2 Constructor & Destructor Documentation

6.230.2.1 activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller::ConnectionErrorMarshaller ( ) [inline]

6.230.2.2 virtual activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller::∼ConnectionErrorMarshaller ( ) [inline, virtual]

6.230.3 Member Function Documentation

6.230.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.230.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.230.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.230.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.230.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.230.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.230.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ConnectionErrorMarshaller.h**

6.231 cms::ConnectionFactory Class Reference

Defines the interface for a factory that creates connection objects, the **Connection** (p. 1296) objects returned implement the CMS **Connection** (p. 1296) interface and hide the CMS Provider specific implementation details behind that interface.

```
#include <src/main/cms/ConnectionFactory.h>
```

Inheritance diagram for cms::ConnectionFactory:

Public Member Functions

- virtual ∼**ConnectionFactory** ()
- virtual **Connection** ∗ **createConnection** ()=0 throw (CMSException)

  Creates a connection with the default user identity.

- virtual **cms::Connection** ∗ **createConnection** (const std::string &username, const std::string &password)=0 throw (cms::CMSException)

  Creates a connection with the default specified identity.

- virtual **cms::Connection** ∗ **createConnection** (const std::string &username, const std::string &password, const std::string &clientId)=0 throw (cms::CMSException)

  Creates a connection with the specified user identity.

Static Public Member Functions

- static **ConnectionFactory** ∗ **createCMSConnectionFactory** (const std::string &brokerURI) throw (cms::CMSException)

  Static method that is used to create a provider specific connection factory.

6.231.1 Detailed Description

Defines the interface for a factory that creates connection objects, the **Connection** (p. 1296) objects returned implement the CMS **Connection** (p. 1296) interface and hide the CMS Provider specific implementation details behind that interface. A Client creates a new **ConnectionFactory** (p. 1361) either directly by instantiating the provider specific implementation of the factory or by using the static method `createCMSConnectionFactory` which all providers are required to implement.

Since

1.0

6.231.2 Constructor & Destructor Documentation

6.231.2.1 virtual cms::ConnectionFactory::∼ConnectionFactory ( ) [inline, virtual]

6.231.3 Member Function Documentation

6.231.3.1 static ConnectionFactory∗ cms::ConnectionFactory::createCMSConnectionFactory (const std::string & *brokerURI*) throw (cms::CMSException) [static]

Static method that is used to create a provider specific connection factory.

The provider implements this method in their library and returns an instance of a **ConnectionFactory** (p. 1361) derived object. Clients can use this method to remain abstracted from the specific CMS implementation being used.

Parameters

brokerURI	The remote address to use to connect to the Provider.

Returns

A pointer to a provider specific implementation of the **ConnectionFactory** (p. 1361) interface, the caller is responsible for deleting this resource.

Exceptions

CMSException *(p. 1190)*	if an internal error occurs while creating the **ConnectionFactory** (p. 1361).

6.231.3.2 virtual cms::Connection* cms::ConnectionFactory::createConnection (const std::string & *username*, const std::string & *password*) throw (cms::CMSException) [pure virtual]

Creates a connection with the default specified identity.

The connection is created in stopped mode. No messages will be delivered until the **Connection.start** (p. 3692) method is explicitly called. The username and password values passed here do not change the defaults, subsequent calls to the parameterless createConnection will continue to use the default values that were set in the Constructor.

Parameters

username	The user name used to authenticate with the Provider.
password	The password used to authenticate with the Provider.

Returns

A pointer to a connection object, caller owns the pointer and is responsible for closing the connection and deleting the instance.

Exceptions

CMSException *(p. 1190)*	if an internal error occurs while creating the **Connection** (p. 1296).

Implemented in **activemq::core::ActiveMQConnectionFactory** (p. 285).

6.231.3.3 virtual cms::Connection* cms::ConnectionFactory::createConnection (const std::string & *username,* const std::string & *password,* const std::string & *clientId*) throw (cms::CMSException) [pure virtual]

Creates a connection with the specified user identity.

The connection is created in stopped mode. No messages will be delivered until the **Connection.start** (p. 3692) method is explicitly called. The user name and password values passed here do not change the defaults, subsequent calls to the parameterless createConnection will continue to use the default values that were set in the Constructor.

Parameters

username	The user name used to authenticate with the Provider.
password	The password used to authenticate with the Provider.
clientId	The Client Id assigned to connection. If the id is the empty string ("") then a random client Id is created for this connection.

Returns

A pointer to a connection object, caller owns the pointer and is responsible for closing the connection and deleting the instance.

Exceptions

CMSException *(p. 1190)*	if an internal error occurs while creating the **Connection** (p. 1296).

Implemented in **activemq::core::ActiveMQConnectionFactory** (p. 286).

6.231.3.4 virtual Connection* cms::ConnectionFactory::createConnection ( ) throw (CMSException) [pure virtual]

Creates a connection with the default user identity.

The connection is created in stopped mode. No messages will be delivered until the **Connection.start** (p. 3692) method is explicitly called.

Returns

A pointer to a connection object, caller owns the pointer and is responsible for closing the connection and deleting the instance.

Exceptions

CMSException *(p. 1190)*	if an internal error occurs while creating the **Connection** (p. 1296).

Implemented in **activemq::core::ActiveMQConnectionFactory** (p. 285).

The documentation for this class was generated from the following file:

- src/main/cms/**ConnectionFactory.h**

6.232 activemq::commands::ConnectionId Class Reference

`#include <src/main/activemq/commands/ConnectionId.h>`

Inheritance diagram for activemq::commands::ConnectionId:

Public Types

- typedef **decaf::lang::PointerComparator**< **ConnectionId** > **COMPARATOR**

Public Member Functions

- **ConnectionId** ()
- **ConnectionId** (const **ConnectionId** &other)
- **ConnectionId** (const **SessionId** *sessionId)
- **ConnectionId** (const **ProducerId** *producerId)
- **ConnectionId** (const **ConsumerId** *consumerId)
- virtual ~**ConnectionId** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ConnectionId** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ***value**) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const std::string & **getValue** () const
- virtual std::string & **getValue** ()
- virtual void **setValue** (const std::string &**value**)
- virtual int **compareTo** (const **ConnectionId** &**value**) const

- virtual bool **equals** (const **ConnectionId** &**value**) const
- virtual bool **operator==** (const **ConnectionId** &**value**) const
- virtual bool **operator**< (const **ConnectionId** &**value**) const
- **ConnectionId** & **operator=** (const **ConnectionId** &other)

Static Public Attributes

- static const unsigned char **ID_CONNECTIONID** = 120

Protected Attributes

- std::string **value**

6.232.1 Member Typedef Documentation

6.232.1.1 typedef decaf::lang::PointerComparator<ConnectionId> activemq::commands::ConnectionId::COMPARATOR

6.232.2 Constructor & Destructor Documentation

6.232.2.1 activemq::commands::ConnectionId::ConnectionId ( )

6.232.2.2 activemq::commands::ConnectionId::ConnectionId (const ConnectionId & *other*)

6.232.2.3 activemq::commands::ConnectionId::ConnectionId (const SessionId * *sessionId*)

6.232.2.4 activemq::commands::ConnectionId::ConnectionId (const ProducerId * *producerId*)

6.232.2.5 activemq::commands::ConnectionId::ConnectionId (const ConsumerId * *consumerId*)

6.232.2.6 virtual activemq::commands::ConnectionId::~ConnectionId ( ) [virtual]

6.232.3 Member Function Documentation

6.232.3.1 virtual ConnectionId* activemq::commands::ConnectionId::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.232.3.2 virtual int activemq::commands::ConnectionId::compareTo (const ConnectionId & *value*) const [virtual]

6.232.3.3 virtual void activemq::commands::ConnectionId::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

6.232.3.4 virtual bool activemq::commands::ConnectionId::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

6.232.3.5 virtual bool activemq::commands::ConnectionId::equals (const ConnectionId & *value*) const [virtual]

6.232.3.6 virtual unsigned char activemq::commands::ConnectionId::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.232.3.7 virtual const std::string& activemq::commands::ConnectionId::getValue ( ) const [virtual]

6.232.3.8 virtual std::string& activemq::commands::ConnectionId::getValue ( ) [virtual]

6.232.3.9 virtual bool activemq::commands::ConnectionId::operator< (const ConnectionId & *value*) const [virtual]

6.232.3.10 ConnectionId& activemq::commands::ConnectionId::operator= (const ConnectionId & *other*)

6.232.3.11 virtual bool activemq::commands::ConnectionId::operator== (const ConnectionId & *value*) const [virtual]

6.232.3.12 virtual void activemq::commands::ConnectionId::setValue (const std::string & *value*) [virtual]

6.232.3.13 virtual std::string activemq::commands::ConnectionId::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

6.232.4 Field Documentation

6.232.4.1 const unsigned char activemq::commands::ConnectionId::ID_-CONNECTIONID = 120 [static]

Referenced by activemq::state::CommandVisitorAdapter::processRemoveInfo().

6.232.4.2 std::string activemq::commands::ConnectionId::value [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ConnectionId.h**

6.233 activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1368).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/ConnectionIdMarshaller.h
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller:

Public Member Functions

- **ConnectionIdMarshaller** ()
- virtual ∼**ConnectionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.233.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1368). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.233.2 Constructor & Destructor Documentation

6.233.2.1 activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller::ConnectionIdMarshaller ( ) [inline]

6.233.2.2 virtual activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller::~ConnectionIdMarshaller ( ) [inline, virtual]

6.233.3 Member Function Documentation

6.233.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.233.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.233.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.233.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.233.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.233.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.233.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ConnectionIdMarshaller.h**

6.234 activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1373).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/ConnectionIdMarshaller.h`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller:

Public Member Functions

- **ConnectionIdMarshaller** ()
- virtual ∼**ConnectionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.234.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1373). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.234.2 Constructor & Destructor Documentation

6.234.2.1 activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller::ConnectionIdMarshaller ( ) [inline]

6.234.2.2 virtual activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller::~ConnectionIdMarshaller ( ) [inline, virtual]

6.234.3 Member Function Documentation

6.234.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.234.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.234.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.234.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.234.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.234.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.234.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ConnectionIdMarshaller.h**

6.235 activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1377).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ConnectionIdMarshaller.h
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller:

Public Member Functions

- **ConnectionIdMarshaller** ()
- virtual ∼**ConnectionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.235.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1377). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.235.2 Constructor & Destructor Documentation

6.235.2.1 activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller::ConnectionIdMarshaller ( ) [inline]

6.235.2.2 virtual activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller::~ConnectionIdMarshaller ( ) [inline, virtual]

6.235.3 Member Function Documentation

6.235.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.235.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.235.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.235.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.235.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.235.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.235.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ConnectionIdMarshaller.h**

6.236 activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1381).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ConnectionIdMarshaller.h
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller:

Public Member Functions

- **ConnectionIdMarshaller** ()
- virtual ∼**ConnectionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.236.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1381). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.236.2 Constructor & Destructor Documentation

6.236.2.1 activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller::ConnectionIdMarshaller ( ) [inline]

6.236.2.2 virtual activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller::~ConnectionIdMarshaller ( ) [inline, virtual]

6.236.3 Member Function Documentation

6.236.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.236.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.236.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.236.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.236.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.236.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.236.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ConnectionIdMarshaller.h**

6.237 activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1385).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ConnectionIdMarshaller.h
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller:

Public Member Functions

- **ConnectionIdMarshaller** ()
- virtual ∼**ConnectionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.237.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1385). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.237.2 Constructor & Destructor Documentation

6.237.2.1 activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller::ConnectionIdMarshaller ( ) [inline]

6.237.2.2 virtual activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller::~ConnectionIdMarshaller ( ) [inline, virtual]

6.237.3 Member Function Documentation

6.237.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.237.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.237.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.237.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.237.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.237.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.237.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ConnectionIdMarshaller.h**

6.238 activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1389).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ConnectionIdMarshaller.h
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller:

Public Member Functions

- **ConnectionIdMarshaller** ()
- virtual ∼**ConnectionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.238.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1389). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.238.2 Constructor & Destructor Documentation

6.238.2.1 activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller::ConnectionIdMarshaller ( ) [inline]

6.238.2.2 virtual activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller::~ConnectionIdMarshaller ( ) [inline, virtual]

6.238.3 Member Function Documentation

6.238.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.238.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.238.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.238.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.238.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.238.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.238.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ConnectionIdMarshaller.h**

6.239 activemq::commands::ConnectionInfo Class Reference

`#include <src/main/activemq/commands/ConnectionInfo.h>`

Inheritance diagram for activemq::commands::ConnectionInfo:

Public Member Functions

- **ConnectionInfo** ()
- virtual ∼**ConnectionInfo** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ConnectionInfo** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- **Pointer**< **RemoveInfo** > **createRemoveCommand** () const
- virtual const **Pointer**< **ConnectionId** > & **getConnectionId** () const
- virtual **Pointer**< **ConnectionId** > & **getConnectionId** ()
- virtual void **setConnectionId** (const **Pointer**< **ConnectionId** > &**connectionId**)
- virtual const std::string & **getClientId** () const
- virtual std::string & **getClientId** ()
- virtual void **setClientId** (const std::string &**clientId**)
- virtual const std::string & **getPassword** () const
- virtual std::string & **getPassword** ()
- virtual void **setPassword** (const std::string &**password**)
- virtual const std::string & **getUserName** () const
- virtual std::string & **getUserName** ()
- virtual void **setUserName** (const std::string &**userName**)

- virtual const std::vector< **decaf::lang::Pointer**< **BrokerId** > > & **getBrokerPath** () const
- virtual std::vector< **decaf::lang::Pointer**< **BrokerId** > > & **getBrokerPath** ()
- virtual void **setBrokerPath** (const std::vector< **decaf::lang::Pointer**< **BrokerId** > > &**brokerPath**)
- virtual bool **isBrokerMasterConnector** () const
- virtual void **setBrokerMasterConnector** (bool **brokerMasterConnector**)
- virtual bool **isManageable** () const
- virtual void **setManageable** (bool **manageable**)
- virtual bool **isClientMaster** () const
- virtual void **setClientMaster** (bool **clientMaster**)
- virtual bool **isFaultTolerant** () const
- virtual void **setFaultTolerant** (bool **faultTolerant**)
- virtual bool **isConnectionInfo** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_CONNECTIONINFO** = 3

Protected Attributes

- **Pointer**< **ConnectionId** > **connectionId**
- std::string **clientId**
- std::string **password**
- std::string **userName**
- std::vector< **decaf::lang::Pointer**< **BrokerId** > > **brokerPath**
- bool **brokerMasterConnector**
- bool **manageable**
- bool **clientMaster**
- bool **faultTolerant**

6.239.1 Constructor & Destructor Documentation

6.239.1.1 activemq::commands::ConnectionInfo::ConnectionInfo ( )

6.239.1.2 virtual activemq::commands::ConnectionInfo::~ConnectionInfo ( ) [virtual]

6.239.2 Member Function Documentation

6.239.2.1 virtual ConnectionInfo* activemq::commands::ConnectionInfo::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.239.2.2 virtual void activemq::commands::ConnectionInfo::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.239.2.3 Pointer<RemoveInfo> activemq::commands::ConnectionInfo::createRemoveCommand ( ) const

6.239.2.4 virtual bool activemq::commands::ConnectionInfo::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.239.2.5 virtual const std::vector< decaf::lang::Pointer<BrokerId> >& activemq::commands::ConnectionInfo::getBrokerPath ( ) const [virtual]

6.239.2.6 virtual std::vector< decaf::lang::Pointer<BrokerId> >& activemq::commands::ConnectionInfo::getBrokerPath ( ) [virtual]

6.239.2.7 virtual const std::string& activemq::commands::ConnectionInfo::getClientId ( ) const [virtual]

6.239.2.8 virtual std::string& activemq::commands::ConnectionInfo::getClientId ( ) [virtual]

6.239.2.9 virtual Pointer<ConnectionId>& activemq::commands::ConnectionInfo::getConnectionId ( ) [virtual]

6.239.2.10 virtual const Pointer<ConnectionId>& activemq::commands::ConnectionInfo::getConnectionId ( ) const [virtual]

6.239.2.11 virtual unsigned char activemq::commands::ConnectionInfo::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.239.2.12 virtual const std::string& activemq::commands::ConnectionInfo::getPassword ( ) const [virtual]

6.239.2.13 virtual std::string& activemq::commands::ConnectionInfo::getPassword ( ) [virtual]

6.239.2.14 virtual const std::string& activemq::commands::ConnectionInfo::getUserName ( ) const [virtual]

6.239.2.15 virtual std::string& activemq::commands::ConnectionInfo::getUserName ( ) [virtual]

6.239.2.16 virtual bool activemq::commands::ConnectionInfo::isBrokerMasterConnector ( ) const [virtual]

6.239.2.17 virtual bool activemq::commands::ConnectionInfo::isClientMaster ( ) const [virtual]

6.239.2.18 virtual bool activemq::commands::ConnectionInfo::isConnectionInfo ( ) const [inline, virtual]

Returns

an answer of true to the **isConnectionInfo()** (p. 1397) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 768).

6.239.2.19 virtual bool activemq::commands::ConnectionInfo::isFaultTolerant ( ) const [virtual]

6.239.2.20 virtual bool activemq::commands::ConnectionInfo::isManageable ( ) const [virtual]

6.239.2.21 virtual void activemq::commands::ConnectionInfo::setBrokerMasterConnector (bool *brokerMasterConnector*) [virtual]

6.239.2.22 virtual void activemq::commands::ConnectionInfo::setBrokerPath (const std::vector< decaf::lang::Pointer< BrokerId > > & *brokerPath*) [virtual]

6.239.2.23 virtual void activemq::commands::ConnectionInfo::setClientId (const std::string & *clientId*) [virtual]

6.239.2.24 virtual void activemq::commands::ConnectionInfo::setClientMaster (bool *clientMaster*) [virtual]

6.239.2.25 virtual void activemq::commands::ConnectionInfo::setConnectionId (const Pointer< ConnectionId > & *connectionId*) [virtual]

6.239.2.26 virtual void activemq::commands::ConnectionInfo::setFaultTolerant (bool *faultTolerant*) [virtual]

6.239.2.27 virtual void activemq::commands::ConnectionInfo::setManageable (bool *manageable*) [virtual]

6.239.2.28 virtual void activemq::commands::ConnectionInfo::setPassword (const std::string & *password*) [virtual]

6.239.2.29 virtual void activemq::commands::ConnectionInfo::setUserName (const std::string & *userName*) [virtual]

6.239.2.30 virtual std::string activemq::commands::ConnectionInfo::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.239.2.31 virtual Pointer<Command> activemq::commands::ConnectionInfo::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.239.3 Field Documentation

6.239.3.1 bool activemq::commands::ConnectionInfo::brokerMasterConnector [protected]

6.239.3.2 std::vector< decaf::lang::Pointer<BrokerId> > activemq::commands::ConnectionInfo::brokerPath [protected]

6.239.3.3 std::string activemq::commands::ConnectionInfo::clientId [protected]

6.239.3.4 bool activemq::commands::ConnectionInfo::clientMaster [protected]

6.239.3.5 Pointer<ConnectionId> activemq::commands::ConnectionInfo::connectionId [protected]

6.239.3.6 bool activemq::commands::ConnectionInfo::faultTolerant [protected]

6.239.3.7 const unsigned char activemq::commands::ConnectionInfo::ID_CONNECTIONINFO = 3 [static]

6.239.3.8 bool activemq::commands::ConnectionInfo::manageable [protected]

6.239.3.9 std::string activemq::commands::ConnectionInfo::password [protected]

6.239.3.10 std::string activemq::commands::ConnectionInfo::userName [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ConnectionInfo.h**

6.240 activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1400).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ConnectionInfoM`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller:

Public Member Functions

- **ConnectionInfoMarshaller** ()
- virtual ∼**ConnectionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.240.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1400). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.240.2 Constructor & Destructor Documentation

6.240.2.1 activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller::ConnectionInfoMarshaller ( ) [inline]

6.240.2.2 virtual activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller::~ConnectionInfoMarshaller ( ) [inline, virtual]

6.240.3 Member Function Documentation

6.240.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.240.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.240.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.240.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.240.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.240.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.240.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ConnectionInfoMarshaller.h**

6.241 activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1404).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ConnectionInfoM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller:

Public Member Functions

- **ConnectionInfoMarshaller** ()
- virtual ∼**ConnectionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.241.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1404).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.241.2 Constructor & Destructor Documentation

6.241.2.1 activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller::ConnectionInfoMarshaller ( ) [inline]

6.241.2.2 virtual activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller::∼ConnectionInfoMarshaller ( ) [inline, virtual]

6.241.3 Member Function Documentation

6.241.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.241.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.241.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.241.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.241.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.241.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.241.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ConnectionInfoMarshaller.h**

6.242 activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1408).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ConnectionInfoM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller:

Public Member Functions

- **ConnectionInfoMarshaller** ()
- virtual ~**ConnectionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.242.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1408). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.242.2 Constructor & Destructor Documentation

6.242.2.1 activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller::ConnectionInfoMarshaller ( ) [inline]

6.242.2.2 virtual activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller::∼ConnectionInfoMarshaller ( ) [inline, virtual]

6.242.3 Member Function Documentation

6.242.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.242.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.242.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.242.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.242.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.242.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.242.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ConnectionInfoMarshaller.h**

6.243 activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1412).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ConnectionInfoM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller:

Public Member Functions

- **ConnectionInfoMarshaller** ()
- virtual ~**ConnectionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.243.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1412). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.243.2 Constructor & Destructor Documentation

6.243.2.1 activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller::ConnectionInfoMarshaller ( ) [inline]

6.243.2.2 virtual activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller::~ConnectionInfoMarshaller ( ) [inline, virtual]

6.243.3 Member Function Documentation

6.243.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.243.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.243.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.243.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.243.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.243.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.243.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ConnectionInfoMarshaller.h**

6.244 activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1417).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/ConnectionInfoMarshaller`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller:

Public Member Functions

- **ConnectionInfoMarshaller** ()
- virtual ∼**ConnectionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.244.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1417). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.244.2 Constructor & Destructor Documentation

6.244.2.1 activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller::ConnectionInfoMarshaller ( ) [inline]

6.244.2.2 virtual activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller::~ConnectionInfoMarshaller ( ) [inline, virtual]

6.244.3 Member Function Documentation

6.244.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.244.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.244.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.244.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.244.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.244.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.244.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ConnectionInfoMarshaller.h**

6.245 activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1421).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ConnectionInfoMarshaller
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller:

Public Member Functions

- **ConnectionInfoMarshaller** ()
- virtual ∼**ConnectionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.245.1 Detailed Description

Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1421).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.245.2 Constructor & Destructor Documentation

6.245.2.1 activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller::ConnectionInfoMarshaller ( ) [inline]

6.245.2.2 virtual activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller::∼ConnectionInfoMarshaller ( ) [inline, virtual]

6.245.3 Member Function Documentation

6.245.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.245.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.245.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.245.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.245.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.245.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.245.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ConnectionInfoMarshaller.h**

6.246 cms::ConnectionMetaData Class Reference

A **ConnectionMetaData** (p. 1425) object provides information describing the **Connection** (p. 1296) object.

`#include <src/main/cms/ConnectionMetaData.h>`

Inheritance diagram for cms::ConnectionMetaData:

Public Member Functions

- virtual ~**ConnectionMetaData** ()
- virtual std::string **getCMSVersion** () const =0 throw (cms::CMSException)

  Gets the CMS API version.

- virtual int **getCMSMajorVersion** () const =0 throw (cms::CMSException)

  Gets the CMS major version number.

- virtual int **getCMSMinorVersion** () const =0 throw (cms::CMSException)

  Gets the CMS minor version number.

- virtual std::string **getCMSProviderName** () const =0 throw (cms::CMSException)

  Gets the CMS provider name.

- virtual std::string **getProviderVersion** () const =0 throw (cms::CMSException)

  Gets the CMS provider version.

- virtual int **getProviderMajorVersion** () const =0 throw (cms::CMSException)

  Gets the CMS provider major version number.

- virtual int **getProviderMinorVersion** () const =0 throw (cms::CMSException)

  Gets the CMS provider minor version number.

- virtual std::vector< std::string > **getCMSXPropertyNames** () const =0 throw (cms::CMSException)

  Gets an Vector of the CMSX property names.

6.246.1 Detailed Description

A **ConnectionMetaData** (p. 1425) object provides information describing the **Connection** (p. 1296) object.

Since

1.3

6.246.2 Constructor & Destructor Documentation

6.246.2.1 virtual cms::ConnectionMetaData::~ConnectionMetaData ( ) [inline, virtual]

6.246.3 Member Function Documentation

6.246.3.1 virtual int cms::ConnectionMetaData::getCMSMajorVersion ( ) const throw (cms::CMSException) [pure virtual]

Gets the CMS major version number.

Returns

the CMS API major version number

Exceptions

CMSException *(p. 1190)*	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implemented in **activemq::core::ActiveMQConnectionMetaData** (p. 294).

6.246.3.2 virtual int cms::ConnectionMetaData::getCMSMinorVersion ( ) const throw (cms::CMSException) [pure virtual]

Gets the CMS minor version number.

Returns

the CMS API minor version number

Exceptions

CMSException *(p. 1190)*	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implemented in **activemq::core::ActiveMQConnectionMetaData** (p. 294).

6.246.3.3 virtual std::string cms::ConnectionMetaData::getCMSProviderName ( ) const throw (cms::CMSException) [pure virtual]

Gets the CMS provider name.

Returns

the CMS provider name

Exceptions

CMSException *(p. 1190)*	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implemented in **activemq::core::ActiveMQConnectionMetaData** (p. 295).

6.246.3.4 virtual std::string cms::ConnectionMetaData::getCMSVersion ( ) const throw (cms::CMSException) [pure virtual]

Gets the CMS API version.

Returns

the CMS API Version in String form.

Exceptions

CMSException *(p. 1190)*	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implemented in **activemq::core::ActiveMQConnectionMetaData** (p. 295).

6.246.3.5 virtual std::vector<std::string> cms::ConnectionMetaData::getCMSXPropertyNames ( ) const throw (cms::CMSException) [pure virtual]

Gets an Vector of the CMSX property names.

Returns

an Vector of CMSX property names

Exceptions

CMSException *(p. 1190)*	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implemented in **activemq::core::ActiveMQConnectionMetaData** (p. 295).

6.246.3.6 virtual int cms::ConnectionMetaData::getProviderMajorVersion ( ) const throw (cms::CMSException) [pure virtual]

Gets the CMS provider major version number.

Returns

the CMS provider major version number

Exceptions

CMSException *(p. 1190)*	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implemented in **activemq::core::ActiveMQConnectionMetaData** (p. 296).

6.246.3.7 virtual int cms::ConnectionMetaData::getProviderMinorVersion ( ) const throw (cms::CMSException) [pure virtual]

Gets the CMS provider minor version number.

Returns

the CMS provider minor version number

Exceptions

CMSException *(p. 1190)*	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implemented in **activemq::core::ActiveMQConnectionMetaData** (p. 296).

6.246.3.8 virtual std::string cms::ConnectionMetaData::getProviderVersion ( ) const throw (cms::CMSException) [pure virtual]

Gets the CMS provider version.

Returns

the CMS provider version

Exceptions

CMSException *(p. 1190)*	If the CMS Provider fails to retrieve the metadata due to some internal error.

Implemented in **activemq::core::ActiveMQConnectionMetaData** (p. 296).

The documentation for this class was generated from the following file:

- src/main/cms/**ConnectionMetaData.h**

6.247 activemq::state::ConnectionState Class Reference

```
#include <src/main/activemq/state/ConnectionState.h>
```

Public Member Functions

- **ConnectionState** (const **Pointer**< **ConnectionInfo** > &info)
- virtual ~**ConnectionState** ()
- std::string **toString** () const
- const **Pointer**< **commands::ConnectionInfo** > & **getInfo** () const
- void **checkShutdown** () const
- void **shutdown** ()
- void **reset** (const **Pointer**< **ConnectionInfo** > &info)
- void **addTempDestination** (const **Pointer**< **DestinationInfo** > &info)
- void **removeTempDestination** (const **Pointer**< **ActiveMQDestination** > &destination)
- void **addTransactionState** (const **Pointer**< **TransactionId** > &id)
- const **Pointer**< **TransactionState** > & **getTransactionState** (const **Pointer**< **TransactionId** > &id) const
- std::vector< **Pointer**< **TransactionState** > > **getTransactionStates** () const

- **Pointer**< **TransactionState** > **removeTransactionState** (const **Pointer**< **TransactionId** > &id)

- void **addSession** (const **Pointer**< **SessionInfo** > &info)

- **Pointer**< **SessionState** > **removeSession** (const **Pointer**< **SessionId** > &id)

- const **Pointer**< **SessionState** > & **getSessionState** (const **Pointer**< **SessionId** > &id) const

- const **StlList**< **Pointer**< **DestinationInfo** > > & **getTempDesinations** () const

- std::vector< **Pointer**< **SessionState** > > **getSessionStates** () const

- **StlMap**< **Pointer**< **ConsumerId** >, **Pointer**< **ConsumerInfo** >, **ConsumerId::COMPARATOR** > **getRecoveringPullConsumers** ()

- void **setConnectionInterruptProcessingComplete** (bool connectionInterruptProcessingComplete)

- bool **isConnectionInterruptProcessingComplete** ()

6.247.1 Constructor & Destructor Documentation

6.247.1.1 activemq::state::ConnectionState::ConnectionState (const Pointer< ConnectionInfo > & *info*)

6.247.1.2 virtual activemq::state::ConnectionState::~ConnectionState ( ) [virtual]

6.247.2 Member Function Documentation

6.247.2.1 void activemq::state::ConnectionState::addSession (const Pointer< SessionInfo > & *info*) [inline]

6.247.2.2 void activemq::state::ConnectionState::addTempDestination (const Pointer< DestinationInfo > & *info*) [inline]

6.247.2.3 void activemq::state::ConnectionState::addTransactionState (const Pointer< TransactionId > & *id*) [inline]

6.247.2.4 void activemq::state::ConnectionState::checkShutdown ( ) const

6.247.2.5 const Pointer<commands::ConnectionInfo>& activemq::state::ConnectionState::getInfo ( ) const [inline]

6.247.2.6 StlMap< Pointer<ConsumerId>, Pointer<ConsumerInfo>, ConsumerId::COMPARATOR > activemq::state::ConnectionState::getRecoveringPullConsumers ( ) [inline]

6.247.2.7 const Pointer<SessionState>& activemq::state::ConnectionState::getSessionState (const Pointer< SessionId > & *id*) const [inline]

6.247.2.8 std::vector< Pointer<SessionState> > activemq::state::ConnectionState::getSessionStates ( ) const [inline]

6.247.2.9 const StlList< Pointer<DestinationInfo> >& activemq::state::ConnectionState::getTempDesinations ( ) const [inline]

6.247.2.10 const Pointer<TransactionState>& activemq::state::ConnectionState::getTransactionState (const Pointer< TransactionId > & *id*) const [inline]

References decaf::lang::Pointer< T, REFCOUNTER >::get().

6.247.2.11 std::vector< Pointer<TransactionState> > activemq::state::ConnectionState::getTransactionStates ( ) const [inline]

6.247.2.12 bool activemq::state::ConnectionState::isConnectionInterruptProcessingComplete ( ) [inline]

6.247.2.13 Pointer<SessionState> activemq::state::ConnectionState::removeSession (const Pointer< SessionId > & *id*) [inline]

6.247.2.14 void activemq::state::ConnectionState::removeTempDestination (const Pointer< ActiveMQDestination > & *destination*) [inline]

References decaf::lang::Pointer< T, REFCOUNTER >::get().

6.247.2.15 Pointer<TransactionState> activemq::state::ConnectionState::removeTransactionState (const Pointer< TransactionId > & *id*) [inline]

6.247.2.16 void activemq::state::ConnectionState::reset (const Pointer< ConnectionInfo > & *info*)

6.247.2.17 void activemq::state::ConnectionState::setConnectionInterruptProcessingComplete (bool *connectionInterruptProcessingComplete*) [inline]

6.247.2.18 void activemq::state::ConnectionState::shutdown ( )

6.247.2.19 std::string activemq::state::ConnectionState::toString ( ) const

The documentation for this class was generated from the following file:

- src/main/activemq/state/**ConnectionState.h**

6.248 activemq::state::ConnectionStateTracker Class Reference

`#include <src/main/activemq/state/ConnectionStateTracker.h>`

Inheritance diagram for activemq::state::ConnectionStateTracker:

Public Member Functions

- **ConnectionStateTracker** ()
- virtual ~**ConnectionStateTracker** ()
- **Pointer**< **Tracked** > **track** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException)

- void **trackBack** (const **Pointer**< **Command** > &command)
- void **restore** (const **Pointer**< **transport::Transport** > &transport) throw (decaf::io::IOException)
- void **connectionInterruptProcessingComplete** (**transport::Transport** *transport, const **Pointer**< **ConnectionId** > &connectionId)
- void **transportInterrupted** ()
- virtual **Pointer**< **Command** > **processDestinationInfo** (**DestinationInfo** *info) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processRemoveDestination** (**DestinationInfo** *info) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processProducerInfo** (**ProducerInfo** *info) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processRemoveProducer** (**ProducerId** *id) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processConsumerInfo** (**ConsumerInfo** *info) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processRemoveConsumer** (**ConsumerId** *id) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processSessionInfo** (**SessionInfo** *info) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processRemoveSession** (**SessionId** *id) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processConnectionInfo** (**ConnectionInfo** *info) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processRemoveConnection** (**ConnectionId** *id) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processMessage** (**Message** *message) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processMessageAck** (**MessageAck** *ack) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processBeginTransaction** (**TransactionInfo** *info) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processPrepareTransaction** (**TransactionInfo** *info) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processCommitTransactionOnePhase** (**TransactionInfo** *info) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processCommitTransactionTwoPhase** (**TransactionInfo** *info) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processRollbackTransaction** (**TransactionInfo** *info) throw (exceptions::ActiveMQException)
- virtual **Pointer**< **Command** > **processEndTransaction** (**TransactionInfo** *info) throw (exceptions::ActiveMQException)
- bool **isRestoreConsumers** () const
- void **setRestoreConsumers** (bool restoreConsumers)
- bool **isRestoreProducers** () const
- void **setRestoreProducers** (bool restoreProducers)
- bool **isRestoreSessions** () const
- void **setRestoreSessions** (bool restoreSessions)

- bool **isTrackTransactions** () const
- void **setTrackTransactions** (bool trackTransactions)
- bool **isRestoreTransaction** () const
- void **setRestoreTransaction** (bool restoreTransaction)
- bool **isTrackMessages** () const
- void **setTrackMessages** (bool trackMessages)
- int **getMaxCacheSize** () const
- void **setMaxCacheSize** (int maxCacheSize)
- bool **isTrackTransactionProducers** () const
- void **setTrackTransactionProducers** (bool trackTransactionProducers)

Friends

- class **RemoveTransactionAction**

6.248.1 Constructor & Destructor Documentation

6.248.1.1 activemq::state::ConnectionStateTracker::ConnectionStateTracker ( )

6.248.1.2 virtual activemq::state::ConnectionStateTracker::~ConnectionStateTracker ( ) [virtual]

6.248.2 Member Function Documentation

6.248.2.1 void activemq::state::ConnectionStateTracker::connectionInterruptProcessingComplete (transport::Transport * *transport,* const Pointer< ConnectionId > & *connectionId*)

6.248.2.2 int activemq::state::ConnectionStateTracker::getMaxCacheSize ( ) const [inline]

6.248.2.3 bool activemq::state::ConnectionStateTracker::isRestoreConsumers ( ) const [inline]

6.248.2.4 bool activemq::state::ConnectionStateTracker::isRestoreProducers ( ) const [inline]

6.248.2.5 bool activemq::state::ConnectionStateTracker::isRestoreSessions ( ) const [inline]

6.248.2.6 bool activemq::state::ConnectionStateTracker::isRestoreTransaction ( ) const [inline]

6.248.2.7 bool activemq::state::ConnectionStateTracker::isTrackMessages ( ) const [inline]

6.248.2.8 bool activemq::state::ConnectionStateTracker::isTrackTransactionProducers ( ) const [inline]

6.248.2.9 bool activemq::state::ConnectionStateTracker::isTrackTransactions ( ) const [inline]

6.248.2.10 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processBeginTransaction (TransactionInfo * *info*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1235).

6.248.2.11 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processCommitTransactionOnePhase (TransactionInfo * *info*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1236).

6.248.2.12 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processCommitTransactionTwoPhase (TransactionInfo * *info*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1236).

6.248.2.13 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processConnectionInfo (ConnectionInfo * *info*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1236).

6.248.2.14 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processConsumerInfo (ConsumerInfo * *info*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1237).

6.248.2.15 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processDestinationInfo (DestinationInfo * *info*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1237).

6.248.2.16 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processEndTransaction (TransactionInfo * *info*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1237).

6.248.2.17 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processMessage (Message * *message*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1238).

6.248.2.18 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processMessageAck (MessageAck * *ack*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1238).

6.248.2.19 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processPrepareTransaction (TransactionInfo * *info*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1239).

6.248.2.20 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processProducerInfo (ProducerInfo * *info*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1239).

6.248.2.21 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processRemoveConnection (ConnectionId * *id*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1239).

6.248.2.22 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processRemoveConsumer (ConsumerId * *id*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1240).

6.248.2.23 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processRemoveDestination (DestinationInfo * *info*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1240).

6.248.2.24 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processRemoveProducer (ProducerId * *id*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1240).

6.248.2.25 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processRemoveSession (SessionId * *id*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1240).

6.248.2.26 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processRollbackTransaction (TransactionInfo * *info*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1241).

6.248.2.27 virtual Pointer<Command> activemq::state::ConnectionStateTracker::processSessionInfo (SessionInfo * *info*) throw (exceptions::ActiveMQException) [virtual]

Implements **activemq::state::CommandVisitor** (p. 1241).

6.248.2.28 void activemq::state::ConnectionStateTracker::restore (const Pointer< transport::Transport > & *transport*) throw (decaf::io::IOException)

6.248.2.29 void activemq::state::ConnectionStateTracker::setMaxCacheSize (int *maxCacheSize*) [inline]

6.248.2.30 void activemq::state::ConnectionStateTracker::setRestoreConsumers (bool *restoreConsumers*) [inline]

6.248.2.31 void activemq::state::ConnectionStateTracker::setRestoreProducers (bool *restoreProducers*) [inline]

6.248.2.32 void activemq::state::ConnectionStateTracker::setRestoreSessions (bool *restoreSessions*) [inline]

6.248.2.33 void activemq::state::ConnectionStateTracker::setRestoreTransaction (bool *restoreTransaction*) [inline]

6.248.2.34 void activemq::state::ConnectionStateTracker::setTrackMessages (bool *trackMessages*) [inline]

6.248.2.35 void activemq::state::ConnectionStateTracker::setTrackTransactionProducers (bool *trackTransactionProducers*) [inline]

6.248.2.36 void activemq::state::ConnectionStateTracker::setTrackTransactions (bool *trackTransactions*) [inline]

6.248.2.37 Pointer<Tracked> activemq::state::ConnectionStateTracker::track (const Pointer< Command > & *command*) throw (decaf::io::IOException)

6.248.2.38 void activemq::state::ConnectionStateTracker::trackBack (const Pointer< Command > & *command*)

6.248.2.39 void activemq::state::ConnectionStateTracker::transportInterrupted ( )

6.248.3 Friends And Related Function Documentation

6.248.3.1 friend class RemoveTransactionAction [friend]

The documentation for this class was generated from the following file:

- src/main/activemq/state/**ConnectionStateTracker.h**

6.249 decaf::util::logging::ConsoleHandler Class Reference

This **Handler** (p. 2042) publishes log records to System.err.

```
#include <src/main/decaf/util/logging/ConsoleHandler.h>
```

Inheritance diagram for decaf::util::logging::ConsoleHandler:

Public Member Functions

- **ConsoleHandler** ()
- virtual ∼**ConsoleHandler** ()
- virtual void **close** () throw (decaf::io::IOException)

  Close the current output stream.

- virtual void **publish** (const **LogRecord** &record)

  *Publish the Log Record to this **Handler** (p. 2042).*

6.249.1 Detailed Description

This **Handler** (p. 2042) publishes log records to System.err. By default the **SimpleFormatter** (p. 3604) is used to generate brief summaries.

Configuration: By default each **ConsoleHandler** (p. 1439) is initialized using the following **LogManager** (p. 2480) configuration properties. If properties are not defined (or have invalid values) then the specified default values are used.

ConsoleHandler.level specifies the default level for the **Handler** (p. 2042) (defaults to **Level.INFO** (p. 2408)). ConsoleHandler.filter specifies the name of a **Filter** (p. 1949) class to use (defaults to no **Filter** (p. 1949)). ConsoleHandler.formatter specifies the name of a **Formatter** (p. 2027) class to use (defaults to **SimpleFormatter** (p. 3604)).

Since

1.0

6.249.2 Constructor & Destructor Documentation

6.249.2.1 decaf::util::logging::ConsoleHandler::ConsoleHandler ( )

6.249.2.2 virtual decaf::util::logging::ConsoleHandler::∼ConsoleHandler ( ) [inline, virtual]

6.249.3 Member Function Documentation

6.249.3.1 virtual void decaf::util::logging::ConsoleHandler::close ( ) throw (**decaf::io::IOException**) [virtual]

Close the current output stream.

Override the **StreamHandler** (p. 3756) close to flush the Std Err stream but doesn't close.

Exceptions

IOException	

Reimplemented from **decaf::util::logging::StreamHandler** (p. 3758).

6.249.3.2 virtual void decaf::util::logging::ConsoleHandler::publish (const LogRecord & *record*) [virtual]

Publish the Log Record to this **Handler** (p. 2042).

Parameters

record	The **LogRecord** (p. 2487) to Publish

Reimplemented from **decaf::util::logging::StreamHandler** (p. 3759).

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**ConsoleHandler.h**

6.250 activemq::commands::ConsumerControl Class Reference

`#include <src/main/activemq/commands/ConsumerControl.h>`

Inheritance diagram for activemq::commands::ConsumerControl:

Public Member Functions

- **ConsumerControl** ()
- virtual ~**ConsumerControl** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ConsumerControl** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **ActiveMQDestination** > & **getDestination** () const
- virtual **Pointer**< **ActiveMQDestination** > & **getDestination** ()
- virtual void **setDestination** (const **Pointer**< **ActiveMQDestination** > &**destination**)
- virtual bool **isClose** () const
- virtual void **setClose** (bool **close**)
- virtual const **Pointer**< **ConsumerId** > & **getConsumerId** () const
- virtual **Pointer**< **ConsumerId** > & **getConsumerId** ()
- virtual void **setConsumerId** (const **Pointer**< **ConsumerId** > &**consumerId**)
- virtual int **getPrefetch** () const
- virtual void **setPrefetch** (int **prefetch**)
- virtual bool **isFlush** () const
- virtual void **setFlush** (bool **flush**)
- virtual bool **isStart** () const
- virtual void **setStart** (bool **start**)
- virtual bool **isStop** () const
- virtual void **setStop** (bool **stop**)
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** ∗visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_CONSUMERCONTROL** = 17

Protected Attributes

- **Pointer**< **ActiveMQDestination** > **destination**
- bool **close**
- **Pointer**< **ConsumerId** > **consumerId**
- int **prefetch**
- bool **flush**
- bool **start**
- bool **stop**

6.250.1 Constructor & Destructor Documentation

6.250.1.1 activemq::commands::ConsumerControl::ConsumerControl ( )

6.250.1.2 virtual activemq::commands::ConsumerControl::~ConsumerControl ( ) [virtual]

6.250.2 Member Function Documentation

6.250.2.1 virtual ConsumerControl* activemq::commands::ConsumerControl::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.250.2.2 virtual void activemq::commands::ConsumerControl::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.250.2.3 virtual bool activemq::commands::ConsumerControl::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.250.2.4 virtual const Pointer<ConsumerId>& activemq::commands::ConsumerControl::getConsumerId ( ) const [virtual]

6.250.2.5 virtual Pointer<ConsumerId>& activemq::commands::ConsumerControl::getConsumerId ( ) [virtual]

6.250.2.6 virtual unsigned char activemq::commands::ConsumerControl::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.250.2.7 virtual const Pointer<ActiveMQDestination>& activemq::commands::ConsumerControl::getDestination ( ) const [virtual]

6.250.2.8 virtual Pointer<ActiveMQDestination>& activemq::commands::ConsumerControl::getDestination ( ) [virtual]

6.250.2.9 virtual int activemq::commands::ConsumerControl::getPrefetch ( ) const [virtual]

6.250.2.10 virtual bool activemq::commands::ConsumerControl::isClose ( ) const [virtual]

6.250.2.11 virtual bool activemq::commands::ConsumerControl::isFlush ( ) const [virtual]

6.250.2.12 virtual bool activemq::commands::ConsumerControl::isStart ( ) const [virtual]

6.250.2.13 virtual bool activemq::commands::ConsumerControl::isStop ( ) const [virtual]

6.250.2.14 virtual void activemq::commands::ConsumerControl::setClose (bool *close*) [virtual]

6.250.2.15 virtual void activemq::commands::ConsumerControl::setConsumerId (const Pointer< ConsumerId > & *consumerId*) [virtual]

6.250.2.16 virtual void activemq::commands::ConsumerControl::setDestination (const Pointer< ActiveMQDestination > & *destination*) [virtual]

6.250.2.17 virtual void activemq::commands::ConsumerControl::setFlush (bool *flush*) [virtual]

6.250.2.18 virtual void activemq::commands::ConsumerControl::setPrefetch (int *prefetch*) [virtual]

6.250.2.19 virtual void activemq::commands::ConsumerControl::setStart (bool *start*) [virtual]

6.250.2.20 virtual void activemq::commands::ConsumerControl::setStop (bool *stop*) [virtual]

6.250.2.21 virtual std::string activemq::commands::ConsumerControl::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.250.2.22 virtual Pointer<Command> activemq::commands::ConsumerControl::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.250.3 Field Documentation

6.250.3.1 bool activemq::commands::ConsumerControl::close [protected]

6.250.3.2 Pointer<ConsumerId> activemq::commands::ConsumerControl::consumerId [protected]

6.250.3.3 Pointer<ActiveMQDestination> activemq::commands::ConsumerControl::destination [protected]

6.250.3.4 bool activemq::commands::ConsumerControl::flush [protected]

6.250.3.5 const unsigned char activemq::commands::ConsumerControl::ID_CONSUMERCONTROL = 17 [static]

6.250.3.6 int activemq::commands::ConsumerControl::prefetch [protected]

6.250.3.7 bool activemq::commands::ConsumerControl::start [protected]

6.250.3.8 bool activemq::commands::ConsumerControl::stop [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ConsumerControl.h**

6.251 activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1447).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ConsumerControlMarshalle`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller:

Public Member Functions

- **ConsumerControlMarshaller** ()
- virtual ∼**ConsumerControlMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.251.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1447).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.251.2 Constructor & Destructor Documentation

6.251.2.1 activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller::ConsumerControlMarshaller ( ) [inline]

6.251.2.2 virtual activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller::~ConsumerControlMarshaller ( ) [inline, virtual]

6.251.3 Member Function Documentation

6.251.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.251.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller::getDataStructureT ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.251.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.251.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.251.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.251.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.251.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ConsumerControlMarshaller.h**

6.252 activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1451).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ConsumerControlMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller:

Public Member Functions

- **ConsumerControlMarshaller** ()
- virtual ∼**ConsumerControlMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.252.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1451).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.252.2 Constructor & Destructor Documentation

6.252.2.1 activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller::ConsumerControlMarshaller ( ) [inline]

6.252.2.2 virtual activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller::∼ConsumerControlMarshaller ( ) [inline, virtual]

6.252.3 Member Function Documentation

6.252.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.252.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller::getDataStructureT ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.252.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.252.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.252.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.252.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.252.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ConsumerControlMarshaller.h**

6.253 activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1455).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ConsumerControlMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller:

Public Member Functions

- **ConsumerControlMarshaller** ()
- virtual ~**ConsumerControlMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.253.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1455).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.253.2 Constructor & Destructor Documentation

6.253.2.1 activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller::ConsumerControlMarshaller ( ) [inline]

6.253.2.2 virtual activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller::∼ConsumerControlMarshaller ( ) [inline, virtual]

6.253.3 Member Function Documentation

6.253.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.253.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.253.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.253.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.253.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.253.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.253.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ConsumerControlMarshaller.h**

6.254 activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1459).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ConsumerControlMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller:

Public Member Functions

- **ConsumerControlMarshaller** ()
- virtual ~**ConsumerControlMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.254.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1459).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.254.2 Constructor & Destructor Documentation

6.254.2.1 activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller::ConsumerControlMarshaller ( ) [inline]

6.254.2.2 virtual activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller::~ConsumerControlMarshaller ( ) [inline, virtual]

6.254.3 Member Function Documentation

6.254.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.254.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.254.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.254.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.254.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.254.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.254.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ConsumerControlMarshaller.h**

6.255 activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1464).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/ConsumerControl`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller:

Public Member Functions

- **ConsumerControlMarshaller** ()
- virtual ∼**ConsumerControlMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.255.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1464).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.255.2 Constructor & Destructor Documentation

6.255.2.1 activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller::ConsumerControlMarshaller ( ) [inline]

6.255.2.2 virtual activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller::~ConsumerControlMarshaller ( ) [inline, virtual]

6.255.3 Member Function Documentation

6.255.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.255.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.255.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.255.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.255.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.255.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.255.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ConsumerControlMarshaller.h**

6.256 activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1468).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ConsumerControl
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller:

Public Member Functions

- **ConsumerControlMarshaller** ()
- virtual ∼**ConsumerControlMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.256.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1468).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.256.2 Constructor & Destructor Documentation

6.256.2.1 activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller::ConsumerControlMarshaller ( ) [inline]

6.256.2.2 virtual activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller::∼ConsumerControlMarshaller ( ) [inline, virtual]

6.256.3 Member Function Documentation

6.256.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.256.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.256.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.256.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.256.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.256.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.256.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ConsumerControlMarshaller.h**

6.257 activemq::commands::ConsumerId Class Reference

`#include <src/main/activemq/commands/ConsumerId.h>`

Inheritance diagram for activemq::commands::ConsumerId:

Public Types

- typedef **decaf::lang::PointerComparator**< **ConsumerId** > **COMPARATOR**

Public Member Functions

- **ConsumerId** ()
- **ConsumerId** (const **ConsumerId** &other)
- **ConsumerId** (const **SessionId** &**sessionId**, long long consumerIdd)
- virtual ~**ConsumerId** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ConsumerId** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗**value**) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- const **Pointer**< **SessionId** > & **getParentId** () const
- virtual const std::string & **getConnectionId** () const
- virtual std::string & **getConnectionId** ()
- virtual void **setConnectionId** (const std::string &**connectionId**)
- virtual long long **getSessionId** () const
- virtual void **setSessionId** (long long **sessionId**)
- virtual long long **getValue** () const
- virtual void **setValue** (long long **value**)
- virtual int **compareTo** (const **ConsumerId** &**value**) const
- virtual bool **equals** (const **ConsumerId** &**value**) const
- virtual bool **operator==** (const **ConsumerId** &**value**) const
- virtual bool **operator**< (const **ConsumerId** &**value**) const
- **ConsumerId** & **operator=** (const **ConsumerId** &other)

Static Public Attributes

- static const unsigned char **ID_CONSUMERID** = 122

Protected Attributes

- std::string **connectionId**
- long long **sessionId**
- long long **value**

6.257.1 Member Typedef Documentation

6.257.1.1 typedef decaf::lang::PointerComparator<ConsumerId> activemq::commands::ConsumerId::COMPARATOR

6.257.2 Constructor & Destructor Documentation

6.257.2.1 activemq::commands::ConsumerId::ConsumerId ( )

6.257.2.2 activemq::commands::ConsumerId::ConsumerId (const ConsumerId & *other*)

6.257.2.3 activemq::commands::ConsumerId::ConsumerId (const SessionId & *sessionId,* long long *consumerIdd*)

6.257.2.4 virtual activemq::commands::ConsumerId::~ConsumerId ( ) [virtual]

6.257.3 Member Function Documentation

6.257.3.1 virtual ConsumerId* activemq::commands::ConsumerId::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.257.3.2 virtual int activemq::commands::ConsumerId::compareTo (const ConsumerId & *value*) const [virtual]

6.257.3.3 virtual void activemq::commands::ConsumerId::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

6.257.3.4 virtual bool activemq::commands::ConsumerId::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

6.257.3.5 virtual bool activemq::commands::ConsumerId::equals (const ConsumerId & *value*) const [virtual]

6.257.3.6 virtual std::string& activemq::commands::ConsumerId::getConnectionId ( ) [virtual]

6.257.3.7 virtual const std::string& activemq::commands::ConsumerId::getConnectionId ( ) const [virtual]

6.257.3.8 virtual unsigned char activemq::commands::ConsumerId::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.257.3.9 const Pointer<SessionId>& activemq::commands::ConsumerId::getParentId ( ) const

6.257.3.10 virtual long long activemq::commands::ConsumerId::getSessionId ( ) const [virtual]

6.257.3.11 virtual long long activemq::commands::ConsumerId::getValue ( ) const [virtual]

6.257.3.12 virtual bool activemq::commands::ConsumerId::operator< (const ConsumerId & *value*) const [virtual]

6.257.3.13 ConsumerId& activemq::commands::ConsumerId::operator= (const ConsumerId & *other*)

6.257.3.14 virtual bool activemq::commands::ConsumerId::operator== (const ConsumerId & *value*) const [virtual]

6.257.3.15 virtual void activemq::commands::ConsumerId::setConnectionId (const std::string & *connectionId*) [virtual]

6.257.3.16 virtual void activemq::commands::ConsumerId::setSessionId (long long *sessionId*) [virtual]

6.257.3.17 virtual void activemq::commands::ConsumerId::setValue (long long *value*) [virtual]

6.257.3.18 virtual std::string activemq::commands::ConsumerId::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

6.257.4 Field Documentation

6.257.4.1 std::string activemq::commands::ConsumerId::connectionId [protected]

6.257.4.2 const unsigned char activemq::commands::ConsumerId::ID_-CONSUMERID = 122 [static]

Referenced by activemq::state::CommandVisitorAdapter::processRemoveInfo().

6.257.4.3 long long activemq::commands::ConsumerId::sessionId [protected]

6.257.4.4 long long activemq::commands::ConsumerId::value [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ConsumerId.h**

6.258 activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1477).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/ConsumerIdMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller:

Public Member Functions

- **ConsumerIdMarshaller** ()
- virtual ∼**ConsumerIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.258.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1477). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.258.2 Constructor & Destructor Documentation

6.258.2.1 activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller::ConsumerIdMarshaller ( ) [inline]

6.258.2.2 virtual activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller::∼ConsumerIdMarshaller ( ) [inline, virtual]

6.258.3 Member Function Documentation

6.258.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.258.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.258.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.258.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.258.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.258.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.258.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.

dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ConsumerIdMarshaller.h**

6.259 activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1481).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/ConsumerIdMarshaller.h>`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller:

Public Member Functions

- **ConsumerIdMarshaller** ()
- virtual ~**ConsumerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.259.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1481). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.259.2 Constructor & Destructor Documentation

6.259.2.1 activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller::ConsumerIdMarshaller ( ) [inline]

6.259.2.2 virtual activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller::∼ConsumerIdMarshaller ( ) [inline, virtual]

6.259.3 Member Function Documentation

6.259.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.259.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.259.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.259.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.259.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.259.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.259.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ConsumerIdMarshaller.h**

6.260 activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1485).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/ConsumerIdMarshaller.h>`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller:

Public Member Functions

- **ConsumerIdMarshaller** ()
- virtual ~**ConsumerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.260.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1485). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.260.2 Constructor & Destructor Documentation

6.260.2.1 activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller::ConsumerIdMarshaller ( ) [inline]

6.260.2.2 virtual activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller::∼ConsumerIdMarshaller ( ) [inline, virtual]

6.260.3 Member Function Documentation

6.260.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.260.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.260.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.260.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.260.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.260.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.260.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ConsumerIdMarshaller.h**

6.261 activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1489).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ConsumerIdMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller:

Public Member Functions

- **ConsumerIdMarshaller** ()
- virtual ~**ConsumerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.261.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1489). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.261.2 Constructor & Destructor Documentation

6.261.2.1 activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller::ConsumerIdMarshaller ( ) [inline]

6.261.2.2 virtual activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller::∼ConsumerIdMarshaller ( ) [inline, virtual]

6.261.3 Member Function Documentation

6.261.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.261.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.261.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.261.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.261.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.261.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.261.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ConsumerIdMarshaller.h**

6.262 activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1493).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ConsumerIdMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller:

Public Member Functions

- **ConsumerIdMarshaller** ()
- virtual ~**ConsumerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.262.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1493). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.262.2 Constructor & Destructor Documentation

6.262.2.1 activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller::ConsumerIdMarshaller ( ) [inline]

6.262.2.2 virtual activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller::∼ConsumerIdMarshaller ( ) [inline, virtual]

6.262.3 Member Function Documentation

6.262.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.262.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.262.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.262.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.262.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.262.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.262.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ConsumerIdMarshaller.h**

6.263 activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1497).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ConsumerIdMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller:

Public Member Functions

- **ConsumerIdMarshaller** ()
- virtual ~**ConsumerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.263.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1497). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.263.2 Constructor & Destructor Documentation

6.263.2.1 activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller::ConsumerIdMarshaller ( ) [inline]

6.263.2.2 virtual activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller::∼ConsumerIdMarshaller ( ) [inline, virtual]

6.263.3 Member Function Documentation

6.263.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.263.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.263.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.263.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.263.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.263.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.263.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ConsumerIdMarshaller.h**

6.264 activemq::commands::ConsumerInfo Class Reference

`#include <src/main/activemq/commands/ConsumerInfo.h>`

Inheritance diagram for activemq::commands::ConsumerInfo:

Public Member Functions

- **ConsumerInfo** ()
- virtual ~**ConsumerInfo** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ConsumerInfo** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- **Pointer**< **RemoveInfo** > **createRemoveCommand** () const
- virtual const **Pointer**< **ConsumerId** > & **getConsumerId** () const
- virtual **Pointer**< **ConsumerId** > & **getConsumerId** ()
- virtual void **setConsumerId** (const **Pointer**< **ConsumerId** > &**consumerId**)
- virtual bool **isBrowser** () const
- virtual void **setBrowser** (bool **browser**)
- virtual const **Pointer**< **ActiveMQDestination** > & **getDestination** () const
- virtual **Pointer**< **ActiveMQDestination** > & **getDestination** ()
- virtual void **setDestination** (const **Pointer**< **ActiveMQDestination** > &**destination**)
- virtual int **getPrefetchSize** () const
- virtual void **setPrefetchSize** (int **prefetchSize**)
- virtual int **getMaximumPendingMessageLimit** () const
- virtual void **setMaximumPendingMessageLimit** (int **maximumPendingMessageLimit**)
- virtual bool **isDispatchAsync** () const
- virtual void **setDispatchAsync** (bool **dispatchAsync**)
- virtual const std::string & **getSelector** () const
- virtual std::string & **getSelector** ()
- virtual void **setSelector** (const std::string &**selector**)
- virtual const std::string & **getSubscriptionName** () const
- virtual std::string & **getSubscriptionName** ()
- virtual void **setSubscriptionName** (const std::string &**subscriptionName**)
- virtual bool **isNoLocal** () const
- virtual void **setNoLocal** (bool **noLocal**)
- virtual bool **isExclusive** () const
- virtual void **setExclusive** (bool **exclusive**)
- virtual bool **isRetroactive** () const
- virtual void **setRetroactive** (bool **retroactive**)
- virtual unsigned char **getPriority** () const
- virtual void **setPriority** (unsigned char **priority**)
- virtual const std::vector< **decaf::lang::Pointer**< **BrokerId** > > & **getBrokerPath** () const
- virtual std::vector< **decaf::lang::Pointer**< **BrokerId** > > & **getBrokerPath** ()
- virtual void **setBrokerPath** (const std::vector< **decaf::lang::Pointer**< **BrokerId** > > &**brokerPath**)

- virtual const **Pointer**< **BooleanExpression** > & **getAdditionalPredicate** () const
- virtual **Pointer**< **BooleanExpression** > & **getAdditionalPredicate** ()
- virtual void **setAdditionalPredicate** (const **Pointer**< **BooleanExpression** > &**additionalPredicate**)
- virtual bool **isNetworkSubscription** () const
- virtual void **setNetworkSubscription** (bool **networkSubscription**)
- virtual bool **isOptimizedAcknowledge** () const
- virtual void **setOptimizedAcknowledge** (bool **optimizedAcknowledge**)
- virtual bool **isNoRangeAcks** () const
- virtual void **setNoRangeAcks** (bool **noRangeAcks**)
- virtual const std::vector< **decaf::lang::Pointer**< **ConsumerId** > > & **getNetworkConsumerPath** () const
- virtual std::vector< **decaf::lang::Pointer**< **ConsumerId** > > & **getNetworkConsumerPath** ()
- virtual void **setNetworkConsumerPath** (const std::vector< **decaf::lang::Pointer**< **ConsumerId** > > &**networkConsumerPath**)
- virtual bool **isConsumerInfo** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_CONSUMERINFO** = 5

Protected Attributes

- **Pointer**< **ConsumerId** > **consumerId**
- bool **browser**
- **Pointer**< **ActiveMQDestination** > **destination**
- int **prefetchSize**
- int **maximumPendingMessageLimit**
- bool **dispatchAsync**
- std::string **selector**
- std::string **subscriptionName**
- bool **noLocal**
- bool **exclusive**
- bool **retroactive**
- unsigned char **priority**
- std::vector< **decaf::lang::Pointer**< **BrokerId** > > **brokerPath**
- **Pointer**< **BooleanExpression** > **additionalPredicate**
- bool **networkSubscription**
- bool **optimizedAcknowledge**
- bool **noRangeAcks**
- std::vector< **decaf::lang::Pointer**< **ConsumerId** > > **networkConsumerPath**

6.264.1 Constructor & Destructor Documentation

6.264.1.1 activemq::commands::ConsumerInfo::ConsumerInfo ( )

6.264.1.2 virtual activemq::commands::ConsumerInfo::~ConsumerInfo ( ) [virtual]

6.264.2 Member Function Documentation

6.264.2.1 virtual ConsumerInfo* activemq::commands::ConsumerInfo::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.264.2.2 virtual void activemq::commands::ConsumerInfo::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.264.2.3 Pointer<RemoveInfo> activemq::commands::ConsumerInfo::createRemoveCommand ( ) const

6.264.2.4 virtual bool activemq::commands::ConsumerInfo::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.264.2.5 virtual const Pointer<BooleanExpression>& activemq::commands::ConsumerInfo::getAdditionalPredicate ( ) const [virtual]

6.264.2.6 virtual Pointer<BooleanExpression>& activemq::commands::ConsumerInfo::getAdditionalPredicate ( ) [virtual]

6.264.2.7 virtual const std::vector< decaf::lang::Pointer<BrokerId> >& activemq::commands::ConsumerInfo::getBrokerPath ( ) const [virtual]

6.264.2.8 virtual std::vector< decaf::lang::Pointer<BrokerId> >& activemq::commands::ConsumerInfo::getBrokerPath ( ) [virtual]

6.264.2.9 virtual Pointer<ConsumerId>& activemq::commands::ConsumerInfo::getConsumerId ( ) [virtual]

6.264.2.10 virtual const Pointer<ConsumerId>& activemq::commands::ConsumerInfo::getConsumerId ( ) const [virtual]

6.264.2.11 virtual unsigned char activemq::commands::ConsumerInfo::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.264.2.12 virtual const Pointer<ActiveMQDestination>& activemq::commands::ConsumerInfo::getDestination ( ) const [virtual]

6.264.2.13 virtual Pointer<ActiveMQDestination>& activemq::commands::ConsumerInfo::getDestination ( ) [virtual]

6.264.2.14 virtual int activemq::commands::ConsumerInfo::getMaximumPendingMessageLimit ( ) const [virtual]

6.264.2.15 virtual const std::vector< decaf::lang::Pointer<ConsumerId> >& activemq::commands::ConsumerInfo::getNetworkConsumerPath ( ) const [virtual]

6.264.2.16 virtual std::vector< decaf::lang::Pointer<ConsumerId> >& activemq::commands::ConsumerInfo::getNetworkConsumerPath ( ) [virtual]

6.264.2.17 virtual int activemq::commands::ConsumerInfo::getPrefetchSize ( ) const [virtual]

6.264.2.18 virtual unsigned char activemq::commands::ConsumerInfo::getPriority ( ) const [virtual]

6.264.2.19 virtual const std::string& activemq::commands::ConsumerInfo::getSelector ( ) const [virtual]

6.264.2.20 virtual std::string& activemq::commands::ConsumerInfo::getSelector ( ) [virtual]

6.264.2.21 virtual const std::string& activemq::commands::ConsumerInfo::getSubscriptionName ( ) const [virtual]

6.264.2.22 virtual std::string& activemq::commands::ConsumerInfo::getSubscriptionName ( ) [virtual]

6.264.2.23 virtual bool activemq::commands::ConsumerInfo::isBrowser ( ) const [virtual]

6.264.2.24 virtual bool activemq::commands::ConsumerInfo::isConsumerInfo ( ) const [inline, virtual]

Returns

an answer of true to the **isConsumerInfo()** (p. 1506) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 768).

6.264.2.25 virtual bool activemq::commands::ConsumerInfo::isDispatchAsync ( ) const [virtual]

6.264.2.26 virtual bool activemq::commands::ConsumerInfo::isExclusive ( ) const [virtual]

6.264.2.27 virtual bool activemq::commands::ConsumerInfo::isNetworkSubscription ( ) const [virtual]

6.264.2.28 virtual bool activemq::commands::ConsumerInfo::isNoLocal ( ) const [virtual]

6.264.2.29 virtual bool activemq::commands::ConsumerInfo::isNoRangeAcks ( ) const [virtual]

6.264.2.30 virtual bool activemq::commands::ConsumerInfo::isOptimizedAcknowledge ( ) const [virtual]

6.264.2.31 virtual bool activemq::commands::ConsumerInfo::isRetroactive ( ) const [virtual]

6.264.2.32 virtual void activemq::commands::ConsumerInfo::setAdditionalPredicate (const Pointer< BooleanExpression > & *additionalPredicate*) [virtual]

6.264.2.33 virtual void activemq::commands::ConsumerInfo::setBrokerPath (const std::vector< decaf::lang::Pointer< BrokerId > > & *brokerPath*) [virtual]

6.264.2.34 virtual void activemq::commands::ConsumerInfo::setBrowser (bool *browser*) [virtual]

6.264.2.35 virtual void activemq::commands::ConsumerInfo::setConsumerId (const Pointer< ConsumerId > & *consumerId*) [virtual]

6.264.2.36 virtual void activemq::commands::ConsumerInfo::setDestination (const Pointer< ActiveMQDestination > & *destination*) [virtual]

6.264.2.37 virtual void activemq::commands::ConsumerInfo::setDispatchAsync (bool *dispatchAsync*) [virtual]

6.264.2.38 virtual void activemq::commands::ConsumerInfo::setExclusive (bool *exclusive*) [virtual]

6.264.2.39 virtual void activemq::commands::ConsumerInfo::setMaximumPendingMessageLimit (int *maximumPendingMessageLimit*) [virtual]

6.264.2.40 virtual void activemq::commands::ConsumerInfo::setNetworkConsumerPath (const std::vector< decaf::lang::Pointer< ConsumerId > > & *networkConsumerPath*) [virtual]

6.264.2.41 virtual void activemq::commands::ConsumerInfo::setNetworkSubscription (bool *networkSubscription*) [virtual]

6.264.2.42 virtual void activemq::commands::ConsumerInfo::setNoLocal (bool *noLocal*) [virtual]

6.264.2.43 virtual void activemq::commands::ConsumerInfo::setNoRangeAcks (bool *noRangeAcks*) [virtual]

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.264.2.51 virtual Pointer<Command> activemq::commands::ConsumerInfo::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.264.3 Field Documentation

6.264.3.1 Pointer<BooleanExpression> activemq::commands::ConsumerInfo::additionalPredicate [protected]

6.264.3.2 std::vector< decaf::lang::Pointer<BrokerId> > activemq::commands::ConsumerInfo::brokerPath [protected]

6.264.3.3 bool activemq::commands::ConsumerInfo::browser [protected]

6.264.3.4 Pointer<ConsumerId> activemq::commands::ConsumerInfo::consumerId [protected]

6.264.3.5 Pointer<ActiveMQDestination> activemq::commands::ConsumerInfo::destination [protected]

6.264.3.6 bool activemq::commands::ConsumerInfo::dispatchAsync [protected]

6.264.3.7 bool activemq::commands::ConsumerInfo::exclusive [protected]

6.264.3.8 const unsigned char activemq::commands::ConsumerInfo::ID_CONSUMERINFO = 5 [static]

6.264.3.9 int activemq::commands::ConsumerInfo::maximumPendingMessageLimit [protected]

6.264.3.10 std::vector< decaf::lang::Pointer<ConsumerId> > activemq::commands::ConsumerInfo::networkConsumerPath [protected]

6.264.3.11 bool activemq::commands::ConsumerInfo::networkSubscription [protected]

6.264.3.12 bool activemq::commands::ConsumerInfo::noLocal [protected]

6.264.3.13 bool activemq::commands::ConsumerInfo::noRangeAcks [protected]

6.264.3.14 bool activemq::commands::ConsumerInfo::optimizedAcknowledge [protected]

6.264.3.15 int activemq::commands::ConsumerInfo::prefetchSize [protected]

6.264.3.16 unsigned char activemq::commands::ConsumerInfo::priority [protected]

6.264.3.17 bool activemq::commands::ConsumerInfo::retroactive [protected]

6.264.3.18 std::string activemq::commands::ConsumerInfo::selector [protected]

6.264.3.19 std::string activemq::commands::ConsumerInfo::subscriptionName [protected]

- src/main/activemq/commands/**ConsumerInfo.h**

6.265 activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1510).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ConsumerInfoMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller:

Public Member Functions

- **ConsumerInfoMarshaller** ()
- virtual ∼**ConsumerInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.265.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1510). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.265.2 Constructor & Destructor Documentation

6.265.2.1 activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller::ConsumerInfoMarshaller ( ) [inline]

6.265.2.2 virtual activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller::~ConsumerInfoMarshaller ( ) [inline, virtual]

6.265.3 Member Function Documentation

6.265.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.265.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.265.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.265.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.265.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.265.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.265.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ConsumerInfoMarshaller.h**

6.266 activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1514).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ConsumerInfoMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller:

Public Member Functions

- **ConsumerInfoMarshaller** ()
- virtual ∼**ConsumerInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.266.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1514). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.266.2 Constructor & Destructor Documentation

6.266.2.1 activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller::ConsumerInfoMarshaller ( ) [inline]

6.266.2.2 virtual activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller::∼ConsumerInfoMarshaller ( ) [inline, virtual]

6.266.3 Member Function Documentation

6.266.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.266.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.266.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.266.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.266.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.266.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.266.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ConsumerInfoMarshaller.h**

6.267 activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1518).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ConsumerInfoMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller:

Public Member Functions

- **ConsumerInfoMarshaller** ()
- virtual ~**ConsumerInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.267.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1518). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.267.2 Constructor & Destructor Documentation

6.267.2.1 activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller::ConsumerInfoMarshaller ( ) [inline]

6.267.2.2 virtual activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller::∼ConsumerInfoMarshaller ( ) [inline, virtual]

6.267.3 Member Function Documentation

6.267.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.267.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.267.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.267.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.267.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.267.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.267.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ConsumerInfoMarshaller.h**

6.268 activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1522).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ConsumerInfoMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller:

Public Member Functions

- **ConsumerInfoMarshaller** ()
- virtual ~**ConsumerInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.268.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1522). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.268.2 Constructor & Destructor Documentation

6.268.2.1 activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller::ConsumerInfoMarshaller ( ) [inline]

6.268.2.2 virtual activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller::~ConsumerInfoMarshaller ( ) [inline, virtual]

6.268.3 Member Function Documentation

6.268.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.268.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.268.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.268.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.268.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.268.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.268.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ConsumerInfoMarshaller.h**

6.269 activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1527).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ConsumerInfoMarshaller.h
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller:

Public Member Functions

- **ConsumerInfoMarshaller** ()
- virtual ∼**ConsumerInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.269.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1527). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.269.2 Constructor & Destructor Documentation

6.269.2.1 activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller::ConsumerInfoMarshaller ( ) [inline]

6.269.2.2 virtual activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller::~ConsumerInfoMarshaller ( ) [inline, virtual]

6.269.3 Member Function Documentation

6.269.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.269.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.269.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.269.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.269.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.269.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.269.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ConsumerInfoMarshaller.h**

6.270 activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1531).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ConsumerInfoMarshaller.h
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller:

Public Member Functions

- **ConsumerInfoMarshaller** ()
- virtual ∼**ConsumerInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.270.1 Detailed Description

Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1531). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.270.2 Constructor & Destructor Documentation

6.270.2.1 activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller::ConsumerInfoMarshaller ( ) [inline]

6.270.2.2 virtual activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller::∼ConsumerInfoMarshaller ( ) [inline, virtual]

6.270.3 Member Function Documentation

6.270.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.270.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.270.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.270.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.270.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.270.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.270.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ConsumerInfoMarshaller.h**

6.271 activemq::state::ConsumerState Class Reference

```
#include <src/main/activemq/state/ConsumerState.h>
```

Public Member Functions

- **ConsumerState** (const **Pointer**< **ConsumerInfo** > &info)
- virtual ~**ConsumerState** ()
- std::string **toString** () const
- const **Pointer**< **ConsumerInfo** > & **getInfo** () const

6.271.1 Constructor & Destructor Documentation

6.271.1.1 activemq::state::ConsumerState::ConsumerState (const Pointer< ConsumerInfo > & *info*)

6.271.1.2 virtual activemq::state::ConsumerState::~ConsumerState ( ) [virtual]

6.271.2 Member Function Documentation

6.271.2.1 const Pointer<ConsumerInfo>& activemq::state::ConsumerState::getInfo ( ) const [inline]

6.271.2.2 std::string activemq::state::ConsumerState::toString ( ) const

The documentation for this class was generated from the following file:

- src/main/activemq/state/**ConsumerState.h**

6.272 activemq::commands::ControlCommand Class Reference

`#include <src/main/activemq/commands/ControlCommand.h>`

Inheritance diagram for activemq::commands::ControlCommand:

Public Member Functions

- **ControlCommand** ()
- virtual ~**ControlCommand** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ControlCommand** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

*Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const std::string & **getCommand** () const
- virtual std::string & **getCommand** ()
- virtual void **setCommand** (const std::string &**command**)
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_CONTROLCOMMAND** = 14

Protected Attributes

- std::string **command**

6.272.1 Constructor & Destructor Documentation

6.272.1.1 activemq::commands::ControlCommand::ControlCommand ( )

6.272.1.2 virtual activemq::commands::ControlCommand::~ControlCommand ( ) [virtual]

6.272.2 Member Function Documentation

6.272.2.1 virtual ControlCommand* activemq::commands::ControlCommand::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.272.2.2 virtual void activemq::commands::ControlCommand::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.272.2.3 virtual bool activemq::commands::ControlCommand::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.272.2.4 virtual std::string& activemq::commands::ControlCommand::getCommand ( ) [virtual]

6.272.2.5 virtual const std::string& activemq::commands::ControlCommand::getCommand ( ) const [virtual]

6.272.2.6 virtual unsigned char activemq::commands::ControlCommand::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.272.2.7 virtual void activemq::commands::ControlCommand::setCommand (const std::string & *command*) [virtual]

6.272.2.8 virtual std::string activemq::commands::ControlCommand::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.272.2.9 virtual Pointer<Command> activemq::commands::ControlCommand::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.272.3 Field Documentation

6.272.3.1 std::string activemq::commands::ControlCommand::command [protected]

6.272.3.2 const unsigned char activemq::commands::ControlCommand::ID_-CONTROLCOMMAND = 14 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ControlCommand.h**

6.273 activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1539).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/ControlCommandMarshaller
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller:

Public Member Functions

- **ControlCommandMarshaller** ()
- virtual ~**ControlCommandMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.273.1 Detailed Description

Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1539).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.273.2 Constructor & Destructor Documentation

6.273.2.1 activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller::ControlCommandMarshaller ( ) [inline]

6.273.2.2 virtual activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller::~ControlCommandMarshaller ( ) [inline, virtual]

6.273.3 Member Function Documentation

6.273.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.273.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.273.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.273.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.273.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.273.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.273.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ControlCommandMarshaller.h**

6.274 activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1544).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/ControlCommandM`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller:

Public Member Functions

- **ControlCommandMarshaller** ()
- virtual ∼**ControlCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.274.1 Detailed Description

Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1544).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.274.2 Constructor & Destructor Documentation

6.274.2.1 activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller::ControlCommandMarshaller ( ) [inline]

6.274.2.2 virtual activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller::~ControlCommandMarshaller ( ) [inline, virtual]

6.274.3 Member Function Documentation

6.274.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.274.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.274.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.274.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.274.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.274.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.274.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ControlCommandMarshaller.h**

6.275 activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1548).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/ControlCommandM`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller:

Public Member Functions

- **ControlCommandMarshaller** ()
- virtual ∼**ControlCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.275.1 Detailed Description

Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1548).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.275.2 Constructor & Destructor Documentation

6.275.2.1 activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller::ControlCommandMarshaller ( ) [inline]

6.275.2.2 virtual activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller::∼ControlCommandMarshaller ( ) [inline, virtual]

6.275.3 Member Function Documentation

6.275.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.275.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.275.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.275.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.275.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.275.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.275.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ControlCommandMarshaller.h**

6.276 activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1552).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ControlCommandM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller:

Public Member Functions

- **ControlCommandMarshaller** ()
- virtual ~**ControlCommandMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.276.1 Detailed Description

Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1552).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.276.2 Constructor & Destructor Documentation

6.276.2.1 activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller::ControlCommandMarshaller ( ) [inline]

6.276.2.2 virtual activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller::∼ControlCommandMarshaller ( ) [inline, virtual]

6.276.3 Member Function Documentation

6.276.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.276.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller::getDataStructureT ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.276.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.276.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.276.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.276.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.276.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ControlCommandMarshaller.h**

6.277 activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1556).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ControlCommandM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller:

Public Member Functions

- **ControlCommandMarshaller** ()
- virtual ~**ControlCommandMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.277.1 Detailed Description

Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1556).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.277.2 Constructor & Destructor Documentation

6.277.2.1 activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller::ControlCommandMarshaller ( ) [inline]

6.277.2.2 virtual activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller::~ControlCommandMarshaller ( ) [inline, virtual]

6.277.3 Member Function Documentation

6.277.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.277.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller::getDataStructureT ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.277.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.277.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.277.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.277.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.277.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ControlCommandMarshaller.h**

6.278 activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1561).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/ControlCommandMarshaller`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller:

Public Member Functions

- **ControlCommandMarshaller** ()
- virtual ∼**ControlCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.278.1 Detailed Description

Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1561). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.278.2 Constructor & Destructor Documentation

6.278.2.1 activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller::ControlCommandMarshaller ( ) [inline]

6.278.2.2 virtual activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller::~ControlCommandMarshaller ( ) [inline, virtual]

6.278.3 Member Function Documentation

6.278.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.278.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller::getDataStructureT ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.278.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.278.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.278.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.278.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.278.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ControlCommandMarshaller.h**

6.279 decaf::util::concurrent::CountDownLatch Class Reference

```
#include <src/main/decaf/util/concurrent/CountDownLatch.h>
```

Public Member Functions

- **CountDownLatch** (int count)

  Constructor.

- virtual ~**CountDownLatch** ()
- virtual void **await** () throw (decaf::lang::exceptions::InterruptedException, decaf::lang::Exception)

  Causes the current thread to wait until the latch has counted down to zero, unless the thread is interrupted.

- virtual bool **await** (long long timeOut) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::Exception)

  Causes the current thread to wait until the latch has counted down to zero, unless the thread is interrupted, or the specified waiting time elapses.

- virtual bool **await** (long long timeout, const **TimeUnit** &unit) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::Exception)

  Causes the current thread to wait until the latch has counted down to zero, unless the thread is interrupted, or the specified waiting time elapses.

- virtual void **countDown** ()

  Counts down the latch, releasing all waiting threads when the count hits zero.

- virtual int **getCount** () const

  Gets the current count.

6.279.1 Constructor & Destructor Documentation

6.279.1.1 decaf::util::concurrent::CountDownLatch::CountDownLatch (int *count*)

Constructor.

Parameters

count	- number to count down from.

6.279.1.2 virtual decaf::util::concurrent::CountDownLatch::~CountDownLatch ( ) [virtual]

6.279.2 Member Function Documentation

6.279.2.1 virtual void decaf::util::concurrent::CountDownLatch::await ( ) throw (**decaf::lang::exceptions::InterruptedException, decaf::lang::Exception**) [virtual]

Causes the current thread to wait until the latch has counted down to zero, unless the thread is interrupted.

If the current count is zero then this method returns immediately.

If the current count is greater than zero then the current thread becomes disabled for thread scheduling purposes and lies dormant until one of two things happen:

∗ The count reaches zero due to invocations of the **countDown()** (p. 1568) method; or
∗ Some other thread interrupts the current thread.

If the current thread:

∗ has its interrupted status set on entry to this method; or ∗ is interrupted while waiting,

then InterruptedException is thrown and the current thread's interrupted status is cleared.

Exceptions

InterruptedException	- if the current thread is interrupted while waiting.
Exception	- if any other error occurs.

6.279.2.2 virtual bool decaf::util::concurrent::CountDownLatch::await (long long *timeOut*) throw (**decaf::lang::exceptions::InterruptedException, decaf::lang::Exception**) [virtual]

Causes the current thread to wait until the latch has counted down to zero, unless the thread is interrupted, or the specified waiting time elapses.

If the current count is zero then this method returns immediately with the value true.

If the current count is greater than zero then the current thread becomes disabled for

thread scheduling purposes and lies dormant until one of three things happen:

∗ The count reaches zero due to invocations of the **countDown()** (p. 1568) method; or ∗ Some other thread interrupts the current thread; or ∗ The specified waiting time elapses.

If the count reaches zero then the method returns with the value true.

If the current thread:

∗ has its interrupted status set on entry to this method; or ∗ is interrupted while waiting,

then InterruptedException is thrown and the current thread's interrupted status is cleared.

If the specified waiting time elapses then the value false is returned. If the time is less than or equal to zero, the method will not wait at all.

Parameters

timeout	- Time in milliseconds to wait for the count to reach zero.

Exceptions

InterruptedException	- if the current thread is interrupted while waiting.
Exception	- if any other error occurs.

6.279.2.3 virtual bool decaf::util::concurrent::CountDownLatch::await (long long *timeout*, const TimeUnit & *unit*) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::Exception) [virtual]

Causes the current thread to wait until the latch has counted down to zero, unless the thread is interrupted, or the specified waiting time elapses.

If the current count is zero then this method returns immediately with the value true.

If the current count is greater than zero then the current thread becomes disabled for thread scheduling purposes and lies dormant until one of three things happen:

∗ The count reaches zero due to invocations of the **countDown()** (p. 1568) method; or ∗ Some other thread interrupts the current thread; or ∗ The specified waiting time elapses.

If the count reaches zero then the method returns with the value true.

If the current thread:

∗ has its interrupted status set on entry to this method; or ∗ is interrupted while waiting,

then InterruptedException is thrown and the current thread's interrupted status is cleared.

If the specified waiting time elapses then the value false is returned. If the time is less than or equal to zero, the method will not wait at all.

Parameters

timeout	- Time to wait for the count to reach zero.
unit	- The units that the timeout specifies.

Exceptions

InterruptedException	- if the current thread is interrupted while waiting.
Exception	- if any other error occurs.

6.279.2.4 virtual void decaf::util::concurrent::CountDownLatch::countDown ( )

`[virtual]`

Counts down the latch, releasing all waiting threads when the count hits zero.

6.279.2.5 virtual int decaf::util::concurrent::CountDownLatch::getCount ( ) const

`[inline, virtual]`

Gets the current count.

Returns

int count value

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**CountDownLatch.h**

6.280 decaf::util::zip::CRC32 Class Reference

Class that can be used to compute a CRC-32 checksum for a data stream.

`#include <src/main/decaf/util/zip/CRC32.h>`

Inheritance diagram for decaf::util::zip::CRC32:

Public Member Functions

- **CRC32** ()
- virtual ~**CRC32** ()
- virtual long long **getValue** () const
- virtual void **reset** ()

  Reset the checksum to its initial value.

- virtual void **update** (const std::vector< unsigned char > &buffer)

  Updates the current checksum with the specified vector of bytes.

- virtual void **update** (const std::vector< unsigned char > &buffer, int offset, int length) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

Updates the current checksum with the specified array of bytes.

- virtual void **update** (const unsigned char ∗buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Updates the current checksum with the specified array of bytes.

- virtual void **update** (int byte)

  Updates the current checksum with the specified byte value.

6.280.1 Detailed Description

Class that can be used to compute a CRC-32 checksum for a data stream.

Since

1.0

6.280.2 Constructor & Destructor Documentation

6.280.2.1 decaf::util::zip::CRC32::CRC32 ( )

6.280.2.2 virtual decaf::util::zip::CRC32::∼CRC32 ( ) [virtual]

6.280.3 Member Function Documentation

6.280.3.1 virtual long long decaf::util::zip::CRC32::getValue ( ) const [virtual]

Returns

the current checksum value.

Implements **decaf::util::zip::Checksum** (p. 1175).

6.280.3.2 virtual void decaf::util::zip::CRC32::reset ( ) [virtual]

Reset the checksum to its initial value.

Implements **decaf::util::zip::Checksum** (p. 1175).

6.280.3.3 virtual void decaf::util::zip::CRC32::update (const unsigned char ∗ *buffer,* int *size,* int *offset,* int *length*) throw (**decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) [virtual]

Updates the current checksum with the specified array of bytes.

Parameters

buffer	The buffer to read the updated bytes from.
size	The size of the passed buffer.
offset	The position in the buffer to start reading.
length	The amount of data to read from the byte buffer.

Exceptions

NullPointerException	if the passed buffer is NULL.
IndexOutOfBoundsException	if offset + length > size of the buffer.

Implements **decaf::util::zip::Checksum** (p. 1175).

6.280.3.4 virtual void decaf::util::zip::CRC32::update (const std::vector< unsigned char > & *buffer*, int *offset*, int *length*) throw (**decaf::lang::exceptions::IndexOutOfBoundsException**) [virtual]

Updates the current checksum with the specified array of bytes.

Parameters

buffer	The buffer to read the updated bytes from.
offset	The position in the buffer to start reading.
length	The amount of data to read from the byte buffer.

Exceptions

IndexOutOfBoundsException	if offset + length > size of the buffer.

Implements **decaf::util::zip::Checksum** (p. 1176).

6.280.3.5 virtual void decaf::util::zip::CRC32::update (const std::vector< unsigned char > & *buffer*) [virtual]

Updates the current checksum with the specified vector of bytes.

Parameters

buffer	The buffer to read the updated bytes from.

Implements **decaf::util::zip::Checksum** (p. 1176).

6.280.3.6 virtual void decaf::util::zip::CRC32::update (int *byte*) [virtual]

Updates the current checksum with the specified byte value.

Parameters

byte	The byte value to update the current **Checksum** (p. 1174) with (0..255).

Implements **decaf::util::zip::Checksum** (p. 1176).

The documentation for this class was generated from the following file:

- src/main/decaf/util/zip/**CRC32.h**

6.281 ct_data_s Struct Reference

```
#include <src/main/decaf/internal/util/zip/deflate.h>
```

Data Fields

- union {
  ush freq
  ush code
  } **fc**

- union {
  ush dad
  ush len
  } **dl**

6.281.1 Field Documentation

6.281.1.1 ush ct_data_s::code

6.281.1.2 ush ct_data_s::dad

6.281.1.3 union { ... } ct_data_s::dl

6.281.1.4 union { ... } ct_data_s::fc

6.281.1.5 ush ct_data_s::freq

6.281.1.6 ush ct_data_s::len

The documentation for this struct was generated from the following file:

- src/main/decaf/internal/util/zip/**deflate.h**

6.282 activemq::commands::DataArrayResponse Class Reference

`#include <src/main/activemq/commands/DataArrayResponse.h>`

Inheritance diagram for activemq::commands::DataArrayResponse:

Public Member Functions

- **DataArrayResponse** ()
- virtual ~**DataArrayResponse** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **DataArrayResponse** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual const std::vector< **decaf::lang::Pointer**< **DataStructure** > > & **getData** () const
- virtual std::vector< **decaf::lang::Pointer**< **DataStructure** > > & **getData** ()
- virtual void **setData** (const std::vector< **decaf::lang::Pointer**< **DataStructure** > > &**data**)

Static Public Attributes

- static const unsigned char **ID_DATAARRAYRESPONSE** = 33

Protected Attributes

- std::vector< **decaf::lang::Pointer**< **DataStructure** > > **data**

6.282.1 Constructor & Destructor Documentation

6.282.1.1 activemq::commands::DataArrayResponse::DataArrayResponse ( )

6.282.1.2 virtual activemq::commands::DataArrayResponse::~DataArrayResponse ( ) [virtual]

6.282.2 Member Function Documentation

6.282.2.1 virtual DataArrayResponse* activemq::commands::DataArrayResponse::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::Response** (p. 3380).

6.282.2.2 virtual void activemq::commands::DataArrayResponse::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::Response** (p. 3380).

6.282.2.3 virtual bool activemq::commands::DataArrayResponse::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::Response** (p. 3381).

6.282.2.4 virtual std::vector< decaf::lang::Pointer<DataStructure> >& activemq::commands::DataArrayResponse::getData ( ) [virtual]

6.282.2.5 virtual const std::vector< decaf::lang::Pointer<DataStructure> >& activemq::commands::DataArrayResponse::getData ( ) const [virtual]

6.282.2.6 virtual unsigned char activemq::commands::DataArrayResponse::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::Response** (p. 3381).

6.282.2.7 virtual void activemq::commands::DataArrayResponse::setData (const std::vector< decaf::lang::Pointer< DataStructure > > & *data*) [virtual]

6.282.2.8 virtual std::string activemq::commands::DataArrayResponse::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::Response** (p. 3382).

6.282.3 Field Documentation

6.282.3.1 std::vector< decaf::lang::Pointer<DataStructure> > activemq::commands::DataArrayResponse::data [protected]

6.282.3.2 const unsigned char activemq::commands::DataArrayResponse::ID_DATAARRAYRESPONSE = 33 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**DataArrayResponse.h**

6.283 activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1574).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/DataArrayResponseMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller:

Public Member Functions

- **DataArrayResponseMarshaller** ()
- virtual ∼**DataArrayResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.283.1 Detailed Description

Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1574).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.283.2 Constructor & Destructor Documentation

6.283.2.1 activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller::DataArrayResponseMarshaller ( ) [inline]

6.283.2.2 virtual activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller::~DataArrayResponseMarshall ( ) [inline, virtual]

6.283.3 Member Function Documentation

6.283.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395).

6.283.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller::getDataStructur ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395).

6.283.3.3 virtual void activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395).

6.283.3.4 virtual void activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3396).

6.283.3.5 virtual int activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3397).

6.283.3.6 virtual void activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3397).

6.283.3.7 virtual void activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3398).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**DataArrayResponseMarshaller.h**

6.284 activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1579).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/DataArrayResponseMarshal`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller:

Public Member Functions

- **DataArrayResponseMarshaller** ()
- virtual ∼**DataArrayResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.284.1 Detailed Description

Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1579). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.284.2 Constructor & Destructor Documentation

6.284.2.1 activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller::DataArrayResponseMarshaller ( ) [inline]

6.284.2.2 virtual activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller::~DataArrayResponseMarshall ( ) [inline, virtual]

6.284.3 Member Function Documentation

6.284.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405).

6.284.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller::getDataStructur ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405).

6.284.3.3 virtual void activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405).

6.284.3.4 virtual void activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3406).

6.284.3.5 virtual int activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3407).

6.284.3.6 virtual void activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3407).

6.284.3.7 virtual void activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3408).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**DataArrayResponseMarshaller.h**

6.285 activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1583).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/DataArrayResponseMarshal`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller:

Public Member Functions

- **DataArrayResponseMarshaller** ()
- virtual ~**DataArrayResponseMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.285.1 Detailed Description

Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1583).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.285.2 Constructor & Destructor Documentation

6.285.2.1 activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller::DataArrayResponseMarshaller ( ) [inline]

6.285.2.2 virtual activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller::∼DataArrayResponseMarshall ( ) [inline, virtual]

6.285.3 Member Function Documentation

6.285.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390).

6.285.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390).

6.285.3.3 virtual void activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390).

6.285.3.4 virtual void activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3391).

6.285.3.5 virtual int activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3392).

6.285.3.6 virtual void activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3392).

6.285.3.7 virtual void activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3393).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**DataArrayResponseMarshaller.h**

6.286 activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1587).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/DataArrayResponseMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller:

Public Member Functions

- **DataArrayResponseMarshaller** ()

- virtual ~**DataArrayResponseMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.286.1 Detailed Description

Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1587).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.286.2 Constructor & Destructor Documentation

6.286.2.1 activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller::DataArrayResponseMarshaller ( ) [inline]

6.286.2.2 virtual activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller::~DataArrayResponseMarshaller ( ) [inline, virtual]

6.286.3 Member Function Documentation

6.286.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410).

6.286.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410).

6.286.3.3 virtual void activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410).

6.286.3.4 virtual void activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3411).

6.286.3.5 virtual int activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3412).

6.286.3.6 virtual void activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3412).

6.286.3.7 virtual void activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3413).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**DataArrayResponseMarshaller.h**

6.287 activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1592).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/DataArrayRespon`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller:

Public Member Functions

- **DataArrayResponseMarshaller** ()
- virtual ~**DataArrayResponseMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.287.1 Detailed Description

Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1592).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.287.2 Constructor & Destructor Documentation

6.287.2.1 activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller::DataArrayResponseMarshaller ( ) [inline]

6.287.2.2 virtual activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller::~DataArrayResponseMarshaller ( ) [inline, virtual]

6.287.3 Member Function Documentation

6.287.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400).

6.287.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400).

6.287.3.3 virtual void activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400).

6.287.3.4 virtual void activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3401).

6.287.3.5 virtual int activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3402).

6.287.3.6 virtual void activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3402).

6.287.3.7 virtual void activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3403).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**DataArrayResponseMarshaller.h**

6.288 activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1596).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/DataArrayRespon
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller:

Public Member Functions

- **DataArrayResponseMarshaller** ()
- virtual ~**DataArrayResponseMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.288.1 Detailed Description

Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1596).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.288.2 Constructor & Destructor Documentation

6.288.2.1 activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller::DataArrayResponseMarshaller ( ) [inline]

6.288.2.2 virtual activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller::∼DataArrayResponseMarshaller ( ) [inline, virtual]

6.288.3 Member Function Documentation

6.288.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415).

6.288.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller::getDataStructur ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415).

6.288.3.3 virtual void activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415).

6.288.3.4 virtual void activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3416).

6.288.3.5 virtual int activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3417).

6.288.3.6 virtual void activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3417).

6.288.3.7 virtual void activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3418).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**DataArrayResponseMarshaller.h**

6.289 decaf::util::zip::DataFormatException Class Reference

`#include <src/main/decaf/util/zip/DataFormatException.h>`

Inheritance diagram for decaf::util::zip::DataFormatException:

Public Member Functions

- **DataFormatException** () throw ()

  Default Constructor.

- **DataFormatException** (const **lang::Exception** &ex) throw ()

  Copy Constructor.

- **DataFormatException** (const **DataFormatException** &ex) throw ()

  Copy Constructor.

- **DataFormatException** (const char *file, const int lineNumber, const std::exception ***cause**, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **DataFormatException** (const std::exception ***cause**) throw ()

  Constructor.

- **DataFormatException** (const char *file, const int lineNumber, const char *msg,...) throw ()

  Constructor.

- virtual **DataFormatException** * **clone** () const

  Clones this exception.

- virtual ~**DataFormatException** () throw ()

6.289.1 Constructor & Destructor Documentation

6.289.1.1 decaf::util::zip::DataFormatException::DataFormatException ( ) throw () [inline]

Default Constructor.

6.289.1.2 decaf::util::zip::DataFormatException::DataFormatException (const lang::Exception & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy

6.289.1.3 decaf::util::zip::DataFormatException::DataFormatException (const DataFormatException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy, which is an instance of this type

6.289.1.4 decaf::util::zip::DataFormatException::DataFormatException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.289.1.5 decaf::util::zip::DataFormatException::DataFormatException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.289.1.6 decaf::util::zip::DataFormatException::DataFormatException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor.

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.289.1.7 virtual decaf::util::zip::DataFormatException::~DataFormatException ( ) throw () [inline, virtual]

6.289.2 Member Function Documentation

6.289.2.1 virtual DataFormatException* decaf::util::zip::DataFormatException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new instance of an Exception that is a copy of this instance.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/util/zip/**DataFormatException.h**

6.290 decaf::io::DataInput Class Reference

The **DataInput** (p. 1603) interface provides for reading bytes from a binary stream and reconstructing from them data in any of the C++ primitive types.

```
#include <src/main/decaf/io/DataInput.h>
```

Public Member Functions

- virtual ~**DataInput** ()
- virtual bool **readBoolean** ()=0 throw (decaf::io::IOException, decaf::io::EOFException)

  Reads in one byte and returns true if that byte is nonzero, false if that byte is zero.

- virtual char **readByte** ()=0 throw (decaf::io::IOException, decaf::io::EOFException)

  Reads and returns one input byte.

- virtual unsigned char **readUnsignedByte** ()=0 throw (decaf::io::IOException, decaf::io::EOFException)

  Reads one input byte, zero-extends it to type int, and returns the result, which is therefore in the range 0 through 255.

- virtual char **readChar** ()=0 throw (decaf::io::IOException, decaf::io::EOFException)

  Reads an input char and returns the char value.

- virtual double **readDouble** ()=0 throw (decaf::io::IOException, decaf::io::EOFException)

  Reads eight input bytes and returns a double value.

- virtual float **readFloat** ()=0 throw (decaf::io::IOException, decaf::io::EOFException)

  Reads four input bytes and returns a float value.

- virtual int **readInt** ()=0 throw (decaf::io::IOException, decaf::io::EOFException)

  Reads four input bytes and returns an int value.

- virtual long long **readLong** ()=0 throw (decaf::io::IOException, decaf::io::EOFException)

  Reads eight input bytes and returns a long value.

- virtual short **readShort** ()=0 throw (decaf::io::IOException, decaf::io::EOFException)

  Reads two input bytes and returns a short value.

- virtual unsigned short **readUnsignedShort** ()=0 throw (decaf::io::IOException, decaf::io::EOFException)

  Reads two input bytes and returns an int value in the range 0 through 65535.

- virtual std::string **readString** ()=0 throw (decaf::io::IOException, decaf::io::EOFException)

  Reads an NULL terminated ASCII string to the stream and returns the string to the caller.

- virtual std::string **readLine** ()=0 throw (decaf::io::IOException)

  Reads the next line of text from the input stream.

- virtual std::string **readUTF** ()=0 throw (decaf::io::IOException, decaf::io::EOFException, decaf::io::UTFDataFormatException)

  Reads a modified UTF-8 encoded string in ASCII format and returns it, this is only useful if you know for sure that the string that is to be read was a string that contained all ASCII values (0-255), if so this method will throw a UTFFormatException.

- virtual void **readFully** (unsigned char *buffer, int size)=0 throw (decaf::io::IOException, decaf::io::EOFException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads some bytes from an input stream and stores them into the buffer array buffer.

- virtual void **readFully** (unsigned char *buffer, int size, int offset, int length)=0 throw (decaf::io::IOException, decaf::io::EOFException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads length bytes from an input stream.

- virtual long long **skipBytes** (long long num)=0 throw (io::IOException)

  Makes an attempt to skip over n bytes of data from the input stream, discarding the skipped bytes.

6.290.1 Detailed Description

The **DataInput** (p. 1603) interface provides for reading bytes from a binary stream and reconstructing from them data in any of the C++ primitive types. There is also a facility for reconstructing Strings from data in the Java standard modified UTF-8 format.

It is generally true of all the reading routines in this interface that if end of file is reached before the desired number of bytes has been read, an **EOFException** (p. 1881) is thrown. If any byte cannot be read for any reason other than end of file, an **IOException** (p. 2210) other than **EOFException** (p. 1881) is thrown. for example, an **IOException** (p. 2210) may be thrown if the underlying input stream has been closed.

See also

DataOutput (p. 1622)
DataInputStream (p. 1612)

Since

1.0

6.290.2 Constructor & Destructor Documentation

6.290.2.1 virtual decaf::io::DataInput::~DataInput ( ) [inline, virtual]

6.290.3 Member Function Documentation

6.290.3.1 virtual bool decaf::io::DataInput::readBoolean ( ) throw (decaf::io::IOException, decaf::io::EOFException) [pure virtual]

Reads in one byte and returns true if that byte is nonzero, false if that byte is zero.

Returns

the boolean value of the read in byte (0=false, 1=true).

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

6.290.3.2 virtual char decaf::io::DataInput::readByte ( ) throw (decaf::io::IOException, decaf::io::EOFException) [pure virtual]

Reads and returns one input byte.

The byte is treated as a signed value in the range -128 through 127, inclusive.

Returns

the 8-bit value read.

Exceptions

IOException (p. *2210*)	if an I/O Error occurs.
EOFException (p. *1881*)	if the end of input is reached.

6.290.3.3 virtual char decaf::io::DataInput::readChar ( ) throw (decaf::io::IOException, decaf::io::EOFException) [pure virtual]

Reads an input char and returns the char value.

A ascii char is made up of one bytes. This returns the same result as `readByte`

Returns

the 8 bit char read.

Exceptions

IOException (p. *2210*)	if an I/O Error occurs.
EOFException (p. *1881*)	if the end of input is reached.

6.290.3.4 virtual double decaf::io::DataInput::readDouble ( ) throw (decaf::io::IOException, decaf::io::EOFException) [pure virtual]

Reads eight input bytes and returns a double value.

It does this by first constructing a long long value in exactly the manner of the readlong method, then converting this long value to a double in exactly the manner of the method Double::longBitsToDouble.

Returns

the double value read.

Exceptions

IOException (p. *2210*)	if an I/O Error occurs.
EOFException (p. *1881*)	if the end of input is reached.

6.290.3.5 virtual float decaf::io::DataInput::readFloat ( ) throw (decaf::io::IOException, decaf::io::EOFException) [pure virtual]

Reads four input bytes and returns a float value.

It does this by first constructing an int value in exactly the manner of the readInt method, then converting this int value to a float in exactly the manner of the method Float::intBitsToFloat.

Returns

the float value read.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

6.290.3.6 virtual void decaf::io::DataInput::readFully (unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::io::EOFException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Reads length bytes from an input stream.

This method blocks until one of the following conditions occurs: * length bytes of input data are available, in which case a normal return is made. * End of file is detected, in which case an **EOFException** (p. 1881) is thrown. * An I/O error occurs, in which case an **IOException** (p. 2210) other than **EOFException** (p. 1881) is thrown.

If buffer is NULL, a NullPointerException is thrown. If offset+length is greater than the length of the array buffer, then an IndexOutOfBoundsException is thrown. If length is zero, then no bytes are read. Otherwise, the first byte read is stored into element buffer[off], the next one into buffer[offset+1], and so on. The number of bytes read is, at most, equal to length.

Parameters

buffer	The byte array to insert read data into.
size	The size in bytes of the given byte buffer.
offset	The location in buffer to start writing.
length	The number of bytes to read from the buffer.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

NullPointerException	if the buffer is NULL.
IndexOutOfBoundsException	if the offset + length > size, or an int param is negative.

6.290.3.7 virtual void decaf::io::DataInput::readFully (unsigned char * *buffer*, int *size*) throw (decaf::io::IOException, decaf::io::EOFException, decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Reads some bytes from an input stream and stores them into the buffer array buffer.

The number of bytes read is equal to the length of buffer.

This method blocks until one of the following conditions occurs: * buffer's size bytes of input data are available, in which case a normal return is made. * End of file is detected, in which case an **EOFException** (p. 1881) is thrown. * An I/O error occurs, in which case an **IOException** (p. 2210) other than **EOFException** (p. 1881) is thrown.

If buffer size is zero, then no bytes are read. Otherwise, the first byte read is stored into element b[0], the next one into buffer[1], and so on. If an exception is thrown from this method, then it may be that some but not all bytes of buffer have been updated with data from the input stream.

Parameters

buffer	The byte array to insert read data into.
size	The size in bytes of the given byte buffer.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.
IndexOutOfBoundsException	if the size value is negative.

6.290.3.8 virtual int decaf::io::DataInput::readInt ( ) throw (decaf::io::IOException, decaf::io::EOFException) [pure virtual]

Reads four input bytes and returns an int value.

Let a be the first byte read, b be the second byte, c be the third byte, and d be the fourth byte. The value returned is:

(((a & 0xff) << 24) | ((b & 0xff) << 16) | ((c & 0xff) << 8) | (d & 0xff))

Returns

the int value read.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

6.290.3.9 virtual std::string decaf::io::DataInput::readLine ( ) throw (decaf::io::IOException) [pure virtual]

Reads the next line of text from the input stream.

It reads successive bytes, converting each byte to an ASCII char separately, until it encounters a line terminator or end of file; the characters read are then returned as a standard String. Note that because this method processes bytes, it does not support input of the full Unicode character set.

If end of file is encountered before even one byte can be read, then an empty string is returned. Otherwise, each byte that is read is converted to type char. If the character '

' is encountered, it is discarded and reading ceases. If the character '' is encountered, it is discarded and, if the following byte converts to the character '

', then that is discarded also; reading then ceases. If end of file is encountered before either of the characters '

' and '' is encountered, reading ceases. Once reading has ceased, a String is returned that contains all the characters read and not discarded, taken in order.

Returns

the next line of text read from the input stream or empty string if at EOF.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.

6.290.3.10 virtual long long decaf::io::DataInput::readLong ( ) throw (decaf::io::IOException, decaf::io::EOFException) [pure virtual]

Reads eight input bytes and returns a long value.

Let a be the first byte read, b be the second byte, c be the third byte, d be the fourth byte, e be the fifth byte, f be the sixth byte, g be the seventh byte, and h be the eighth byte. The value returned is:

(((long)(a & 0xff) << 56) | ((long)(b & 0xff) << 48) | ((long)(c & 0xff) << 40) | ((long)(d & 0xff) << 32) | ((long)(e & 0xff) << 24) | ((long)(f & 0xff) << 16) | ((long)(g & 0xff) << 8) | ((long)(h & 0xff)))

Returns

the 64 bit long long read.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

6.290.3.11 virtual short decaf::io::DataInput::readShort ( ) throw (decaf::io::IOException, decaf::io::EOFException) [pure virtual]

Reads two input bytes and returns a short value.

Let a be the first byte read and b be the second byte. The value returned is:

(short)((a << 8) | (b & 0xff))

Returns

the 16 bit short value read.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

6.290.3.12 virtual std::string decaf::io::DataInput::readString ( ) throw (decaf::io::IOException, decaf::io::EOFException) [pure virtual]

Reads an NULL terminated ASCII string to the stream and returns the string to the caller.

Returns

string object containing the string read.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.

EOFException *(p. 1881)*	if the end of input is reached.

6.290.3.13 virtual unsigned char decaf::io::DataInput::readUnsignedByte ( ) throw (decaf::io::IOException, decaf::io::EOFException) [pure virtual]

Reads one input byte, zero-extends it to type int, and returns the result, which is therefore in the range 0 through 255.

Returns

the 8 bit unsigned value read.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

6.290.3.14 virtual unsigned short decaf::io::DataInput::readUnsignedShort ( ) throw (decaf::io::IOException, decaf::io::EOFException) [pure virtual]

Reads two input bytes and returns an int value in the range 0 through 65535.

Let a be the first byte read and b be the second byte. The value returned is:

(((a & 0xff) << 8) | (b & 0xff))

Returns

the 16 bit unsigned short read.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

6.290.3.15 virtual std::string decaf::io::DataInput::readUTF ( ) throw (decaf::io::IOException, decaf::io::EOFException, decaf::io::UTFDataFormatException) [pure virtual]

Reads a modified UTF-8 encoded string in ASCII format and returns it, this is only useful if you know for sure that the string that is to be read was a string that contained all ASCII values (0-255), if so this method will throw a UTFFormatException.

This method reads String value written from a Java **DataOutputStream** (p. 1628) and assumes that the length prefix the precedes the encoded UTF-8 bytes is an unsigned short, which implies that the String will be no longer than 65535 characters.

Returns

The decoded string read from stream.

Exceptions

IOException (p. *2210*)	if an I/O Error occurs.
EOFException (p. *1881*)	if the end of input is reached.
UTFDataFormatException (p. *4078*)	if the bytes are not valid modified UTF-8 values.

6.290.3.16 virtual long long decaf::io::DataInput::skipBytes (long long *num*) throw (io::IOException) [pure virtual]

Makes an attempt to skip over n bytes of data from the input stream, discarding the skipped bytes.

However, it may skip over some smaller number of bytes, possibly zero. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. This method never throws an **EOFException** (p. 1881). The actual number of bytes skipped is returned.

Parameters

num	The number of bytes to skip over.

Returns

the total number of bytes skipped.

Exceptions

IOException (p. *2210*)	if an I/O Error occurs.

The documentation for this class was generated from the following file:

- src/main/decaf/io/**DataInput.h**

6.291 decaf::io::DataInputStream Class Reference

A data input stream lets an application read primitive Java data types from an underlying input stream in a machine-independent way.

`#include <src/main/decaf/io/DataInputStream.h>`

Inheritance diagram for decaf::io::DataInputStream:

Public Member Functions

- **DataInputStream** (**InputStream** ∗**inputStream**, bool **own**=false)

  *Creates a **DataInputStream** (p. 1612) that uses the specified underlying **InputStream** (p. 2105).*

- virtual ∼**DataInputStream** ()
- virtual bool **readBoolean** () throw (decaf::io::IOException, decaf::io::EOFException)

  Reads in one byte and returns true if that byte is nonzero, false if that byte is zero.

- virtual char **readByte** () throw (decaf::io::IOException, decaf::io::EOFException)

  Reads and returns one input byte.

- virtual unsigned char **readUnsignedByte** () throw (decaf::io::IOException, decaf::io::EOFException)

  Reads one input byte, zero-extends it to type int, and returns the result, which is therefore in the range 0 through 255.

- virtual char **readChar** () throw (decaf::io::IOException, decaf::io::EOFException)

  Reads an input char and returns the char value.

- virtual double **readDouble** () throw (decaf::io::IOException, decaf::io::EOFException)

  Reads eight input bytes and returns a double value.

- virtual float **readFloat** () throw (decaf::io::IOException, decaf::io::EOFException)

  Reads four input bytes and returns a float value.

- virtual int **readInt** () throw (decaf::io::IOException, decaf::io::EOFException)

Reads four input bytes and returns an int value.

- virtual long long **readLong** () throw (decaf::io::IOException, decaf::io::EOFException)

  Reads eight input bytes and returns a long value.

- virtual short **readShort** () throw (decaf::io::IOException, decaf::io::EOFException)

  Reads two input bytes and returns a short value.

- virtual unsigned short **readUnsignedShort** () throw (decaf::io::IOException, decaf::io::EOFException)

  Reads two input bytes and returns an int value in the range 0 through 65535.

- virtual std::string **readString** () throw (decaf::io::IOException, decaf::io::EOFException)

  Reads an NULL terminated ASCII string to the stream and returns the string to the caller.

- virtual std::string **readLine** () throw (decaf::io::IOException)

  Reads the next line of text from the input stream.

- virtual std::string **readUTF** () throw (decaf::io::IOException, decaf::io::EOFException, decaf::io::UTFDataFormatException)

  Reads a modified UTF-8 encoded string in ASCII format and returns it, this is only useful if you know for sure that the string that is to be read was a string that contained all ASCII values (0-255), if so this method will throw a UTFFormatException.

- virtual void **readFully** (unsigned char *buffer, int size) throw (decaf::io::IOException, decaf::io::EOFException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads some bytes from an input stream and stores them into the buffer array buffer.

- virtual void **readFully** (unsigned char *buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::io::EOFException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Reads length bytes from an input stream.

- virtual long long **skipBytes** (long long num) throw (io::IOException)

  Makes an attempt to skip over n bytes of data from the input stream, discarding the skipped bytes.

6.291.1 Detailed Description

A data input stream lets an application read primitive Java data types from an underlying input stream in a machine-independent way. An application uses a data output stream to write data that can later be read by a data input stream.

Due to the lack of garbage collection in C++ a design decision was made to add a boolean parameter to the constructor indicating if the wrapped **InputStream** (p. 2105) is owned by this object. That way creation of the underlying stream can occur in a Java like way. Ex:

DataInputStream (p. 1612) os = new **DataInputStream** (p. 1612)(new **InputStream()** (p. 2107), true)

Since

1.0

6.291.2 Constructor & Destructor Documentation

6.291.2.1 decaf::io::DataInputStream::DataInputStream (InputStream * *inputStream,* bool *own* = false)

Creates a **DataInputStream** (p. 1612) that uses the specified underlying **InputStream** (p. 2105).

Parameters

inputStream	the **InputStream** (p. 2105) instance to wrap.
own	indicates if this class owns the wrapped string defaults to false.

6.291.2.2 virtual decaf::io::DataInputStream::~DataInputStream ( ) [virtual]

6.291.3 Member Function Documentation

6.291.3.1 virtual bool decaf::io::DataInputStream::readBoolean ( ) throw (decaf::io::IOException, decaf::io::EOFException) [virtual]

Reads in one byte and returns true if that byte is nonzero, false if that byte is zero.

Returns

the boolean value of the read in byte (0=false, 1=true).

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

6.291.3.2 virtual char decaf::io::DataInputStream::readByte ( ) throw (decaf::io::IOException, decaf::io::EOFException) [virtual]

Reads and returns one input byte.

The byte is treated as a signed value in the range -128 through 127, inclusive.

Returns

the 8-bit value read.

Exceptions

IOException (p. *2210*)	if an I/O Error occurs.
EOFException (p. *1881*)	if the end of input is reached.

6.291.3.3 virtual char decaf::io::DataInputStream::readChar ( ) throw (decaf::io::IOException, decaf::io::EOFException) [virtual]

Reads an input char and returns the char value.

A ascii char is made up of one bytes. This returns the same result as `readByte`

Returns

the 8 bit char read.

Exceptions

IOException (p. *2210*)	if an I/O Error occurs.
EOFException (p. *1881*)	if the end of input is reached.

6.291.3.4 virtual double decaf::io::DataInputStream::readDouble ( ) throw (decaf::io::IOException, decaf::io::EOFException) [virtual]

Reads eight input bytes and returns a double value.

It does this by first constructing a long long value in exactly the manner of the readlong method, then converting this long value to a double in exactly the manner of the method Double::longBitsToDouble.

Returns

the double value read.

Exceptions

IOException (p. *2210*)	if an I/O Error occurs.
EOFException (p. *1881*)	if the end of input is reached.

6.291.3.5 virtual float decaf::io::DataInputStream::readFloat ( ) throw (decaf::io::IOException, decaf::io::EOFException) [virtual]

Reads four input bytes and returns a float value.

It does this by first constructing an int value in exactly the manner of the readInt method, then converting this int value to a float in exactly the manner of the method Float::intBitsToFloat.

Returns

the float value read.

Exceptions

IOException (p. *2210*)	if an I/O Error occurs.
EOFException (p. *1881*)	if the end of input is reached.

6.291.3.6 virtual void decaf::io::DataInputStream::readFully (unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::io::IOException, decaf::io::EOFException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads length bytes from an input stream.

This method blocks until one of the following conditions occurs: * length bytes of input data are available, in which case a normal return is made. * End of file is detected, in which case an **EOFException** (p. 1881) is thrown. * An I/O error occurs, in which case an **IOException** (p. 2210) other than **EOFException** (p. 1881) is thrown.

If buffer is NULL, a NullPointerException is thrown. If offset+length is greater than the length of the array buffer, then an IndexOutOfBoundsException is thrown. If length is zero, then no bytes are read. Otherwise, the first byte read is stored into element buffer[off], the next one into buffer[offset+1], and so on. The number of bytes read is, at most, equal to length.

Parameters

buffer	The byte array to insert read data into.
size	The size in bytes of the given byte buffer.
offset	The location in buffer to start writing.
length	The number of bytes to read from the buffer.

Exceptions

IOException (p. *2210*)	if an I/O Error occurs.
EOFException (p. *1881*)	if the end of input is reached.
NullPointerException	if the buffer is NULL.
IndexOutOfBoundsException	if the offset + length > size.

6.291.3.7 virtual void decaf::io::DataInputStream::readFully (unsigned char * *buffer*, int *size*) throw (decaf::io::IOException, decaf::io::EOFException, decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Reads some bytes from an input stream and stores them into the buffer array buffer.

The number of bytes read is equal to the length of buffer.

This method blocks until one of the following conditions occurs: * buffer's size bytes of input data are available, in which case a normal return is made. * End of file is detected, in which case an **EOFException** (p. 1881) is thrown. * An I/O error occurs, in which case an **IOException** (p. 2210) other than **EOFException** (p. 1881) is thrown.

If buffer size is zero, then no bytes are read. Otherwise, the first byte read is stored into element b[0], the next one into buffer[1], and so on. If an exception is thrown from this method, then it may be that some but not all bytes of buffer have been updated with data from the input stream.

Parameters

buffer	The byte array to insert read data into.
size	The size in bytes of the given byte buffer.

Exceptions

IOException (p. *2210*)	if an I/O Error occurs.
EOFException (p. *1881*)	if the end of input is reached.
IndexOutOfBoundsException	if the size value is negative.

6.291.3.8 virtual int decaf::io::DataInputStream::readInt ( ) throw (decaf::io::IOException, decaf::io::EOFException) [virtual]

Reads four input bytes and returns an int value.

Let a be the first byte read, b be the second byte, c be the third byte, and d be the fourth byte. The value returned is:

(((a & 0xff) << 24) | ((b & 0xff) << 16) | ((c & 0xff) << 8) | (d & 0xff))

Returns

the int value read.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

6.291.3.9 virtual std::string decaf::io::DataInputStream::readLine ( ) throw (decaf::io::IOException) [virtual]

Reads the next line of text from the input stream.

It reads successive bytes, converting each byte to an ASCII char separately, until it encounters a line terminator or end of file; the characters read are then returned as a standard String. Note that because this method processes bytes, it does not support input of the full Unicode character set.

If end of file is encountered before even one byte can be read, then an empty string is returned. Otherwise, each byte that is read is converted to type char. If the character '

' is encountered, it is discarded and reading ceases. If the character '' is encountered, it is discarded and, if the following byte converts to the character '

', then that is discarded also; reading then ceases. If end of file is encountered before either of the characters '

' and '' is encountered, reading ceases. Once reading has ceased, a String is returned that contains all the characters read and not discarded, taken in order.

Returns

the next line of text read from the input stream or empty string if at EOF.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.

6.291.3.10 virtual long long decaf::io::DataInputStream::readLong ( ) throw (decaf::io::IOException, decaf::io::EOFException) [virtual]

Reads eight input bytes and returns a long value.

Let a be the first byte read, b be the second byte, c be the third byte, d be the fourth byte, e be the fifth byte, f be the sixth byte, g be the seventh byte, and h be the eighth

byte. The value returned is:

(((long)(a & 0xff) << 56) | ((long)(b & 0xff) << 48) | ((long)(c & 0xff) << 40) | ((long)(d & 0xff) << 32) | ((long)(e & 0xff) << 24) | ((long)(f & 0xff) << 16) | ((long)(g & 0xff) << 8) | ((long)(h & 0xff)))

Returns

the 64 bit long long read.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

6.291.3.11 virtual short decaf::io::DataInputStream::readShort ( ) throw (decaf::io::IOException, decaf::io::EOFException) [virtual]

Reads two input bytes and returns a short value.

Let a be the first byte read and b be the second byte. The value returned is:

(short)((a << 8) | (b & 0xff))

Returns

the 16 bit short value read.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

6.291.3.12 virtual std::string decaf::io::DataInputStream::readString ( ) throw (decaf::io::IOException, decaf::io::EOFException) [virtual]

Reads an NULL terminated ASCII string to the stream and returns the string to the caller.

Returns

string object containing the string read.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.

EOFException *(p. 1881)*	if the end of input is reached.

6.291.3.13 virtual unsigned char decaf::io::DataInputStream::readUnsignedByte ( ) throw (decaf::io::IOException, decaf::io::EOFException) [virtual]

Reads one input byte, zero-extends it to type int, and returns the result, which is therefore in the range 0 through 255.

Returns

the 8 bit unsigned value read.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

6.291.3.14 virtual unsigned short decaf::io::DataInputStream::readUnsignedShort ( ) throw (decaf::io::IOException, decaf::io::EOFException) [virtual]

Reads two input bytes and returns an int value in the range 0 through 65535.

Let a be the first byte read and b be the second byte. The value returned is:

(((a & 0xff) << 8) | (b & 0xff))

Returns

the 16 bit unsigned short read.

Exceptions

IOException *(p. 2210)*	if an I/O Error occurs.
EOFException *(p. 1881)*	if the end of input is reached.

6.291.3.15 virtual std::string decaf::io::DataInputStream::readUTF ( ) throw (decaf::io::IOException, decaf::io::EOFException, decaf::io::UTFDataFormatException) [virtual]

Reads a modified UTF-8 encoded string in ASCII format and returns it, this is only useful if you know for sure that the string that is to be read was a string that contained

all ASCII values (0-255), if so this method will throw a UTFFormatException.

This method reads String value written from a Java **DataOutputStream** (p. 1628) and assumes that the length prefix the precedes the encoded UTF-8 bytes is an unsigned short, which implies that the String will be no longer than 65535 characters.

Returns

The decoded string read from stream.

Exceptions

IOException (p. *2210*)	if an I/O Error occurs.
EOFException (p. *1881*)	if the end of input is reached.
UTFDataFormatException (p. *4078*)	if the bytes are not valid modified UTF-8 values.

6.291.3.16 virtual long long decaf::io::DataInputStream::skipBytes (long long *num*) throw (io::IOException) `[virtual]`

Makes an attempt to skip over n bytes of data from the input stream, discarding the skipped bytes.

However, it may skip over some smaller number of bytes, possibly zero. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. This method never throws an **EOFException** (p. 1881). The actual number of bytes skipped is returned.

Parameters

num	The number of bytes to skip over.

Returns

the total number of bytes skipped.

Exceptions

IOException (p. *2210*)	if an I/O Error occurs.

The documentation for this class was generated from the following file:

- src/main/decaf/io/**DataInputStream.h**

6.292 decaf::io::DataOutput Class Reference

The **DataOutput** (p. 1622) interface provides for converting data from any of the C++ primitive types to a series of bytes and writing these bytes to a binary stream.

```
#include <src/main/decaf/io/DataOutput.h>
```

Public Member Functions

- virtual ~**DataOutput** ()
- virtual void **writeBoolean** (bool value)=0 throw (decaf::io::IOException)

  Writes a boolean to the underlying output stream as a 1-byte value.

- virtual void **writeByte** (unsigned char value)=0 throw (decaf::io::IOException)

  Writes out a byte to the underlying output stream as a 1-byte value.

- virtual void **writeShort** (short value)=0 throw (decaf::io::IOException)

  Writes a short to the underlying output stream as two bytes, high byte first.

- virtual void **writeUnsignedShort** (unsigned short value)=0 throw (decaf::io::IOException)

  Writes a unsigned short to the bytes message stream as a 2 byte value.

- virtual void **writeChar** (char value)=0 throw (decaf::io::IOException)

  Writes out a char to the underlying output stream as a one byte value If no exception is thrown, the counter written is incremented by 1.

- virtual void **writeInt** (int value)=0 throw (decaf::io::IOException)

  Writes an int to the underlying output stream as four bytes, high byte first.

- virtual void **writeLong** (long long value)=0 throw (decaf::io::IOException)

  Writes an 64 bit long to the underlying output stream as eight bytes, high byte first.

- virtual void **writeFloat** (float value)=0 throw (decaf::io::IOException)

  Converts the float argument to an int using the floatToIntBits method in class Float, and then writes that int value to the underlying output stream as a 4-byte quantity, high byte first.

- virtual void **writeDouble** (double value)=0 throw (decaf::io::IOException)

  Converts the double argument to a long using the doubleToLongBits method in class Double, and then writes that long value to the underlying output stream as an 8-byte quantity, high byte first.

- virtual void **writeBytes** (const std::string &value)=0 throw (decaf::io::IOException)

  Writes out the string to the underlying output stream as a sequence of bytes.

- virtual void **writeChars** (const std::string &value)=0 throw (decaf::io::IOException)

  Writes a string to the underlying output stream as a sequence of characters.

- virtual void **writeUTF** (const std::string &value)=0 throw (decaf::io::IOException, decaf::io::UTFDataFormatException)

  Writes out the string to the underlying output stream as a modeified UTF-8 encoded sequence of bytes.

6.292.1 Detailed Description

The **DataOutput** (p. 1622) interface provides for converting data from any of the C++ primitive types to a series of bytes and writing these bytes to a binary stream. There is also a facility for converting Strings into the Java standard modified UTF-8 format and writing the resulting series of bytes.

If a method in this interface encounters an error while writing it will throw an **IOException** (p. 2210).

See also

DataInput (p. 1603)
DataOutputStream (p. 1628)

Since

1.0

6.292.2 Constructor & Destructor Documentation

6.292.2.1 virtual decaf::io::DataOutput::~DataOutput ( ) [inline, virtual]

6.292.3 Member Function Documentation

6.292.3.1 virtual void decaf::io::DataOutput::writeBoolean (bool *value*) throw (decaf::io::IOException) [pure virtual]

Writes a boolean to the underlying output stream as a 1-byte value.

The value true is written out as the value (byte)1; the value false is written out as the value (byte)0. If no exception is thrown, the counter written is incremented by 1.

Parameters

value	The boolean to write as a byte (1=true, 0=false).

Exceptions

IOException *(p. 2210)*	if an I/O error is encountered.

6.292.3.2 virtual void decaf::io::DataOutput::writeByte (unsigned char *value*) throw (decaf::io::IOException) [pure virtual]

Writes out a byte to the underlying output stream as a 1-byte value.

If no exception is thrown, the counter written is incremented by 1.

Parameters

value	The unsigned char value to write.

Exceptions

IOException *(p. 2210)*	if an I/O error is encountered.

6.292.3.3 virtual void decaf::io::DataOutput::writeBytes (const std::string & *value*) throw (decaf::io::IOException) [pure virtual]

Writes out the string to the underlying output stream as a sequence of bytes.

Each character in the string is written out, in sequence, by discarding its high eight bits. If no exception is thrown, the counter written is incremented by the length of value. The value written does not include a trailing null as that is not part of the sequence of bytes, if the null is needed, then use the writeChars method.

Parameters

value	The vector of bytes to write.

Exceptions

IOException *(p. 2210)*	if an I/O error is encountered.

6.292.3.4 virtual void decaf::io::DataOutput::writeChar (char *value*) throw (decaf::io::IOException) [pure virtual]

Writes out a char to the underlying output stream as a one byte value If no exception is thrown, the counter written is incremented by 1.

Parameters

value	The signed char value to write.

Exceptions

IOException (p. *2210*)	if an I/O error is encountered.

6.292.3.5 virtual void decaf::io::DataOutput::writeChars (const std::string & *value*) throw (decaf::io::IOException) [pure virtual]

Writes a string to the underlying output stream as a sequence of characters.

Each character is written to the data output stream as if by the writeChar method. If no exception is thrown, the counter written is incremented by the length of value. The trailing NULL character is written by this method.

Parameters

value	The string value to write as raw bytes.

Exceptions

IOException (p. *2210*)	if an I/O error is encountered.

6.292.3.6 virtual void decaf::io::DataOutput::writeDouble (double *value*) throw (decaf::io::IOException) [pure virtual]

Converts the double argument to a long using the doubleToLongBits method in class Double, and then writes that long value to the underlying output stream as an 8-byte quantity, high byte first.

If no exception is thrown, the counter written is incremented by 8.

Parameters

value	The 64bit double value to write.

Exceptions

IOException (p. *2210*)	if an I/O error is encountered.

6.292.3.7 virtual void decaf::io::DataOutput::writeFloat (float *value*) throw (decaf::io::IOException) [pure virtual]

Converts the float argument to an int using the floatToIntBits method in class Float, and then writes that int value to the underlying output stream as a 4-byte quantity, high byte first.

If no exception is thrown, the counter written is incremented by 4.

Parameters

value	The 32bit floating point value to write.

Exceptions

IOException *(p. 2210)*	if an I/O error is encountered.

6.292.3.8 virtual void decaf::io::DataOutput::writeInt (int *value*) throw (decaf::io::IOException) [pure virtual]

Writes an int to the underlying output stream as four bytes, high byte first.

If no exception is thrown, the counter written is incremented by 4.

Parameters

value	The signed integer value to write.

Exceptions

IOException *(p. 2210)*	if an I/O error is encountered.

6.292.3.9 virtual void decaf::io::DataOutput::writeLong (long long *value*) throw (decaf::io::IOException) [pure virtual]

Writes an 64 bit long to the underlying output stream as eight bytes, high byte first.

If no exception is thrown, the counter written is incremented by 8.

Parameters

value	The signed 64bit long value to write.

Exceptions

IOException *(p. 2210)*	if an I/O error is encountered.

6.292.3.10 virtual void decaf::io::DataOutput::writeShort (short *value*) throw (decaf::io::IOException) [pure virtual]

Writes a short to the underlying output stream as two bytes, high byte first.

If no exception is thrown, the counter written is incremented by 2.

Parameters

value	The signed short value to write.

Exceptions

IOException (p. *2210*)	if an I/O error is encountered.

6.292.3.11 virtual void decaf::io::DataOutput::writeUnsignedShort (unsigned short *value*) throw (decaf::io::IOException) [pure virtual]

Writes a unsigned short to the bytes message stream as a 2 byte value.

Parameters

value	The unsigned short to write to the stream.

Exceptions

IOException (p. *2210*)	if an I/O error is encountered.

6.292.3.12 virtual void decaf::io::DataOutput::writeUTF (const std::string & *value*) throw (decaf::io::IOException, decaf::io::UTFDataFormatException) [pure virtual]

Writes out the string to the underlying output stream as a modeified UTF-8 encoded sequence of bytes.

The first two bytes written are indicate its encoded length followed by the rest of the string's characters encoded as modified UTF-8. The length represent the encoded length of the data not the actual length of the string.

Parameters

value	The string value value to write as modified UTF-8.

Exceptions

IOException (p. *2210*)	if an I/O error is encountered.
UTFDataFormatException (p. *4078*)	if the encoded size if greater than 65535

The documentation for this class was generated from the following file:

- src/main/decaf/io/**DataOutput.h**

6.293 decaf::io::DataOutputStream Class Reference

A data output stream lets an application write primitive Java data types to an output stream in a portable way.

`#include <src/main/decaf/io/DataOutputStream.h>`

Inheritance diagram for decaf::io::DataOutputStream:

Public Member Functions

- **DataOutputStream** (**OutputStream** ∗**outputStream**, bool **own**=false)

  Creates a new data output stream to write data to the specified underlying output stream.

- virtual ∼**DataOutputStream** ()
- virtual long long **size** () const

  Returns the current value of the counter written, the number of bytes written to this data output stream so far.

- virtual void **writeBoolean** (bool value) throw (IOException)
- virtual void **writeByte** (unsigned char value) throw (IOException)
- virtual void **writeShort** (short value) throw (IOException)
- virtual void **writeUnsignedShort** (unsigned short value) throw (IOException)
- virtual void **writeChar** (char value) throw (IOException)
- virtual void **writeInt** (int value) throw (IOException)
- virtual void **writeLong** (long long value) throw (IOException)
- virtual void **writeFloat** (float value) throw (IOException)

- virtual void **writeDouble** (double value) throw (IOException)

- virtual void **writeBytes** (const std::string &value) throw (IOException)

- virtual void **writeChars** (const std::string &value) throw (IOException)

- virtual void **writeUTF** (const std::string &value) throw (IOException, UTF-DataFormatException)

Protected Member Functions

- virtual void **doWriteByte** (unsigned char value) throw (decaf::io::IOException)
- virtual void **doWriteArrayBounded** (const unsigned char ∗**buffer**, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Protected Attributes

- long long **written**
- unsigned char **buffer** [8]

6.293.1 Detailed Description

A data output stream lets an application write primitive Java data types to an output stream in a portable way. An application can then use a data input stream to read the data back in.

6.293.2 Constructor & Destructor Documentation

6.293.2.1 decaf::io::DataOutputStream::DataOutputStream (OutputStream ∗ *outputStream*, bool *own* = `false`)

Creates a new data output stream to write data to the specified underlying output stream.

Parameters

output-Stream	a stream to wrap with this one.
own	true if this objects owns the stream that it wraps.

6.293.2.2 virtual decaf::io::DataOutputStream::~DataOutputStream ( ) [virtual]

6.293.3 Member Function Documentation

6.293.3.1 virtual void decaf::io::DataOutputStream::doWriteArrayBounded (const unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) [protected, virtual]

Reimplemented from **decaf::io::FilterOutputStream** (p. 1960).

6.293.3.2 virtual void decaf::io::DataOutputStream::doWriteByte (unsigned char *value*) throw (**decaf::io::IOException**) [protected, virtual]

Reimplemented from **decaf::io::FilterOutputStream** (p. 1960).

6.293.3.3 virtual long long decaf::io::DataOutputStream::size ( ) const [inline, virtual]

Returns the current value of the counter written, the number of bytes written to this data output stream so far.

If the counter overflows, it will be wrapped to **decaf::lang::Long::MAX_VALUE** (p. 2510).

Returns

the value of the written field.

6.293.3.4 virtual void decaf::io::DataOutputStream::writeBoolean (bool *value*) throw (IOException) [virtual]

6.293.3.5 virtual void decaf::io::DataOutputStream::writeByte (unsigned char *value*) throw (IOException) [virtual]

6.293.3.6 virtual void decaf::io::DataOutputStream::writeBytes (const std::string & *value*) throw (IOException) [virtual]

6.293.3.7 virtual void decaf::io::DataOutputStream::writeChar (char *value*) throw (IOException) [virtual]

6.293.3.8 virtual void decaf::io::DataOutputStream::writeChars (const std::string & *value*) throw (IOException) [virtual]

6.293.3.9 virtual void decaf::io::DataOutputStream::writeDouble (double *value*) throw (IOException) [virtual]

6.293.3.10 virtual void decaf::io::DataOutputStream::writeFloat (float *value*) throw (IOException) [virtual]

6.293.3.11 virtual void decaf::io::DataOutputStream::writeInt (int *value*) throw (IOException) [virtual]

6.293.3.12 virtual void decaf::io::DataOutputStream::writeLong (long long *value*) throw (IOException) [virtual]

6.293.3.13 virtual void decaf::io::DataOutputStream::writeShort (short *value*) throw (IOException) [virtual]

6.293.3.14 virtual void decaf::io::DataOutputStream::writeUnsignedShort (unsigned short *value*) throw (IOException) [virtual]

6.293.3.15 virtual void decaf::io::DataOutputStream::writeUTF (const std::string & *value*) throw (IOException, UTFDataFormatException) [virtual]

6.293.4 Field Documentation

6.293.4.1 unsigned char decaf::io::DataOutputStream::buffer[8] [protected]

6.293.4.2 long long decaf::io::DataOutputStream::written [protected]

The documentation for this class was generated from the following file:

- src/main/decaf/io/**DataOutputStream.h**

6.294 activemq::commands::DataResponse Class Reference

`#include <src/main/activemq/commands/DataResponse.h>`

Inheritance diagram for activemq::commands::DataResponse:

Public Member Functions

- **DataResponse** ()
- virtual ~**DataResponse** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **DataResponse** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **DataStructure** > & **getData** () const
- virtual **Pointer**< **DataStructure** > & **getData** ()
- virtual void **setData** (const **Pointer**< **DataStructure** > &**data**)

Static Public Attributes

- static const unsigned char **ID_DATARESPONSE** = 32

Protected Attributes

- **Pointer**< **DataStructure** > **data**

6.294.1 Constructor & Destructor Documentation

6.294.1.1 activemq::commands::DataResponse::DataResponse ( )

6.294.1.2 virtual activemq::commands::DataResponse::~DataResponse ( ) [virtual]

6.294.2 Member Function Documentation

6.294.2.1 virtual DataResponse* activemq::commands::DataResponse::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::Response** (p. 3380).

6.294.2.2 virtual void activemq::commands::DataResponse::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::Response** (p. 3380).

6.294.2.3 virtual bool activemq::commands::DataResponse::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::Response** (p. 3381).

6.294.2.4 virtual Pointer<DataStructure>& activemq::commands::DataResponse::getData ( ) [virtual]

6.294.2.5 virtual const Pointer<DataStructure>& activemq::commands::DataResponse::getData ( ) const [virtual]

6.294.2.6 virtual unsigned char activemq::commands::DataResponse::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::Response** (p. 3381).

6.294.2.7 virtual void activemq::commands::DataResponse::setData (const Pointer< DataStructure > & *data*) [virtual]

6.294.2.8 virtual std::string activemq::commands::DataResponse::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::Response** (p. 3382).

6.294.3 Field Documentation

6.294.3.1 Pointer<DataStructure> activemq::commands::DataResponse::data [protected]

6.294.3.2 const unsigned char activemq::commands::DataResponse::ID_DATARESPONSE = 32 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**DataResponse.h**

6.295 activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1635).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/DataResponseMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller:

Public Member Functions

- **DataResponseMarshaller** ()
- virtual ∼**DataResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.295.1 Detailed Description

Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1635). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.295.2 Constructor & Destructor Documentation

6.295.2.1 activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller::DataResponseMarshaller ( ) [inline]

6.295.2.2 virtual activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller::~DataResponseMarshaller ( ) [inline, virtual]

6.295.3 Member Function Documentation

6.295.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400).

6.295.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400).

6.295.3.3 virtual void activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400).

6.295.3.4 virtual void activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3401).

6.295.3.5 virtual int activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3402).

6.295.3.6 virtual void activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3402).

6.295.3.7 virtual void activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3403).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**DataResponseMarshaller.h**

6.296 activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1639).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/DataResponseMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller:

Public Member Functions

- **DataResponseMarshaller** ()
- virtual ∼**DataResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.296.1 Detailed Description

Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1639). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.296.2 Constructor & Destructor Documentation

6.296.2.1 activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller::DataResponseMarshaller ( ) [inline]

6.296.2.2 virtual activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller::∼DataResponseMarshaller ( ) [inline, virtual]

6.296.3 Member Function Documentation

6.296.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415).

6.296.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415).

6.296.3.3 virtual void activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415).

6.296.3.4 virtual void activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3416).

6.296.3.5 virtual int activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3417).

6.296.3.6 virtual void activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3417).

6.296.3.7 virtual void activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3418).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**DataResponseMarshaller.h**

6.297 activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1643).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/DataResponseMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller:

Public Member Functions

- **DataResponseMarshaller** ()
- virtual ~**DataResponseMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.297.1 Detailed Description

Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1643). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.297.2 Constructor & Destructor Documentation

6.297.2.1 activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller::DataResponseMarshaller ( ) [inline]

6.297.2.2 virtual activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller::∼DataResponseMarshaller ( ) [inline, virtual]

6.297.3 Member Function Documentation

6.297.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395).

6.297.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395).

6.297.3.3 virtual void activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395).

6.297.3.4 virtual void activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3396).

6.297.3.5 virtual int activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3397).

6.297.3.6 virtual void activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3397).

6.297.3.7 virtual void activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3398).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**DataResponseMarshaller.h**

6.298 activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1647).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/DataResponseMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller:

Public Member Functions

- **DataResponseMarshaller** ()
- virtual ∼**DataResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.298.1 Detailed Description

Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1647). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.298.2 Constructor & Destructor Documentation

6.298.2.1 activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller::DataResponseMarshaller ( ) [inline]

6.298.2.2 virtual activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller::~DataResponseMarshaller ( ) [inline, virtual]

6.298.3 Member Function Documentation

6.298.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405).

6.298.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405).

6.298.3.3 virtual void activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405).

6.298.3.4 virtual void activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3406).

6.298.3.5 virtual int activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3407).

6.298.3.6 virtual void activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3407).

6.298.3.7 virtual void activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3408).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**DataResponseMarshaller.h**

6.299 activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1652).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/DataResponseMarshaller.h`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller:

Public Member Functions

- **DataResponseMarshaller** ()
- virtual ∼**DataResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.299.1 Detailed Description

Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1652). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.299.2 Constructor & Destructor Documentation

6.299.2.1 activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller::DataResponseMarshaller ( ) [inline]

6.299.2.2 virtual activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller::~DataResponseMarshaller ( ) [inline, virtual]

6.299.3 Member Function Documentation

6.299.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390).

6.299.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390).

6.299.3.3 virtual void activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390).

6.299.3.4 virtual void activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3391).

6.299.3.5 virtual int activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3392).

6.299.3.6 virtual void activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3392).

6.299.3.7 virtual void activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3393).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**DataResponseMarshaller.h**

6.300 activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1656).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/DataResponseMarshaller.h`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller:

Public Member Functions

- **DataResponseMarshaller** ()
- virtual ∼**DataResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.300.1 Detailed Description

Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1656). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.300.2 Constructor & Destructor Documentation

6.300.2.1 activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller::DataResponseMarshaller ( ) [inline]

6.300.2.2 virtual activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller::∼DataResponseMarshaller ( ) [inline, virtual]

6.300.3 Member Function Documentation

6.300.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410).

6.300.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410).

6.300.3.3 virtual void activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410).

6.300.3.4 virtual void activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3411).

6.300.3.5 virtual int activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3412).

6.300.3.6 virtual void activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3412).

6.300.3.7 virtual void activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3413).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**DataResponseMarshaller.h**

6.301 activemq::wireformat::openwire::marshal::DataStreamMarshaller Class Reference

Base class for all classes that marshal commands for Openwire.

`#include <src/main/activemq/wireformat/openwire/marshal/DataStreamMarshaller.h>`

Inheritance diagram for activemq::wireformat::openwire::marshal::DataStreamMarshaller:

Public Member Functions

- virtual ~**DataStreamMarshaller** ()

- virtual unsigned char **getDataStructureType** () const =0

  Gets the DataStructureType that this class marshals/unmarshals.

- virtual **commands::DataStructure** ∗ **createObject** () const =0

  Creates a new instance of the class that this class is a marshaling director for.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗format, **commands::DataStructure** ∗command, **utils::BooleanStream** ∗bs)=0 throw (decaf::io::IOException)

  Tight Marhsal to the given stream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗format, **commands::DataStructure** ∗command, **decaf::io::DataOutputStream** ∗ds, **utils::BooleanStream** ∗bs)=0 throw (decaf::io::IOException)

  Tight Marhsal to the given stream.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗format, **commands::DataStructure** ∗command, **decaf::io::DataInputStream** ∗dis, **utils::BooleanStream** ∗bs)=0 throw (decaf::io::IOException)

  Tight Un-marhsal to the given stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗format, **commands::DataStructure** ∗command, **decaf::io::DataOutputStream** ∗ds)=0 throw (decaf::io::IOException)

  Tight Marhsal to the given stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗format, **commands::DataStructure** ∗command, **decaf::io::DataInputStream** ∗dis)=0 throw (decaf::io::IOException)

  Loose Un-marhsal to the given stream.

6.301.1 Detailed Description

Base class for all classes that marshal commands for Openwire.

6.301.2 Constructor & Destructor Documentation

6.301.2.1 virtual activemq::wireformat::openwire::marshal::DataStreamMarshaller::∼DataStreamMarshaller ( ) [inline, virtual]

6.301.3 Member Function Documentation

6.301.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::DataStreamMarshaller::createObject ( ) const [pure virtual]

Creates a new instance of the class that this class is a marshaling director for.

Returns

newly allocated Command

Implemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 195), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 240), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 370), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 398), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 446), **activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller** (p. 492), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 558), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 616), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 651), **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 681), **activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller** (p. 711), **activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller** (p. 887), **activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller** (p. 920), **activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller** (p. 1316), **activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller** (p. 1350), **activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller** (p. 1382), **activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller** (p. 1414), **activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller** (p. 1461), **activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller** (p. 1490), **activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller** (p. 1524), **activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller** (p. 1553), **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1589), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1657), **activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller** (p. 1798), **activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller** (p. 1832), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1920), **activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller** (p. 2020), **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2181), **activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller** (p. 2249), **activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller** (p. 2278), **activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller** (p. 2301), **activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller** (p. 2332), **activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller** (p. 2361), **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2396), **activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller** (p. 2447), **activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller** (p. 2667), **activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller** (p. 2709), **activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller** (p. 2739), **activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller** (p. 2776), **activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller** (p. 2847), **activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller** (p. 2902), **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3029), **activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller** (p. 3151), **activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller** (p. 3182), **activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller** (p. 3200), **activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller** (p. 3302),

activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller (p. 3319), **activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller** (p. 3352), **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410), **activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller** (p. 3502), **activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller** (p. 3518), **activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller** (p. 3586), **activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller** (p. 3792), **activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller** (p. 3969), **activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller** (p. 4122), **activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller** (p. 4161), **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 203), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 257), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 383), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 411), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 459), **activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller** (p. 505), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 571), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 629), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 659), **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 694), **activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller** (p. 724), **activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller** (p. 899), **activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller** (p. 933), **activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller** (p. 1329), **activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller** (p. 1337), **activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller** (p. 1370), **activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller** (p. 1401), **activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller** (p. 1448), **activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller** (p. 1478), **activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller** (p. 1511), **activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller** (p. 1541), **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1576), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1644), **activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller** (p. 1786), **activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller** (p. 1820), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1903), **activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller** (p. 2007), **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2168), **activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller** (p. 2233), **activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller** (p. 2262), **activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller** (p. 2285), **activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller** (p. 2316), **activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller** (p. 2344), **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2383), **activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller** (p. 2430), **activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller** (p. 2654), **activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller** (p. 2692), **activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller** (p. 2726), **activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller** (p. 2756), **activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller** (p. 2830),

activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller (p. 2882), **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3011), **activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller** (p. 3130), **activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller** (p. 3162), **activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller** (p. 3196), **activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller** (p. 3289), **activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller** (p. 3328), **activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller** (p. 3357), **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395), **activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller** (p. 3482), **activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller** (p. 3527), **activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller** (p. 3581), **activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller** (p. 3808), **activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller** (p. 3986), **activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller** (p. 4114), **activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller** (p. 4152), **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 191), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 236), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 366), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 394), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 442), **activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller** (p. 488), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 554), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 612), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 642), **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 673), **activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller** (p. 702), **activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller** (p. 879), **activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller** (p. 912), **activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller** (p. 1308), **activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller** (p. 1341), **activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller** (p. 1374), **activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller** (p. 1405), **activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller** (p. 1452), **activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller** (p. 1482), **activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller** (p. 1515), **activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller** (p. 1545), **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1580), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1649), **activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller** (p. 1790), **activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller** (p. 1824), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1907), **activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller** (p. 2011), **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2172), **activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller** (p. 2241), **activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller** (p. 2266), **activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller** (p. 2289), **activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller** (p. 2320), **activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller** (p. 2348), **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller**

(p. 2379), **activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller** (p. 2434), **activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller** (p. 2658), **activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller** (p. 2696), **activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller** (p. 2730), **activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller** (p. 2768), **activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller** (p. 2838), **activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller** (p. 2894), **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3020), **activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller** (p. 3138), **activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller** (p. 3170), **activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller** (p. 3208), **activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller** (p. 3297), **activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller** (p. 3323), **activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller** (p. 3361), **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405), **activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller** (p. 3498), **activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller** (p. 3522), **activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller** (p. 3594), **activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller** (p. 3788), **activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller** (p. 3974), **activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller** (p. 4126), **activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller** (p. 4165), **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 199), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 244), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 374), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 402), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 450), **activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller** (p. 496), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 563), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 621), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 646), **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 677), **activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller** (p. 707), **activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller** (p. 883), **activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller** (p. 916), **activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller** (p. 1312), **activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller** (p. 1346), **activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller** (p. 1378), **activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller** (p. 1409), **activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller** (p. 1456), **activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller** (p. 1486), **activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller** (p. 1519), **activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller** (p. 1549), **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1584), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1653), **activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller** (p. 1794), **activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller** (p. 1828), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1916), **activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller** (p. 2016), **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2177),

activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller (p. 2245), **activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller** (p. 2274), **activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller** (p. 2297), **activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller** (p. 2328), **activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller** (p. 2352), **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2392), **activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller** (p. 2443), **activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller** (p. 2662), **activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller** (p. 2704), **activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller** (p. 2734), **activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller** (p. 2760), **activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller** (p. 2842), **activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller** (p. 2898), **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller** (p. 3025), **activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller** (p. 3134), **activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller** (p. 3166), **activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller** (p. 3191), **activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller** (p. 3310), **activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller** (p. 3340), **activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller** (p. 3348), **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390), **activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller** (p. 3486), **activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller** (p. 3531), **activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller** (p. 3598), **activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller** (p. 3800), **activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller** (p. 3982), **activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller** (p. 4118), **activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller** (p. 4157), **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 208), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 249), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 378), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 407), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 454), **activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller** (p. 501), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 567), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 625), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 655), **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 685), **activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller** (p. 715), **activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller** (p. 891), **activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller** (p. 924), **activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller** (p. 1321), **activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller** (p. 1354), **activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller** (p. 1386), **activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller** (p. 1418), **activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller** (p. 1465), **activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller** (p. 1494), **activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller** (p. 1528), **activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller** (p. 1558), **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1593),

activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller (p. 1636), **activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller** (p. 1807), **activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller** (p. 1836), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1912), **activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller** (p. 2024), **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2185), **activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller** (p. 2237), **activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller** (p. 2258), **activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller** (p. 2305), **activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller** (p. 2324), **activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller** (p. 2356), **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2388), **activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller** (p. 2439), **activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller** (p. 2671), **activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller** (p. 2700), **activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller** (p. 2743), **activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller** (p. 2764), **activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller** (p. 2834), **activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller** (p. 2890), **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3016), **activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller** (p. 3142), **activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller** (p. 3174), **activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller** (p. 3204), **activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller** (p. 3306), **activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller** (p. 3336), **activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller** (p. 3369), **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400), **activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller** (p. 3494), **activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller** (p. 3514), **activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller** (p. 3590), **activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller** (p. 3796), **activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller** (p. 3965), **activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller** (p. 4106), **activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller** (p. 4169), **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 212), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 253), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 387), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 415), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 463), **activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller** (p. 509), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 575), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 633), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 663), **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 690), **activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller** (p. 719), **activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller** (p. 895), **activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller** (p. 929), **activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller** (p. 1325), **activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller** (p. 1358), **activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller** (p. 1390),

activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller (p. 1422), **activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller** (p. 1469), **activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller** (p. 1498), **activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller** (p. 1532), **activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller** (p. 1562), **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1597), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1640), **activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller** (p. 1803), **activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller** (p. 1816), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1899), **activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller** (p. 2003), **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2164), **activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller** (p. 2229), **activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller** (p. 2270), **activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller** (p. 2293), **activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller** (p. 2312), **activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller** (p. 2339), **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller** (p. 2375), **activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller** (p. 2426), **activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller** (p. 2650), **activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller** (p. 2713), **activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller** (p. 2722), **activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller** (p. 2772), **activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller** (p. 2851), **activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller** (p. 2886), **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3007), **activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller** (p. 3147), **activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller** (p. 3178), **activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller** (p. 3213), **activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller** (p. 3293), **activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller** (p. 3332), **activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller** (p. 3365), **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415), **activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller** (p. 3490), **activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller** (p. 3510), **activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller** (p. 3577), **activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller** (p. 3804), **activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller** (p. 3978), **activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller** (p. 4110), and **activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller** (p. 4148).

6.301.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::DataStreamMarshaller::getDataStructureType ( ) const [pure virtual]

Gets the DataStructureType that this class marshals/unmarshals.

Returns

byte Id of this classes DataStructureType

Implemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 195), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 240), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 370), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 398), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 446), **activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller** (p. 492), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 559), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 617), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 651), **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 681), **activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller** (p. 711), **activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller** (p. 888), **activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller** (p. 920), **activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller** (p. 1317), **activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller** (p. 1350), **activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller** (p. 1382), **activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller** (p. 1414), **activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller** (p. 1461), **activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller** (p. 1491), **activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller** (p. 1524), **activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller** (p. 1554), **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1589), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1658), **activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller** (p. 1799), **activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller** (p. 1833), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1921), **activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller** (p. 2020), **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2181), **activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller** (p. 2249), **activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller** (p. 2278), **activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller** (p. 2301), **activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller** (p. 2333), **activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller** (p. 2361), **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2397), **activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller** (p. 2447), **activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller** (p. 2667), **activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller** (p. 2709), **activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller** (p. 2739), **activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller** (p. 2777), **activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller** (p. 2847), **activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller** (p. 2902), **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3029), **activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller** (p. 3151), **activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller** (p. 3183), **activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller** (p. 3200), **activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller** (p. 3302), **activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller** (p. 3320), **activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller** (p. 3353), **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410), **activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller** (p. 3502), **ac-**

tivemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller (p. 3518), **activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller** (p. 3586), **activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller** (p. 3792), **activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller** (p. 3970), **activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller** (p. 4122), **activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller** (p. 4161), **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 204), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 257), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 383), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 411), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 459), **activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller** (p. 505), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 571), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 629), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 659), **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 694), **activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller** (p. 724), **activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller** (p. 900), **activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller** (p. 933), **activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller** (p. 1329), **activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller** (p. 1337), **activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller** (p. 1370), **activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller** (p. 1401), **activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller** (p. 1448), **activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller** (p. 1478), **activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller** (p. 1511), **activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller** (p. 1541), **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1576), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1645), **activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller** (p. 1786), **activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller** (p. 1821), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1903), **activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller** (p. 2007), **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2168), **activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller** (p. 2233), **activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller** (p. 2262), **activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller** (p. 2285), **activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller** (p. 2317), **activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller** (p. 2344), **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2384), **activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller** (p. 2430), **activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller** (p. 2654), **activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller** (p. 2692), **activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller** (p. 2726), **activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller** (p. 2757), **activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller** (p. 2830), **activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller** (p. 2882), **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3011), **activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller** (p. 3130), **activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller** (p. 3163),

activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller (p. 3196), **activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller** (p. 3289), **activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller** (p. 3328), **activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller** (p. 3357), **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395), **activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller** (p. 3482), **activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller** (p. 3527), **activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller** (p. 3582), **activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller** (p. 3808), **activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller** (p. 3987), **activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller** (p. 4114), **activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller** (p. 4153), **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 191), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 236), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 366), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 394), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 442), **activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller** (p. 488), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 554), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 613), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 643), **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 673), **activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller** (p. 703), **activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller** (p. 879), **activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller** (p. 912), **activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller** (p. 1308), **activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller** (p. 1342), **activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller** (p. 1374), **activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller** (p. 1405), **activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller** (p. 1452), **activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller** (p. 1482), **activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller** (p. 1515), **activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller** (p. 1545), **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1580), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1649), **activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller** (p. 1790), **activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller** (p. 1825), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1908), **activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller** (p. 2012), **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2173), **activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller** (p. 2241), **activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller** (p. 2266), **activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller** (p. 2289), **activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller** (p. 2321), **activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller** (p. 2348), **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller** (p. 2379), **activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller** (p. 2435), **activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller** (p. 2658), **activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller** (p. 2696), **activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller**

(p. 2730), **activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller** (p. 2769), **activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller** (p. 2838), **activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller** (p. 2894), **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3020), **activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller** (p. 3138), **activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller** (p. 3171), **activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller** (p. 3209), **activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller** (p. 3298), **activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller** (p. 3324), **activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller** (p. 3361), **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405), **activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller** (p. 3498), **activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller** (p. 3523), **activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller** (p. 3594), **activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller** (p. 3788), **activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller** (p. 3974), **activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller** (p. 4126), **activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller** (p. 4165), **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 199), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 245), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 374), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 403), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 450), **activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller** (p. 497), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 563), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 621), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 647), **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 677), **activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller** (p. 707), **activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller** (p. 883), **activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller** (p. 916), **activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller** (p. 1312), **activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller** (p. 1346), **activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller** (p. 1378), **activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller** (p. 1410), **activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller** (p. 1457), **activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller** (p. 1487), **activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller** (p. 1520), **activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller** (p. 1549), **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1585), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1653), **activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller** (p. 1794), **activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller** (p. 1829), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1916), **activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller** (p. 2016), **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2177), **activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller** (p. 2245), **activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller** (p. 2274), **activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller** (p. 2297), **activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller** (p. 2329),

activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller (p. 2352), **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2392), **activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller** (p. 2443), **activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller** (p. 2663), **activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller** (p. 2705), **activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller** (p. 2735), **activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller** (p. 2761), **activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller** (p. 2843), **activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller** (p. 2898), **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller** (p. 3025), **activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller** (p. 3134), **activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller** (p. 3167), **activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller** (p. 3192), **activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller** (p. 3310), **activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller** (p. 3341), **activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller** (p. 3348), **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390), **activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller** (p. 3486), **activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller** (p. 3531), **activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller** (p. 3599), **activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller** (p. 3800), **activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller** (p. 3982), **activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller** (p. 4118), **activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller** (p. 4157), **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 208), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 249), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 379), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 407), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 455), **activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller** (p. 501), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 567), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 625), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 655), **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 686), **activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller** (p. 715), **activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller** (p. 892), **activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller** (p. 925), **activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller** (p. 1321), **activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller** (p. 1354), **activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller** (p. 1386), **activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller** (p. 1418), **activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller** (p. 1465), **activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller** (p. 1495), **activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller** (p. 1528), **activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller** (p. 1558), **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1593), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1636), **activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller** (p. 1807), **activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller** (p. 1837), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1912),

activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller (p. 2024), **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2186), **activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller** (p. 2237), **activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller** (p. 2258), **activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller** (p. 2305), **activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller** (p. 2325), **activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller** (p. 2357), **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2388), **activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller** (p. 2439), **activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller** (p. 2671), **activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller** (p. 2700), **activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller** (p. 2743), **activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller** (p. 2765), **activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller** (p. 2834), **activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller** (p. 2890), **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3016), **activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller** (p. 3143), **activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller** (p. 3175), **activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller** (p. 3204), **activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller** (p. 3306), **activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller** (p. 3336), **activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller** (p. 3370), **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400), **activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller** (p. 3494), **activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller** (p. 3514), **activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller** (p. 3590), **activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller** (p. 3796), **activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller** (p. 3966), **activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller** (p. 4106), **activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller** (p. 4170), **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 212), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 253), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 387), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 415), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 463), **activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller** (p. 509), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 576), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 634), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 664), **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 690), **activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller** (p. 720), **activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller** (p. 896), **activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller** (p. 929), **activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller** (p. 1325), **activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller** (p. 1359), **activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller** (p. 1390), **activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller** (p. 1422), **activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller** (p. 1469), **activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller** (p. 1499), **activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller** (p. 1532),

activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller (p. 1562), **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1598), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1640), **activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller** (p. 1803), **activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller** (p. 1816), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1899), **activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller** (p. 2003), **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2164), **activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller** (p. 2229), **activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller** (p. 2270), **activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller** (p. 2293), **activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller** (p. 2313), **activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller** (p. 2340), **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller** (p. 2375), **activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller** (p. 2426), **activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller** (p. 2650), **activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller** (p. 2713), **activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller** (p. 2722), **activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller** (p. 2773), **activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller** (p. 2851), **activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller** (p. 2886), **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3007), **activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller** (p. 3147), **activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller** (p. 3179), **activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller** (p. 3213), **activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller** (p. 3293), **activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller** (p. 3332), **activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller** (p. 3365), **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415), **activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller** (p. 3490), **activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller** (p. 3510), **activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller** (p. 3577), **activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller** (p. 3804), **activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller** (p. 3978), **activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller** (p. 4110), and **activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller** (p. 4149).

6.301.3.3 virtual void activemq::wireformat::openwire::marshal::DataStreamMarshaller::looseMarshal (OpenWireFormat * *format*, commands::DataStructure * *command*, decaf::io::DataOutputStream * *ds*) throw (decaf::io::IOException)

`[pure virtual]`

Tight Marhsal to the given stream.

Parameters

format	- The OpenwireFormat properties
command	- the object to Marshal
ds	- DataOutputStream to marshal to

Exceptions

IOException	if an error occurs.

Implemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 195), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 241), **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 329), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 370), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 399), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 446), **activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller** (p. 493), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 559), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 588), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 617), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 651), **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 682), **activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller** (p. 711), **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787), **activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller** (p. 888), **activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller** (p. 921), **activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller** (p. 1317), **activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller** (p. 1350), **activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller** (p. 1382), **activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller** (p. 1414), **activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller** (p. 1461), **activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller** (p. 1491), **activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller** (p. 1524), **activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller** (p. 1554), **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1589), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1658), **activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller** (p. 1799), **activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller** (p. 1833), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1921), **activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller** (p. 2020), **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2182), **activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller** (p. 2249), **activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller** (p. 2278), **activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller** (p. 2301), **activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller** (p. 2333), **activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller** (p. 2361), **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2397), **activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller** (p. 2448), **activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller** (p. 2667), **activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller** (p. 2709), **activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller** (p. 2739), **activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller** (p. 2777), **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2799), **activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller** (p. 2847), **activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller** (p. 2902), **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3030),

activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller (p. 3151), **activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller** (p. 3183), **activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller** (p. 3200), **activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller** (p. 3302), **activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller** (p. 3320), **activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller** (p. 3353), **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410), **activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller** (p. 3502), **activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller** (p. 3519), **activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller** (p. 3586), **activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller** (p. 3792), **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3941), **activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller** (p. 3970), **activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller** (p. 4122), **activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller** (p. 4161), **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 204), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 258), **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 341), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 383), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 411), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 459), **activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller** (p. 505), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 572), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 600), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 630), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 660), **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 694), **activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller** (p. 724), **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808), **activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller** (p. 900), **activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller** (p. 933), **activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller** (p. 1330), **activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller** (p. 1338), **activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller** (p. 1370), **activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller** (p. 1401), **activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller** (p. 1448), **activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller** (p. 1479), **activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller** (p. 1511), **activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller** (p. 1541), **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1576), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1645), **activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller** (p. 1786), **activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller** (p. 1821), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1904), **activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller** (p. 2008), **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2169), **activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller** (p. 2233), **activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller** (p. 2262), **activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller** (p. 2285), **activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller** (p. 2317),

activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller (p. 2344), **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2384), **activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller** (p. 2431), **activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller** (p. 2654), **activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller** (p. 2692), **activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller** (p. 2726), **activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller** (p. 2757), **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2790), **activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller** (p. 2830), **activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller** (p. 2882), **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3012), **activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller** (p. 3130), **activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller** (p. 3163), **activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller** (p. 3196), **activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller** (p. 3289), **activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller** (p. 3328), **activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller** (p. 3357), **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395), **activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller** (p. 3482), **activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller** (p. 3527), **activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller** (p. 3582), **activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller** (p. 3808), **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3945), **activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller** (p. 3987), **activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller** (p. 4114), **activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller** (p. 4153), **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 191), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 236), **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 325), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 366), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 394), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 442), **activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller** (p. 488), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 555), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 584), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 613), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 643), **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 673), **activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller** (p. 703), **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772), **activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller** (p. 880), **activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller** (p. 912), **activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller** (p. 1308), **activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller** (p. 1342), **activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller** (p. 1374), **activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller** (p. 1406), **activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller** (p. 1453), **activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller** (p. 1483), **activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller** (p. 1516), **activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller** (p. 1545),

activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller (p. 1581), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1649), **activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller** (p. 1790), **activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller** (p. 1825), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1908), **activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller** (p. 2012), **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2173), **activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller** (p. 2241), **activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller** (p. 2266), **activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller** (p. 2289), **activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller** (p. 2321), **activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller** (p. 2348), **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller** (p. 2380), **activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller** (p. 2435), **activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller** (p. 2659), **activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller** (p. 2696), **activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller** (p. 2731), **activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller** (p. 2769), **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786), **activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller** (p. 2839), **activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller** (p. 2894), **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3021), **activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller** (p. 3139), **activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller** (p. 3171), **activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller** (p. 3209), **activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller** (p. 3298), **activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller** (p. 3324), **activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller** (p. 3361), **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405), **activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller** (p. 3498), **activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller** (p. 3523), **activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller** (p. 3595), **activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller** (p. 3788), **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3949), **activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller** (p. 3974), **activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller** (p. 4126), **activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller** (p. 4166), **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 200), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 245), **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 333), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 375), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 403), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 451), **activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller** (p. 497), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 563), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 592), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 621), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 647), **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 677), **activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller**

(p. 707), **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780), **activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller** (p. 884), **activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller** (p. 916), **activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller** (p. 1313), **activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller** (p. 1346), **activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller** (p. 1378), **activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller** (p. 1410), **activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller** (p. 1457), **activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller** (p. 1487), **activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller** (p. 1520), **activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller** (p. 1550), **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1585), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1654), **activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller** (p. 1795), **activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller** (p. 1829), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1917), **activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller** (p. 2016), **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2177), **activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller** (p. 2245), **activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller** (p. 2274), **activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller** (p. 2297), **activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller** (p. 2329), **activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller** (p. 2353), **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2393), **activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller** (p. 2443), **activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller** (p. 2663), **activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller** (p. 2705), **activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller** (p. 2735), **activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller** (p. 2761), **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795), **activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller** (p. 2843), **activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller** (p. 2898), **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller** (p. 3025), **activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller** (p. 3134), **activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller** (p. 3167), **activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller** (p. 3192), **activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller** (p. 3311), **activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller** (p. 3341), **activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller** (p. 3349), **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390), **activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller** (p. 3486), **activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller** (p. 3531), **activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller** (p. 3599), **activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller** (p. 3800), **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3953), **activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller** (p. 3983), **activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller** (p. 4118), **activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller** (p. 4157), **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 208), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller**

(p. 249), **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 337), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 379), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 407), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 455), **activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller** (p. 501), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 567), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 596), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 625), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 655), **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 686), **activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller** (p. 716), **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794), **activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller** (p. 892), **activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller** (p. 925), **activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller** (p. 1321), **activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller** (p. 1355), **activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller** (p. 1386), **activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller** (p. 1418), **activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller** (p. 1465), **activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller** (p. 1495), **activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller** (p. 1528), **activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller** (p. 1558), **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1594), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1636), **activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller** (p. 1807), **activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller** (p. 1837), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1912), **activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller** (p. 2025), **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2186), **activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller** (p. 2237), **activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller** (p. 2258), **activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller** (p. 2305), **activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller** (p. 2325), **activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller** (p. 2357), **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2388), **activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller** (p. 2439), **activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller** (p. 2671), **activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller** (p. 2701), **activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller** (p. 2743), **activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller** (p. 2765), **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2781), **activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller** (p. 2834), **activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller** (p. 2890), **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3016), **activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller** (p. 3143), **activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller** (p. 3175), **activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller** (p. 3205), **activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller** (p. 3306), **activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller** (p. 3337), **activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller**

(p. 3370), **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400), **activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller** (p. 3494), **activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller** (p. 3514), **activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller** (p. 3590), **activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller** (p. 3796), **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3937), **activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller** (p. 3966), **activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller** (p. 4106), **activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller** (p. 4170), **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 212), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 253), **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 345), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 387), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 416), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 463), **activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller** (p. 510), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 576), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 604), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 634), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 664), **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 690), **activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller** (p. 720), **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801), **activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller** (p. 896), **activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller** (p. 929), **activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller** (p. 1325), **activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller** (p. 1359), **activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller** (p. 1390), **activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller** (p. 1423), **activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller** (p. 1470), **activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller** (p. 1499), **activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller** (p. 1533), **activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller** (p. 1562), **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1598), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1641), **activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller** (p. 1803), **activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller** (p. 1817), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1899), **activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller** (p. 2003), **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2164), **activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller** (p. 2229), **activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller** (p. 2270), **activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller** (p. 2293), **activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller** (p. 2313), **activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller** (p. 2340), **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller** (p. 2375), **activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller** (p. 2426), **activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller** (p. 2650), **activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller** (p. 2713), **activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller**

(p. 2722), **activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller** (p. 2773), **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804), **activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller** (p. 2851), **activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller** (p. 2886), **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3007), **activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller** (p. 3147), **activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller** (p. 3179), **activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller** (p. 3213), **activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller** (p. 3294), **activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller** (p. 3332), **activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller** (p. 3366), **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415), **activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller** (p. 3490), **activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller** (p. 3510), **activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller** (p. 3578), **activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller** (p. 3804), **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3957), **activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller** (p. 3978), **activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller** (p. 4110), and **activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller** (p. 4149).

6.301.3.4 virtual void activemq::wireformat::openwire::marshal::DataStreamMarshaller::looseUnmarshal (OpenWireFormat * *format*, commands::DataStructure * *command*, decaf::io::DataInputStream * *dis*) throw (decaf::io::IOException) [pure virtual]

Loose Un-marhsal to the given stream.

Parameters

format	- The OpenwireFormat properties
command	- the object to Un-Marshal
dis	- the DataInputStream to Un-Marshal from

Exceptions

IOException	if an error occurs.

Implemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 196), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 241), **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 329), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 371), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 399), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 447), **activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller** (p. 493), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 559), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 588), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 617), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 652), **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller**

(p. 682), **activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller** (p. 712), **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788), **activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller** (p. 888), **activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller** (p. 921), **activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller** (p. 1317), **activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller** (p. 1351), **activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller** (p. 1383), **activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller** (p. 1415), **activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller** (p. 1462), **activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller** (p. 1491), **activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller** (p. 1525), **activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller** (p. 1554), **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1590), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1658), **activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller** (p. 1799), **activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller** (p. 1833), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1921), **activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller** (p. 2021), **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2182), **activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller** (p. 2250), **activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller** (p. 2279), **activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller** (p. 2302), **activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller** (p. 2333), **activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller** (p. 2362), **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2397), **activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller** (p. 2448), **activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller** (p. 2668), **activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller** (p. 2710), **activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller** (p. 2740), **activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller** (p. 2777), **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800), **activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller** (p. 2848), **activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller** (p. 2903), **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3030), **activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller** (p. 3152), **activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller** (p. 3183), **activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller** (p. 3201), **activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller** (p. 3303), **activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller** (p. 3320), **activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller** (p. 3353), **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3411), **activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller** (p. 3503), **activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller** (p. 3519), **activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller** (p. 3587), **activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller** (p. 3793), **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3941), **activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller** (p. 3970), **activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller** (p. 4123), **activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller** (p. 4162), **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller**

(p. 204), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 258), **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 341), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 384), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 412), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 460), **activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller** (p. 506), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 572), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 600), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 630), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 660), **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 695), **activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller** (p. 725), **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809), **activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller** (p. 900), **activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller** (p. 934), **activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller** (p. 1330), **activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller** (p. 1338), **activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller** (p. 1371), **activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller** (p. 1402), **activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller** (p. 1449), **activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller** (p. 1479), **activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller** (p. 1512), **activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller** (p. 1542), **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1577), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1645), **activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller** (p. 1787), **activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller** (p. 1821), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1904), **activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller** (p. 2008), **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2169), **activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller** (p. 2234), **activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller** (p. 2263), **activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller** (p. 2286), **activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller** (p. 2317), **activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller** (p. 2345), **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2384), **activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller** (p. 2431), **activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller** (p. 2655), **activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller** (p. 2693), **activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller** (p. 2727), **activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller** (p. 2757), **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791), **activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller** (p. 2831), **activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller** (p. 2883), **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3012), **activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller** (p. 3131), **activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller** (p. 3163), **activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller** (p. 3197), **activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller** (p. 3290), **activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller**

(p. 3329), **activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller** (p. 3358), **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3396), **activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller** (p. 3483), **activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller** (p. 3528), **activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller** (p. 3582), **activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller** (p. 3809), **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3945), **activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller** (p. 3987), **activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller** (p. 4115), **activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller** (p. 4153), **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 192), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 237), **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 325), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 367), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 395), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 443), **activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller** (p. 489), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 555), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 584), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 613), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 643), **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 674), **activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller** (p. 703), **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774), **activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller** (p. 880), **activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller** (p. 913), **activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller** (p. 1309), **activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller** (p. 1342), **activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller** (p. 1375), **activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller** (p. 1406), **activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller** (p. 1453), **activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller** (p. 1483), **activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller** (p. 1516), **activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller** (p. 1546), **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1581), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1650), **activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller** (p. 1791), **activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller** (p. 1825), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1908), **activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller** (p. 2012), **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2173), **activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller** (p. 2242), **activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller** (p. 2267), **activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller** (p. 2290), **activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller** (p. 2321), **activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller** (p. 2349), **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller** (p. 2380), **activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller** (p. 2435), **activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller** (p. 2659), **activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller**

(p. 2697), **activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller** (p. 2731), **activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller** (p. 2769), **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2786), **activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller** (p. 2839), **activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller** (p. 2895), **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3021), **activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller** (p. 3139), **activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller** (p. 3171), **activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller** (p. 3209), **activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller** (p. 3298), **activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller** (p. 3324), **activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller** (p. 3362), **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3406), **activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller** (p. 3499), **activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller** (p. 3523), **activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller** (p. 3595), **activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller** (p. 3789), **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3949), **activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller** (p. 3975), **activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller** (p. 4127), **activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller** (p. 4166), **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 200), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 245), **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 333), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 375), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 403), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 451), **activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller** (p. 497), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 564), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 592), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 622), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 647), **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 678), **activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller** (p. 708), **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781), **activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller** (p. 884), **activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller** (p. 917), **activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller** (p. 1313), **activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller** (p. 1347), **activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller** (p. 1379), **activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller** (p. 1410), **activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller** (p. 1457), **activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller** (p. 1487), **activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller** (p. 1520), **activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller** (p. 1550), **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1585), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1654), **activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller** (p. 1795), **activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller** (p. 1829), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1917),

activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller (p. 2017), **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2178), **activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller** (p. 2246), **activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller** (p. 2275), **activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller** (p. 2298), **activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller** (p. 2329), **activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller** (p. 2353), **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2393), **activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller** (p. 2444), **activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller** (p. 2663), **activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller** (p. 2705), **activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller** (p. 2735), **activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller** (p. 2761), **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2795), **activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller** (p. 2843), **activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller** (p. 2899), **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller** (p. 3026), **activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller** (p. 3135), **activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller** (p. 3167), **activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller** (p. 3192), **activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller** (p. 3311), **activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller** (p. 3341), **activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller** (p. 3349), **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3391), **activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller** (p. 3487), **activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller** (p. 3532), **activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller** (p. 3599), **activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller** (p. 3801), **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3953), **activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller** (p. 3983), **activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller** (p. 4119), **activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller** (p. 4158), **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 209), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 250), **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 337), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 379), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 408), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 455), **activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller** (p. 502), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 568), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 596), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 626), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 656), **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 686), **activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller** (p. 716), **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795), **activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller** (p. 892), **activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller** (p. 925), **activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller** (p. 1322), **activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller** (p. 1355),

activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller (p. 1387), **activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller** (p. 1419), **activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller** (p. 1466), **activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller** (p. 1495), **activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller** (p. 1529), **activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller** (p. 1559), **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1594), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1637), **activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller** (p. 1808), **activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller** (p. 1837), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1913), **activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller** (p. 2025), **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2186), **activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller** (p. 2238), **activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller** (p. 2259), **activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller** (p. 2306), **activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller** (p. 2325), **activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller** (p. 2357), **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2389), **activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller** (p. 2440), **activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller** (p. 2672), **activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller** (p. 2701), **activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller** (p. 2744), **activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller** (p. 2765), **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2782), **activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller** (p. 2835), **activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller** (p. 2891), **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3017), **activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller** (p. 3143), **activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller** (p. 3175), **activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller** (p. 3205), **activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller** (p. 3307), **activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller** (p. 3337), **activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller** (p. 3370), **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3401), **activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller** (p. 3495), **activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller** (p. 3515), **activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller** (p. 3591), **activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller** (p. 3797), **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3937), **activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller** (p. 3966), **activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller** (p. 4107), **activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller** (p. 4170), **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 213), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 254), **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 345), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 388), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 416), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 464), **activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller**

(p. 510), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 576), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 604), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 634), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 664), **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 691), **activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller** (p. 720), **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802), **activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller** (p. 896), **activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller** (p. 930), **activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller** (p. 1326), **activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller** (p. 1359), **activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller** (p. 1391), **activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller** (p. 1423), **activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller** (p. 1470), **activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller** (p. 1499), **activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller** (p. 1533), **activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller** (p. 1563), **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1598), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1641), **activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller** (p. 1804), **activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller** (p. 1817), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1900), **activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller** (p. 2004), **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2165), **activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller** (p. 2230), **activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller** (p. 2271), **activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller** (p. 2294), **activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller** (p. 2313), **activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller** (p. 2340), **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller** (p. 2376), **activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller** (p. 2427), **activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller** (p. 2651), **activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller** (p. 2714), **activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller** (p. 2723), **activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller** (p. 2773), **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2804), **activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller** (p. 2852), **activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller** (p. 2887), **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3008), **activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller** (p. 3148), **activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller** (p. 3179), **activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller** (p. 3214), **activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller** (p. 3294), **activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller** (p. 3333), **activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller** (p. 3366), **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3416), **activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller** (p. 3491), **activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller** (p. 3511), **activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller** (p. 3578), **activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller** (p. 3805),

activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller (p. 3957), **activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller** (p. 3979), **activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller** (p. 4111), and **activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller** (p. 4149).

6.301.3.5 virtual int activemq::wireformat::openwire::marshal::DataStreamMarshaller::tightMarshal1 (OpenWireFormat * *format*, commands::DataStructure * *command*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [pure virtual]

Tight Marhsal to the given stream.

Parameters

format	- The OpenwireFormat properties
command	- the object to Marshal
bs	- boolean stream to marshal to.

Exceptions

IOException	if an error occurs.

Implemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 196), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 242), **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 330), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 371), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 400), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 447), **activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller** (p. 494), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 560), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 589), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 618), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 652), **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 683), **activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller** (p. 712), **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789), **activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller** (p. 889), **activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller** (p. 922), **activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller** (p. 1318), **activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller** (p. 1351), **activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller** (p. 1383), **activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller** (p. 1415), **activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller** (p. 1462), **activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller** (p. 1492), **activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller** (p. 1525), **activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller** (p. 1555), **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1590), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1659), **activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller** (p. 1800), **activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller** (p. 1834),

activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller (p. 1922), **activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller** (p. 2021), **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2182), **activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller** (p. 2250), **activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller** (p. 2279), **activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller** (p. 2302), **activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller** (p. 2334), **activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller** (p. 2362), **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2398), **activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller** (p. 2449), **activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller** (p. 2668), **activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller** (p. 2710), **activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller** (p. 2740), **activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller** (p. 2778), **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2800), **activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller** (p. 2848), **activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller** (p. 2903), **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3031), **activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller** (p. 3152), **activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller** (p. 3184), **activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller** (p. 3201), **activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller** (p. 3303), **activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller** (p. 3321), **activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller** (p. 3354), **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3412), **activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller** (p. 3503), **activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller** (p. 3520), **activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller** (p. 3587), **activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller** (p. 3793), **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3942), **activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller** (p. 3971), **activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller** (p. 4123), **activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller** (p. 4162), **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 205), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 259), **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 342), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 384), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 412), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 460), **activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller** (p. 506), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 573), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 601), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 631), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 661), **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 695), **activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller** (p. 725), **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810), **activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller** (p. 901), **activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller** (p. 934), **activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller** (p. 1331),

activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller (p. 1339), **activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller** (p. 1371), **activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller** (p. 1402), **activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller** (p. 1449), **activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller** (p. 1479), **activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller** (p. 1512), **activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller** (p. 1542), **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1577), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1646), **activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller** (p. 1787), **activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller** (p. 1822), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1905), **activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller** (p. 2009), **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2169), **activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller** (p. 2234), **activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller** (p. 2263), **activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller** (p. 2286), **activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller** (p. 2318), **activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller** (p. 2345), **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2385), **activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller** (p. 2432), **activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller** (p. 2655), **activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller** (p. 2693), **activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller** (p. 2727), **activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller** (p. 2758), **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2791), **activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller** (p. 2831), **activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller** (p. 2883), **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3013), **activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller** (p. 3131), **activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller** (p. 3164), **activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller** (p. 3197), **activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller** (p. 3290), **activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller** (p. 3329), **activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller** (p. 3358), **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3397), **activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller** (p. 3483), **activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller** (p. 3528), **activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller** (p. 3583), **activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller** (p. 3809), **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3946), **activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller** (p. 3988), **activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller** (p. 4115), **activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller** (p. 4154), **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 192), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 237), **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 326), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 367), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 395), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller**

(p. 443), **activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller** (p. 489), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 556), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 585), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 614), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 644), **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 674), **activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller** (p. 704), **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775), **activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller** (p. 880), **activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller** (p. 913), **activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller** (p. 1309), **activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller** (p. 1343), **activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller** (p. 1375), **activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller** (p. 1407), **activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller** (p. 1454), **activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller** (p. 1484), **activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller** (p. 1517), **activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller** (p. 1546), **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1581), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1650), **activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller** (p. 1791), **activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller** (p. 1826), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1909), **activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller** (p. 2013), **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2174), **activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller** (p. 2242), **activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller** (p. 2267), **activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller** (p. 2290), **activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller** (p. 2322), **activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller** (p. 2349), **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller** (p. 2381), **activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller** (p. 2436), **activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller** (p. 2660), **activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller** (p. 2697), **activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller** (p. 2732), **activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller** (p. 2770), **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2787), **activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller** (p. 2840), **activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller** (p. 2895), **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3022), **activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller** (p. 3140), **activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller** (p. 3172), **activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller** (p. 3210), **activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller** (p. 3299), **activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller** (p. 3325), **activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller** (p. 3362), **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3407), **activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller** (p. 3499), **activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller** (p. 3524), **activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller** (p. 3596),

activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller (p. 3789), **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3950), **activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller** (p. 3975), **activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller** (p. 4127), **activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller** (p. 4167), **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 201), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 246), **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 334), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 376), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 404), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 452), **activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller** (p. 498), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 564), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 593), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 622), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 648), **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 678), **activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller** (p. 708), **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782), **activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller** (p. 885), **activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller** (p. 917), **activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller** (p. 1314), **activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller** (p. 1347), **activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller** (p. 1379), **activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller** (p. 1411), **activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller** (p. 1458), **activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller** (p. 1488), **activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller** (p. 1521), **activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller** (p. 1551), **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1586), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1654), **activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller** (p. 1796), **activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller** (p. 1830), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1917), **activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller** (p. 2017), **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2178), **activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller** (p. 2246), **activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller** (p. 2275), **activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller** (p. 2298), **activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller** (p. 2330), **activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller** (p. 2354), **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2393), **activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller** (p. 2444), **activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller** (p. 2664), **activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller** (p. 2706), **activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller** (p. 2736), **activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller** (p. 2762), **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2796), **activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller** (p. 2844), **activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller** (p. 2899),

activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller (p. 3026), **activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller** (p. 3135), **activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller** (p. 3168), **activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller** (p. 3193), **activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller** (p. 3312), **activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller** (p. 3342), **activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller** (p. 3350), **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3392), **activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller** (p. 3487), **activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller** (p. 3532), **activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller** (p. 3600), **activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller** (p. 3801), **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3954), **activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller** (p. 3984), **activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller** (p. 4119), **activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller** (p. 4158), **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 209), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 250), **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 338), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 380), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 408), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 456), **activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller** (p. 502), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 568), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 597), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 626), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 656), **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 687), **activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller** (p. 717), **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796), **activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller** (p. 893), **activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller** (p. 926), **activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller** (p. 1322), **activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller** (p. 1356), **activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller** (p. 1387), **activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller** (p. 1419), **activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller** (p. 1466), **activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller** (p. 1496), **activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller** (p. 1529), **activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller** (p. 1559), **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1594), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1637), **activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller** (p. 1808), **activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller** (p. 1838), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1913), **activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller** (p. 2026), **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2187), **activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller** (p. 2238), **activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller** (p. 2259), **activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller** (p. 2306),

activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller (p. 2326), **activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller** (p. 2358), **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2389), **activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller** (p. 2440), **activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller** (p. 2672), **activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller** (p. 2702), **activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller** (p. 2744), **activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller** (p. 2766), **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783), **activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller** (p. 2835), **activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller** (p. 2891), **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3017), **activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller** (p. 3144), **activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller** (p. 3176), **activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller** (p. 3206), **activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller** (p. 3307), **activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller** (p. 3338), **activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller** (p. 3371), **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3402), **activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller** (p. 3495), **activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller** (p. 3515), **activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller** (p. 3591), **activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller** (p. 3797), **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3938), **activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller** (p. 3967), **activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller** (p. 4107), **activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller** (p. 4171), **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 213), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 254), **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 346), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 388), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 417), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 464), **activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller** (p. 511), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 577), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 605), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 635), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 665), **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 691), **activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller** (p. 721), **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803), **activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller** (p. 897), **activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller** (p. 930), **activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller** (p. 1326), **activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller** (p. 1360), **activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller** (p. 1391), **activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller** (p. 1424), **activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller** (p. 1471), **activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller** (p. 1500), **activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller** (p. 1534),

activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller (p. 1563), **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1599), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1642), **activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller** (p. 1804), **activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller** (p. 1818), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1900), **activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller** (p. 2004), **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2165), **activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller** (p. 2230), **activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller** (p. 2271), **activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller** (p. 2294), **activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller** (p. 2314), **activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller** (p. 2341), **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller** (p. 2376), **activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller** (p. 2427), **activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller** (p. 2651), **activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller** (p. 2714), **activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller** (p. 2723), **activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller** (p. 2774), **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2805), **activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller** (p. 2852), **activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller** (p. 2887), **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3008), **activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller** (p. 3148), **activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller** (p. 3180), **activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller** (p. 3214), **activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller** (p. 3295), **activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller** (p. 3333), **activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller** (p. 3367), **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3417), **activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller** (p. 3491), **activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller** (p. 3511), **activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller** (p. 3579), **activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller** (p. 3805), **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3958), **activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller** (p. 3979), **activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller** (p. 4111), and **activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller** (p. 4150).

6.301.3.6 virtual void activemq::wireformat::openwire::marshal::DataStreamMarshaller::tightMarshal2 (OpenWireFormat * *format*, commands::DataStructure * *command*, decaf::io::DataOutputStream * *ds*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) `[pure virtual]`

Tight Marhsal to the given stream.

Parameters

format	- The OpenwireFormat properties
command	- the object to Marshal

ds	- the DataOutputStream to Marshal to
bs	- boolean stream to marshal to.

Exceptions

IOException	if an error occurs.

Implemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 197), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 242), **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 330), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 372), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 400), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 448), **activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller** (p. 494), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 560), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 589), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 618), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 653), **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 683), **activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller** (p. 713), **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790), **activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller** (p. 889), **activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller** (p. 922), **activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller** (p. 1318), **activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller** (p. 1352), **activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller** (p. 1384), **activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller** (p. 1416), **activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller** (p. 1463), **activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller** (p. 1492), **activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller** (p. 1526), **activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller** (p. 1555), **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1591), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1659), **activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller** (p. 1800), **activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller** (p. 1834), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1922), **activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller** (p. 2022), **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2183), **activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller** (p. 2251), **activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller** (p. 2280), **activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller** (p. 2303), **activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller** (p. 2334), **activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller** (p. 2363), **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2398), **activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller** (p. 2449), **activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller** (p. 2669), **activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller** (p. 2711), **activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller** (p. 2741), **activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller** (p. 2778),

activemq::wireformat::openwire::marshal::v1::MessageMarshaller (p. 2801), **activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller** (p. 2849), **activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller** (p. 2904), **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3031), **activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller** (p. 3153), **activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller** (p. 3184), **activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller** (p. 3202), **activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller** (p. 3304), **activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller** (p. 3321), **activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller** (p. 3354), **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3412), **activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller** (p. 3504), **activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller** (p. 3520), **activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller** (p. 3588), **activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller** (p. 3794), **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3942), **activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller** (p. 3971), **activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller** (p. 4124), **activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller** (p. 4163), **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 205), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 259), **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 342), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 385), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 413), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 461), **activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller** (p. 507), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 573), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 601), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 631), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 661), **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 696), **activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller** (p. 726), **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811), **activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller** (p. 901), **activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller** (p. 935), **activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller** (p. 1331), **activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller** (p. 1339), **activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller** (p. 1372), **activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller** (p. 1403), **activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller** (p. 1450), **activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller** (p. 1480), **activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller** (p. 1513), **activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller** (p. 1543), **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1578), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1646), **activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller** (p. 1788), **activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller** (p. 1822), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1905), **activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller** (p. 2009), **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2170),

activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller (p. 2235), **activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller** (p. 2264), **activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller** (p. 2287), **activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller** (p. 2318), **activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller** (p. 2346), **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2385), **activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller** (p. 2432), **activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller** (p. 2656), **activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller** (p. 2694), **activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller** (p. 2728), **activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller** (p. 2758), **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2792), **activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller** (p. 2832), **activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller** (p. 2884), **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3013), **activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller** (p. 3132), **activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller** (p. 3164), **activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller** (p. 3198), **activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller** (p. 3291), **activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller** (p. 3330), **activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller** (p. 3359), **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3397), **activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller** (p. 3484), **activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller** (p. 3529), **activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller** (p. 3583), **activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller** (p. 3810), **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3946), **activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller** (p. 3988), **activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller** (p. 4116), **activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller** (p. 4154), **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 193), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 238), **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 326), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 368), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 396), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 444), **activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller** (p. 490), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 556), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 585), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 614), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 644), **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 675), **activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller** (p. 704), **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776), **activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller** (p. 881), **activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller** (p. 914), **activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller** (p. 1310), **activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller** (p. 1343), **activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller** (p. 1376), **activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller** (p. 1407),

activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller (p. 1454), **activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller** (p. 1484), **activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller** (p. 1517), **activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller** (p. 1547), **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1582), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1651), **activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller** (p. 1792), **activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller** (p. 1826), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1909), **activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller** (p. 2013), **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2174), **activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller** (p. 2243), **activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller** (p. 2268), **activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller** (p. 2291), **activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller** (p. 2322), **activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller** (p. 2350), **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller** (p. 2381), **activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller** (p. 2436), **activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller** (p. 2660), **activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller** (p. 2698), **activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller** (p. 2732), **activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller** (p. 2770), **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788), **activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller** (p. 2840), **activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller** (p. 2896), **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3022), **activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller** (p. 3140), **activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller** (p. 3172), **activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller** (p. 3210), **activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller** (p. 3299), **activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller** (p. 3325), **activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller** (p. 3363), **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3407), **activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller** (p. 3500), **activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller** (p. 3524), **activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller** (p. 3596), **activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller** (p. 3790), **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3950), **activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller** (p. 3976), **activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller** (p. 4128), **activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller** (p. 4167), **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 201), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 246), **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 334), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 376), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 404), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 452), **activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller** (p. 498), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 565), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller**

(p. 593), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 623), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 648), **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 679), **activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller** (p. 709), **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783), **activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller** (p. 885), **activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller** (p. 918), **activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller** (p. 1314), **activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller** (p. 1348), **activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller** (p. 1380), **activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller** (p. 1411), **activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller** (p. 1458), **activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller** (p. 1488), **activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller** (p. 1521), **activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller** (p. 1551), **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1586), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1655), **activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller** (p. 1796), **activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller** (p. 1830), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1918), **activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller** (p. 2018), **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2179), **activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller** (p. 2247), **activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller** (p. 2276), **activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller** (p. 2299), **activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller** (p. 2330), **activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller** (p. 2354), **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2394), **activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller** (p. 2445), **activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller** (p. 2664), **activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller** (p. 2706), **activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller** (p. 2736), **activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller** (p. 2762), **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797), **activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller** (p. 2844), **activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller** (p. 2900), **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller** (p. 3027), **activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller** (p. 3136), **activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller** (p. 3168), **activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller** (p. 3193), **activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller** (p. 3312), **activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller** (p. 3342), **activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller** (p. 3350), **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3392), **activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller** (p. 3488), **activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller** (p. 3533), **activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller** (p. 3600), **activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller** (p. 3802), **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3954), **activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller** (p. 3984),

activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller (p. 4120), **activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller** (p. 4159), **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 210), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 251), **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 338), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 380), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 409), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 456), **activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller** (p. 503), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 569), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 597), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 627), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 657), **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 687), **activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller** (p. 717), **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797), **activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller** (p. 893), **activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller** (p. 926), **activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller** (p. 1323), **activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller** (p. 1356), **activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller** (p. 1388), **activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller** (p. 1420), **activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller** (p. 1467), **activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller** (p. 1496), **activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller** (p. 1530), **activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller** (p. 1560), **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1595), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1638), **activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller** (p. 1809), **activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller** (p. 1838), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1914), **activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller** (p. 2026), **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2187), **activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller** (p. 2239), **activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller** (p. 2260), **activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller** (p. 2307), **activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller** (p. 2326), **activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller** (p. 2358), **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2390), **activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller** (p. 2441), **activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller** (p. 2673), **activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller** (p. 2702), **activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller** (p. 2745), **activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller** (p. 2766), **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2783), **activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller** (p. 2836), **activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller** (p. 2892), **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3018), **activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller** (p. 3144), **activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller** (p. 3176),

activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller (p. 3206), **activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller** (p. 3308), **activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller** (p. 3338), **activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller** (p. 3371), **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3402), **activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller** (p. 3496), **activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller** (p. 3516), **activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller** (p. 3592), **activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller** (p. 3798), **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3938), **activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller** (p. 3967), **activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller** (p. 4108), **activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller** (p. 4171), **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 214), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 255), **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 346), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 389), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 417), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 465), **activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller** (p. 511), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 577), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 605), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 635), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 665), **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 692), **activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller** (p. 721), **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804), **activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller** (p. 897), **activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller** (p. 931), **activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller** (p. 1327), **activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller** (p. 1360), **activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller** (p. 1392), **activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller** (p. 1424), **activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller** (p. 1471), **activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller** (p. 1500), **activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller** (p. 1534), **activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller** (p. 1564), **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1599), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1642), **activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller** (p. 1805), **activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller** (p. 1818), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1901), **activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller** (p. 2005), **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2166), **activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller** (p. 2231), **activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller** (p. 2272), **activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller** (p. 2295), **activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller** (p. 2314), **activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller** (p. 2341), **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller**

(p. 2377), **activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller** (p. 2428), **activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller** (p. 2652), **activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller** (p. 2715), **activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller** (p. 2724), **activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller** (p. 2774), **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806), **activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller** (p. 2853), **activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller** (p. 2888), **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3009), **activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller** (p. 3149), **activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller** (p. 3180), **activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller** (p. 3215), **activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller** (p. 3295), **activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller** (p. 3334), **activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller** (p. 3367), **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3417), **activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller** (p. 3492), **activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller** (p. 3512), **activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller** (p. 3579), **activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller** (p. 3806), **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3958), **activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller** (p. 3980), **activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller** (p. 4112), and **activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller** (p. 4150).

6.301.3.7 virtual void activemq::wireformat::openwire::marshal::DataStreamMarshaller::tightUnmarshal (OpenWireFormat * *format*, commands::DataStructure * *command*, decaf::io::DataInputStream * *dis*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [pure virtual]

Tight Un-marhsal to the given stream.

Parameters

format	- The OpenwireFormat properties
command	- the object to Un-Marshal
dis	- the DataInputStream to Un-Marshal from
bs	- boolean stream to unmarshal from.

Exceptions

IOException	if an error occurs.

Implemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 197), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 243), **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller** (p. 331), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 372), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 401), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 448), **activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller**

(p. 495), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 561), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller** (p. 590), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller** (p. 619), **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller** (p. 653), **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 684), **activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller** (p. 713), **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792), **activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller** (p. 890), **activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller** (p. 923), **activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller** (p. 1319), **activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller** (p. 1352), **activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller** (p. 1384), **activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller** (p. 1416), **activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller** (p. 1463), **activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller** (p. 1493), **activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller** (p. 1526), **activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller** (p. 1556), **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1591), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1660), **activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller** (p. 1801), **activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller** (p. 1835), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1923), **activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller** (p. 2022), **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2183), **activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller** (p. 2251), **activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller** (p. 2280), **activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller** (p. 2303), **activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller** (p. 2335), **activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller** (p. 2363), **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2399), **activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller** (p. 2450), **activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller** (p. 2669), **activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller** (p. 2711), **activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller** (p. 2741), **activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller** (p. 2779), **activemq::wireformat::openwire::marshal::v1::MessageMarshaller** (p. 2802), **activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller** (p. 2849), **activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller** (p. 2904), **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3032), **activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller** (p. 3153), **activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller** (p. 3185), **activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller** (p. 3202), **activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller** (p. 3304), **activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller** (p. 3322), **activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller** (p. 3355), **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3413), **activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller** (p. 3504), **activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller** (p. 3521), **activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller** (p. 3588), **activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller** (p. 3794),

activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller (p. 3943), **activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller** (p. 3972), **activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller** (p. 4124), **activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller** (p. 4163), **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 206), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 260), **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller** (p. 343), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 385), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 413), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 461), **activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller** (p. 507), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 574), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller** (p. 602), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller** (p. 632), **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller** (p. 662), **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 696), **activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller** (p. 726), **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813), **activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller** (p. 902), **activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller** (p. 935), **activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller** (p. 1332), **activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller** (p. 1340), **activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller** (p. 1372), **activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller** (p. 1403), **activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller** (p. 1450), **activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller** (p. 1480), **activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller** (p. 1513), **activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller** (p. 1543), **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1578), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1647), **activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller** (p. 1788), **activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller** (p. 1823), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1906), **activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller** (p. 2010), **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2170), **activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller** (p. 2235), **activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller** (p. 2264), **activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller** (p. 2287), **activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller** (p. 2319), **activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller** (p. 2346), **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2386), **activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller** (p. 2433), **activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller** (p. 2656), **activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller** (p. 2694), **activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller** (p. 2728), **activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller** (p. 2759), **activemq::wireformat::openwire::marshal::v2::MessageMarshaller** (p. 2793), **activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller** (p. 2832), **activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller** (p. 2884), **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3014),

activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller (p. 3132), **activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller** (p. 3165), **activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller** (p. 3198), **activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller** (p. 3291), **activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller** (p. 3330), **activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller** (p. 3359), **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3398), **activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller** (p. 3484), **activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller** (p. 3529), **activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller** (p. 3584), **activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller** (p. 3810), **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3947), **activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller** (p. 3989), **activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller** (p. 4116), **activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller** (p. 4155), **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 193), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 238), **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller** (p. 327), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 368), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 396), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 444), **activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller** (p. 490), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 557), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller** (p. 586), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller** (p. 615), **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller** (p. 645), **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 675), **activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller** (p. 705), **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777), **activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller** (p. 881), **activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller** (p. 914), **activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller** (p. 1310), **activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller** (p. 1344), **activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller** (p. 1376), **activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller** (p. 1408), **activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller** (p. 1455), **activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller** (p. 1485), **activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller** (p. 1518), **activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller** (p. 1547), **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1582), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1651), **activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller** (p. 1792), **activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller** (p. 1827), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1910), **activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller** (p. 2014), **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2175), **activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller** (p. 2243), **activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller** (p. 2268), **activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller** (p. 2291), **activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller** (p. 2323),

activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller (p. 2350), **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller** (p. 2382), **activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller** (p. 2437), **activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller** (p. 2661), **activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller** (p. 2698), **activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller** (p. 2733), **activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller** (p. 2771), **activemq::wireformat::openwire::marshal::v3::MessageMarshaller** (p. 2788), **activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller** (p. 2841), **activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller** (p. 2896), **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3023), **activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller** (p. 3141), **activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller** (p. 3173), **activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller** (p. 3211), **activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller** (p. 3300), **activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller** (p. 3326), **activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller** (p. 3363), **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3408), **activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller** (p. 3500), **activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller** (p. 3525), **activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller** (p. 3597), **activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller** (p. 3790), **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3951), **activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller** (p. 3976), **activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller** (p. 4128), **activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller** (p. 4168), **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 202), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 247), **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller** (p. 335), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 377), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 405), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 453), **activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller** (p. 499), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 565), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller** (p. 594), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller** (p. 623), **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller** (p. 649), **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 679), **activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller** (p. 709), **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784), **activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller** (p. 886), **activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller** (p. 918), **activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller** (p. 1315), **activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller** (p. 1348), **activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller** (p. 1380), **activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller** (p. 1412), **activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller** (p. 1459), **activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller** (p. 1489), **activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller** (p. 1522), **activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller** (p. 1552),

activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller (p. 1587), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1655), **activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller** (p. 1797), **activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller** (p. 1831), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1918), **activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller** (p. 2018), **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2179), **activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller** (p. 2247), **activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller** (p. 2276), **activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller** (p. 2299), **activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller** (p. 2331), **activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller** (p. 2355), **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2394), **activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller** (p. 2445), **activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller** (p. 2665), **activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller** (p. 2707), **activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller** (p. 2737), **activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller** (p. 2763), **activemq::wireformat::openwire::marshal::v4::MessageMarshaller** (p. 2797), **activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller** (p. 2845), **activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller** (p. 2900), **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller** (p. 3027), **activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller** (p. 3136), **activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller** (p. 3169), **activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller** (p. 3194), **activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller** (p. 3313), **activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller** (p. 3343), **activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller** (p. 3351), **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3393), **activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller** (p. 3488), **activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller** (p. 3533), **activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller** (p. 3601), **activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller** (p. 3802), **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3955), **activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller** (p. 3985), **activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller** (p. 4120), **activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller** (p. 4159), **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 210), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 251), **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller** (p. 339), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 381), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 409), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 457), **activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller** (p. 503), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 569), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller** (p. 598), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller** (p. 627), **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller** (p. 657), **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 688), **activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller**

(p. 718), **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799), **activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller** (p. 894), **activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller** (p. 927), **activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller** (p. 1323), **activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller** (p. 1357), **activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller** (p. 1388), **activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller** (p. 1420), **activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller** (p. 1467), **activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller** (p. 1497), **activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller** (p. 1530), **activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller** (p. 1560), **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1595), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1638), **activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller** (p. 1809), **activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller** (p. 1839), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1914), **activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller** (p. 2027), **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2188), **activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller** (p. 2239), **activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller** (p. 2260), **activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller** (p. 2307), **activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller** (p. 2327), **activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller** (p. 2359), **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2390), **activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller** (p. 2441), **activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller** (p. 2673), **activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller** (p. 2703), **activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller** (p. 2745), **activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller** (p. 2767), **activemq::wireformat::openwire::marshal::v5::MessageMarshaller** (p. 2784), **activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller** (p. 2836), **activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller** (p. 2892), **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3018), **activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller** (p. 3145), **activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller** (p. 3177), **activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller** (p. 3207), **activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller** (p. 3308), **activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller** (p. 3339), **activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller** (p. 3372), **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3403), **activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller** (p. 3496), **activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller** (p. 3516), **activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller** (p. 3592), **activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller** (p. 3798), **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3939), **activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller** (p. 3968), **activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller** (p. 4108), **activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller** (p. 4172), **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 214), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller**

(p. 255), **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller** (p. 347), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 389), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 418), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 465), **activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller** (p. 512), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 578), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller** (p. 606), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller** (p. 636), **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller** (p. 666), **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 692), **activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller** (p. 722), **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806), **activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller** (p. 898), **activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller** (p. 931), **activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller** (p. 1327), **activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller** (p. 1361), **activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller** (p. 1392), **activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller** (p. 1425), **activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller** (p. 1472), **activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller** (p. 1501), **activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller** (p. 1535), **activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller** (p. 1564), **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1600), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1643), **activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller** (p. 1805), **activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller** (p. 1819), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1901), **activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller** (p. 2005), **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2166), **activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller** (p. 2231), **activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller** (p. 2272), **activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller** (p. 2295), **activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller** (p. 2315), **activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller** (p. 2342), **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller** (p. 2377), **activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller** (p. 2428), **activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller** (p. 2652), **activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller** (p. 2715), **activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller** (p. 2724), **activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller** (p. 2775), **activemq::wireformat::openwire::marshal::v6::MessageMarshaller** (p. 2806), **activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller** (p. 2853), **activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller** (p. 2888), **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3009), **activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller** (p. 3149), **activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller** (p. 3181), **activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller** (p. 3215), **activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller** (p. 3296), **activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller** (p. 3334), **activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller**

(p. 3368), **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3418), **activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller** (p. 3492), **activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller** (p. 3512), **activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller** (p. 3580), **activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller** (p. 3806), **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3959), **activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller** (p. 3980), **activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller** (p. 4112), and **activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller** (p. 4151).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/**DataStreamMarshaller.h**

6.302 activemq::commands::DataStructure Class Reference

`#include <src/main/activemq/commands/DataStructure.h>`

Inheritance diagram for activemq::commands::DataStructure:

Public Member Functions

- virtual ~**DataStructure** ()
- virtual unsigned char **getDataStructureType** () const =0

  *Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.*

- virtual **DataStructure** ∗ **cloneDataStructure** () const =0

  Clone this obbject and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)=0

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const =0

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const =0

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

6.302.1 Constructor & Destructor Documentation

6.302.1.1 virtual activemq::commands::DataStructure::~DataStructure ( ) [inline, virtual]

6.302.2 Member Function Documentation

6.302.2.1 virtual DataStructure* activemq::commands::DataStructure::cloneDataStructure ( ) const [pure virtual]

Clone this obbject and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implemented in **activemq::commands::ActiveMQBlobMessage** (p. 186), **activemq::commands::ActiveMQ**
(p. 219), **activemq::commands::ActiveMQDestination** (p. 315), **activemq::commands::ActiveMQMapMes**
(p. 354), **activemq::commands::ActiveMQMessage** (p. 391), **activemq::commands::ActiveMQObjectMess**
(p. 439), **activemq::commands::ActiveMQQueue** (p. 481), **activemq::commands::ActiveMQStreamMessag**
(p. 539), **activemq::commands::ActiveMQTempDestination** (p. 580), **activemq::commands::ActiveMQTem**
(p. 608), **activemq::commands::ActiveMQTempTopic** (p. 638), **activemq::commands::ActiveMQTextMess**
(p. 669), **activemq::commands::ActiveMQTopic** (p. 698), **activemq::commands::BooleanExpression**
(p. 862), **activemq::commands::BrokerError** (p. 870), **activemq::commands::BrokerId**
(p. 876), **activemq::commands::BrokerInfo** (p. 904), **activemq::commands::ConnectionControl**
(p. 1303), **activemq::commands::ConnectionError** (p. 1333), **activemq::commands::ConnectionId**
(p. 1366), **activemq::commands::ConnectionInfo** (p. 1395), **activemq::commands::ConsumerControl**
(p. 1443), **activemq::commands::ConsumerId** (p. 1474), **activemq::commands::ConsumerInfo**
(p. 1504), **activemq::commands::ControlCommand** (p. 1537), **activemq::commands::DataArrayResponse**
(p. 1573), **activemq::commands::DataResponse** (p. 1633), **activemq::commands::DestinationInfo**
(p. 1781), **activemq::commands::DiscoveryEvent** (p. 1813), **activemq::commands::ExceptionResponse**
(p. 1896), **activemq::commands::FlushCommand** (p. 2000), **activemq::commands::IntegerResponse**
(p. 2161), **activemq::commands::JournalQueueAck** (p. 2225), **activemq::commands::JournalTopicAck**
(p. 2253), **activemq::commands::JournalTrace** (p. 2282), **activemq::commands::JournalTransaction**
(p. 2309), **activemq::commands::KeepAliveInfo** (p. 2336), **activemq::commands::LastPartialCommand**
(p. 2372), **activemq::commands::LocalTransactionId** (p. 2422), **activemq::commands::Message**
(p. 2601), **activemq::commands::MessageAck** (p. 2644), **activemq::commands::MessageDispatch**
(p. 2680), **activemq::commands::MessageDispatchNotification** (p. 2717), **activemq::commands::MessageI**
(p. 2752), **activemq::commands::MessagePull** (p. 2825), **activemq::commands::NetworkBridgeFilter**
(p. 2878), **activemq::commands::PartialCommand** (p. 3003), **activemq::commands::ProducerAck**
(p. 3126), **activemq::commands::ProducerId** (p. 3158), **activemq::commands::ProducerInfo**
(p. 3187), **activemq::commands::RemoveInfo** (p. 3285), **activemq::commands::RemoveSubscriptionInfo**
(p. 3315), **activemq::commands::ReplayCommand** (p. 3345), **activemq::commands::Response**
(p. 3380), **activemq::commands::SessionId** (p. 3478), **activemq::commands::SessionInfo**
(p. 3506), **activemq::commands::ShutdownInfo** (p. 3574), **activemq::commands::SubscriptionInfo**
(p. 3783), **activemq::commands::TransactionId** (p. 3933), **activemq::commands::TransactionInfo**
(p. 3961), **activemq::commands::WireFormatInfo** (p. 4097), and **activemq::commands::XATransactionId**
(p. 4144).

6.302.2.2 virtual void activemq::commands::DataStructure::copyDataStructure (const DataStructure * *src*) [pure virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Implemented in **activemq::commands::ActiveMQBlobMessage** (p. 186), **activemq::commands::ActiveMQBytesMessag** (p. 219), **activemq::commands::ActiveMQDestination** (p. 316), **activemq::commands::ActiveMQMapMessage** (p. 354), **activemq::commands::ActiveMQMessage** (p. 391), **activemq::commands::ActiveMQObjectMessage** (p. 439), **activemq::commands::ActiveMQQueue** (p. 481), **activemq::commands::ActiveMQStreamMessage** (p. 540), **activemq::commands::ActiveMQTempDestination** (p. 580), **activemq::commands::ActiveMQTempQueue** (p. 609), **activemq::commands::ActiveMQTempTopic** (p. 639), **activemq::commands::ActiveMQTextMessage** (p. 669), **activemq::commands::ActiveMQTopic** (p. 699), **activemq::commands::BaseCommand** (p. 766), **activemq::commands::BrokerError** (p. 870), **activemq::commands::BrokerId** (p. 876), **activemq::commands::BrokerInfo** (p. 904), **activemq::commands::ConnectionControl** (p. 1303), **activemq::commands::ConnectionError** (p. 1334), **activemq::commands::ConnectionId** (p. 1367), **activemq::commands::ConnectionInfo** (p. 1395), **activemq::commands::ConsumerControl** (p. 1443), **activemq::commands::ConsumerId** (p. 1474), **activemq::commands::ConsumerInfo** (p. 1504), **activemq::commands::ControlCommand** (p. 1537), **activemq::commands::DataArrayResponse** (p. 1573), **activemq::commands::DataResponse** (p. 1633), **activemq::commands::DestinationInfo** (p. 1781), **activemq::commands::DiscoveryEvent** (p. 1813), **activemq::commands::ExceptionResponse** (p. 1896), **activemq::commands::FlushCommand** (p. 2000), **activemq::commands::IntegerResponse** (p. 2161), **activemq::commands::JournalQueueAck** (p. 2225), **activemq::commands::JournalTopicAck** (p. 2253), **activemq::commands::JournalTrace** (p. 2282), **activemq::commands::JournalTransaction** (p. 2309), **activemq::commands::KeepAliveInfo** (p. 2336), **activemq::commands::LastPartialCommand** (p. 2372), **activemq::commands::LocalTransactionId** (p. 2422), **activemq::commands::Message** (p. 2602), **activemq::commands::MessageAck** (p. 2645), **activemq::commands::MessageDispatch** (p. 2680), **activemq::commands::MessageDispatchNotification** (p. 2718), **activemq::commands::MessageId** (p. 2752), **activemq::commands::MessagePull** (p. 2826), **activemq::commands::NetworkBridgeFilter** (p. 2878), **activemq::commands::PartialCommand** (p. 3003), **activemq::commands::ProducerAck** (p. 3126), **activemq::commands::ProducerId** (p. 3159), **activemq::commands::ProducerInfo** (p. 3187), **activemq::commands::RemoveInfo** (p. 3285), **activemq::commands::RemoveSubscriptionInfo** (p. 3315), **activemq::commands::ReplayCommand** (p. 3345), **activemq::commands::Response** (p. 3380), **activemq::commands::SessionId** (p. 3478), **activemq::commands::SessionInfo** (p. 3506), **activemq::commands::ShutdownInfo** (p. 3574), **activemq::commands::SubscriptionInfo** (p. 3784), **activemq::commands::TransactionId** (p. 3934), **activemq::commands::TransactionInfo** (p. 3961), **activemq::commands::WireFormatInfo** (p. 4097), and **activemq::commands::XATransactionId** (p. 4145).

6.302.2.3 virtual bool activemq::commands::DataStructure::equals (const DataStructure * *value*) const [pure virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implemented in **activemq::commands::ActiveMQBlobMessage** (p. 187), **activemq::commands::ActiveMQ**
(p. 220), **activemq::commands::ActiveMQDestination** (p. 317), **activemq::commands::ActiveMQMapMes**
(p. 355), **activemq::commands::ActiveMQMessage** (p. 392), **activemq::commands::ActiveMQMessageTen**
T > (p. 423), **activemq::commands::ActiveMQObjectMessage** (p. 439), **activemq::commands::ActiveMQ**
(p. 481), **activemq::commands::ActiveMQStreamMessage** (p. 540), **activemq::commands::ActiveMQTem**
(p. 581), **activemq::commands::ActiveMQTempQueue** (p. 609), **activemq::commands::ActiveMQTempTo**
(p. 639), **activemq::commands::ActiveMQTextMessage** (p. 669), **activemq::commands::ActiveMQTopic**
(p. 699), **activemq::commands::BaseCommand** (p. 766), **activemq::commands::BooleanExpression**
(p. 862), **activemq::commands::BrokerId** (p. 876), **activemq::commands::BrokerInfo**
(p. 905), **activemq::commands::ConnectionControl** (p. 1303), **activemq::commands::ConnectionError**
(p. 1334), **activemq::commands::ConnectionId** (p. 1367), **activemq::commands::ConnectionInfo**
(p. 1395), **activemq::commands::ConsumerControl** (p. 1443), **activemq::commands::ConsumerId**
(p. 1475), **activemq::commands::ConsumerInfo** (p. 1504), **activemq::commands::ControlCommand**
(p. 1538), **activemq::commands::DataArrayResponse** (p. 1573), **activemq::commands::DataResponse**
(p. 1633), **activemq::commands::DestinationInfo** (p. 1781), **activemq::commands::DiscoveryEvent**
(p. 1813), **activemq::commands::ExceptionResponse** (p. 1896), **activemq::commands::FlushCommand**
(p. 2000), **activemq::commands::IntegerResponse** (p. 2161), **activemq::commands::JournalQueueAck**
(p. 2226), **activemq::commands::JournalTopicAck** (p. 2254), **activemq::commands::JournalTrace**
(p. 2282), **activemq::commands::JournalTransaction** (p. 2309), **activemq::commands::KeepAliveInfo**
(p. 2337), **activemq::commands::LastPartialCommand** (p. 2373), **activemq::commands::LocalTransactio**
(p. 2422), **activemq::commands::Message** (p. 2602), **activemq::commands::MessageAck**
(p. 2645), **activemq::commands::MessageDispatch** (p. 2680), **activemq::commands::MessageDispatchNoti**
(p. 2718), **activemq::commands::MessageId** (p. 2753), **activemq::commands::MessagePull**
(p. 2826), **activemq::commands::NetworkBridgeFilter** (p. 2879), **activemq::commands::PartialCommand**
(p. 3004), **activemq::commands::ProducerAck** (p. 3126), **activemq::commands::ProducerId**
(p. 3159), **activemq::commands::ProducerInfo** (p. 3187), **activemq::commands::RemoveInfo**
(p. 3286), **activemq::commands::RemoveSubscriptionInfo** (p. 3315), **activemq::commands::ReplayComm**
(p. 3345), **activemq::commands::Response** (p. 3381), **activemq::commands::SessionId**
(p. 3479), **activemq::commands::SessionInfo** (p. 3507), **activemq::commands::ShutdownInfo**
(p. 3574), **activemq::commands::SubscriptionInfo** (p. 3784), **activemq::commands::TransactionId**
(p. 3934), **activemq::commands::TransactionInfo** (p. 3961), **activemq::commands::WireFormatInfo**
(p. 4097), **activemq::commands::XATransactionId** (p. 4145), **activemq::commands::ActiveMQMessageTe**
cms::BytesMessage > (p. 423), **activemq::commands::ActiveMQMessageTemplate**<
cms::MapMessage > (p. 423), **activemq::commands::ActiveMQMessageTemplate**<
cms::Message > (p. 423), **activemq::commands::ActiveMQMessageTemplate**< **cms::StreamMessage**
> (p. 423), **activemq::commands::ActiveMQMessageTemplate**< **cms::TextMessage**
> (p. 423), and **activemq::commands::ActiveMQMessageTemplate**< **cms::ObjectMessage**
> (p. 423).

6.302.2.4 virtual unsigned char activemq::commands::DataStructure::getDataStructureType ( ) const [pure virtual]

Get the **DataStructure** (p. 1713) Type as defined in CommandTypes.h.

Returns

The type of the data structure

Implemented in **activemq::commands::ActiveMQBlobMessage** (p. 187), **activemq::commands::ActiveMQBytesMessag** (p. 221), **activemq::commands::ActiveMQDestination** (p. 317), **activemq::commands::ActiveMQMapMessage** (p. 356), **activemq::commands::ActiveMQMessage** (p. 392), **activemq::commands::ActiveMQObjectMessage** (p. 440), **activemq::commands::ActiveMQQueue** (p. 482), **activemq::commands::ActiveMQStreamMessage** (p. 540), **activemq::commands::ActiveMQTempDestination** (p. 581), **activemq::commands::ActiveMQTempQueue** (p. 610), **activemq::commands::ActiveMQTempTopic** (p. 640), **activemq::commands::ActiveMQTextMessage** (p. 669), **activemq::commands::ActiveMQTopic** (p. 700), **activemq::commands::BrokerError** (p. 871), **activemq::commands::BrokerId** (p. 877), **activemq::commands::BrokerInfo** (p. 906), **activemq::commands::ConnectionControl** (p. 1304), **activemq::commands::ConnectionError** (p. 1334), **activemq::commands::ConnectionId** (p. 1367), **activemq::commands::ConnectionInfo** (p. 1396), **activemq::commands::ConsumerControl** (p. 1444), **activemq::commands::ConsumerId** (p. 1475), **activemq::commands::ConsumerInfo** (p. 1505), **activemq::commands::ControlCommand** (p. 1538), **activemq::commands::DataArrayResponse** (p. 1574), **activemq::commands::DataResponse** (p. 1634), **activemq::commands::DestinationInfo** (p. 1782), **activemq::commands::DiscoveryEvent** (p. 1814), **activemq::commands::ExceptionResponse** (p. 1897), **activemq::commands::FlushCommand** (p. 2001), **activemq::commands::IntegerResponse** (p. 2162), **activemq::commands::JournalQueueAck** (p. 2226), **activemq::commands::JournalTopicAck** (p. 2254), **activemq::commands::JournalTrace** (p. 2283), **activemq::commands::JournalTransaction** (p. 2310), **activemq::commands::KeepAliveInfo** (p. 2337), **activemq::commands::LastPartialCommand** (p. 2373), **activemq::commands::LocalTransactionId** (p. 2423), **activemq::commands::Message** (p. 2604), **activemq::commands::MessageAck** (p. 2645), **activemq::commands::MessageDispatch** (p. 2681), **activemq::commands::MessageDispatchNotification** (p. 2718), **activemq::commands::MessageId** (p. 2753), **activemq::commands::MessagePull** (p. 2826), **activemq::commands::NetworkBridgeFilter** (p. 2879), **activemq::commands::PartialCommand** (p. 3004), **activemq::commands::ProducerAck** (p. 3127), **activemq::commands::ProducerId** (p. 3159), **activemq::commands::ProducerInfo** (p. 3188), **activemq::commands::RemoveInfo** (p. 3286), **activemq::commands::RemoveSubscriptionInfo** (p. 3316), **activemq::commands::ReplayCommand** (p. 3346), **activemq::commands::Response** (p. 3381), **activemq::commands::SessionId** (p. 3479), **activemq::commands::SessionInfo** (p. 3507), **activemq::commands::ShutdownInfo** (p. 3575), **activemq::commands::SubscriptionInfo** (p. 3784), **activemq::commands::TransactionId** (p. 3934), **activemq::commands::TransactionInfo** (p. 3962), **activemq::commands::WireFormatInfo** (p. 4098), and **activemq::commands::XATransactionId** (p. 4145).

6.302.2.5 virtual std::string activemq::commands::DataStructure::toString ( ) const [pure virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Implemented in **activemq::commands::ActiveMQBlobMessage** (p. 189), **activemq::commands::ActiveMQBytesMessag** (p. 229), **activemq::commands::ActiveMQDestination** (p. 321), **activemq::commands::ActiveMQMapMessage** (p. 364), **activemq::commands::ActiveMQMessage** (p. 392), **activemq::commands::ActiveMQObjectMessage** (p. 440), **activemq::commands::ActiveMQQueue** (p. 483), **activemq::commands::ActiveMQStreamMessage**

(p. 547), **activemq::commands::ActiveMQTempDestination** (p. 582), **activemq::commands::ActiveMQTem**
(p. 611), **activemq::commands::ActiveMQTempTopic** (p. 641), **activemq::commands::ActiveMQTextMess**
(p. 671), **activemq::commands::ActiveMQTopic** (p. 701), **activemq::commands::BaseCommand**
(p. 770), **activemq::commands::BaseDataStructure** (p. 841), **activemq::commands::BooleanExpression**
(p. 863), **activemq::commands::BrokerId** (p. 877), **activemq::commands::BrokerInfo**
(p. 908), **activemq::commands::Command** (p. 1231), **activemq::commands::ConnectionControl**
(p. 1305), **activemq::commands::ConnectionError** (p. 1335), **activemq::commands::ConnectionId**
(p. 1368), **activemq::commands::ConnectionInfo** (p. 1398), **activemq::commands::ConsumerControl**
(p. 1445), **activemq::commands::ConsumerId** (p. 1476), **activemq::commands::ConsumerInfo**
(p. 1507), **activemq::commands::ControlCommand** (p. 1538), **activemq::commands::DataArrayResponse**
(p. 1574), **activemq::commands::DataResponse** (p. 1634), **activemq::commands::DestinationInfo**
(p. 1783), **activemq::commands::DiscoveryEvent** (p. 1814), **activemq::commands::ExceptionResponse**
(p. 1897), **activemq::commands::FlushCommand** (p. 2001), **activemq::commands::IntegerResponse**
(p. 2162), **activemq::commands::JournalQueueAck** (p. 2227), **activemq::commands::JournalTopicAck**
(p. 2255), **activemq::commands::JournalTrace** (p. 2283), **activemq::commands::JournalTransaction**
(p. 2310), **activemq::commands::KeepAliveInfo** (p. 2337), **activemq::commands::LastPartialCommand**
(p. 2373), **activemq::commands::LocalTransactionId** (p. 2424), **activemq::commands::Message**
(p. 2611), **activemq::commands::MessageAck** (p. 2647), **activemq::commands::MessageDispatch**
(p. 2682), **activemq::commands::MessageDispatchNotification** (p. 2719), **activemq::commands::MessageI**
(p. 2754), **activemq::commands::MessagePull** (p. 2827), **activemq::commands::NetworkBridgeFilter**
(p. 2880), **activemq::commands::PartialCommand** (p. 3005), **activemq::commands::ProducerAck**
(p. 3127), **activemq::commands::ProducerId** (p. 3160), **activemq::commands::ProducerInfo**
(p. 3189), **activemq::commands::RemoveInfo** (p. 3287), **activemq::commands::RemoveSubscriptionInfo**
(p. 3317), **activemq::commands::ReplayCommand** (p. 3346), **activemq::commands::Response**
(p. 3382), **activemq::commands::SessionId** (p. 3480), **activemq::commands::SessionInfo**
(p. 3507), **activemq::commands::ShutdownInfo** (p. 3575), **activemq::commands::SubscriptionInfo**
(p. 3785), **activemq::commands::TransactionId** (p. 3935), **activemq::commands::TransactionInfo**
(p. 3963), **activemq::commands::WireFormatInfo** (p. 4104), and **activemq::commands::XATransactionId**
(p. 4146).

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**DataStructure.h**

6.303 decaf::util::Date Class Reference

Wrapper class around a time value in milliseconds.

`#include <src/main/decaf/util/Date.h>`

Inheritance diagram for decaf::util::Date:

Public Member Functions

- **Date** ()

  Default constructor - sets time to the current System time, rounded to the nearest millisecond.

- **Date** (long long milliseconds)

  Constructs the date with a given time value.

- **Date** (const **Date** &source)

  Copy constructor.

- **Date** & **operator=** (const **Date** &value)

  *Assigns the value of one **Date** (p. 1719) object to another.*

- virtual ~**Date** ()
- long long **getTime** () const

  Gets the underlying time.

- void **setTime** (long long milliseconds)

  Sets the underlying time.

- bool **after** (const **Date** &when) const

  Determines whether or not this date falls after the specified time.

- bool **before** (const **Date** &when) const

  Determines whether or not this date falls before the specified time.

- std::string **toString** () const

  *Converts this **Date** (p. 1719) object to a String of the form:*

- virtual int **compareTo** (const **Date** &value) const

  Compares this Data object to the one given.

- virtual bool **equals** (const **Date** &value) const
- virtual bool **operator==** (const **Date** &value) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const **Date** &value) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

6.303.1 Detailed Description

Wrapper class around a time value in milliseconds. This class is comparable to Java's java.util.Date class.

Since

1.0

6.303.2 Constructor & Destructor Documentation

6.303.2.1 decaf::util::Date::Date ( )

Default constructor - sets time to the current System time, rounded to the nearest millisecond.

6.303.2.2 decaf::util::Date::Date (long long *milliseconds*)

Constructs the date with a given time value.

Parameters

milliseconds	The time in milliseconds;

6.303.2.3 decaf::util::Date::Date (const Date & *source*)

Copy constructor.

Parameters

source	The **Date** (p. 1719) instance to copy into this one.

6.303.2.4 virtual decaf::util::Date::~Date ( ) [virtual]

6.303.3 Member Function Documentation

6.303.3.1 bool decaf::util::Date::after (const Date & *when*) const

Determines whether or not this date falls after the specified time.

Parameters

when	The date to compare

Returns

true if this date falls after when.

6.303.3.2 bool decaf::util::Date::before (const Date & *when*) const

Determines whether or not this date falls before the specified time.

Parameters

when	The date to compare

Returns

true if this date falls before when.

6.303.3.3 virtual int decaf::util::Date::compareTo (const Date & *value*) const [virtual]

Compares this Data object to the one given.

Parameters

value	The **Date** (p. 1719) value to compare to this one.

Returns

zero if the **Date** (p. 1719) values are equal, a value less than zero if this Data value is earlier than argument value, and a value greater than zero if this **Date** (p. 1719) object is later than the argument **Date** (p. 1719) value.

6.303.3.4 virtual bool decaf::util::Date::equals (const Date & *value*) const [virtual]

Returns

true if this value is considered equal to the passed value.

6.303.3.5 long long decaf::util::Date::getTime ( ) const

Gets the underlying time.

Returns

The underlying time value in milliseconds.

6.303.3.6 virtual bool decaf::util::Date::operator< (const Date & *value*) const [virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

6.303.3.7 Date& decaf::util::Date::operator= (const Date & *value*)

Assigns the value of one **Date** (p. 1719) object to another.

Parameters

value	The value to be copied into this **Date** (p. 1719) object.

Returns

reference to this object with the newly assigned value.

6.303.3.8 virtual bool decaf::util::Date::operator== (const Date & *value*) const [virtual]

Compares equality between this object and the one passed.

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

6.303.3.9 void decaf::util::Date::setTime (long long *milliseconds*)

Sets the underlying time.

Parameters

milliseconds	The underlying time value in milliseconds.

6.303.3.10 std::string decaf::util::Date::toString ( ) const

Converts this **Date** (p. 1719) object to a String of the form:

dow mon dd hh:mm:ss zzz yyyy

where:

- dow is the day of the week (Sun, Mon, Tue, Wed, Thu, Fri, Sat).
- mon is the month (Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec).
- dd is the day of the month (01 through 31), as two decimal digits.
- hh is the hour of the day (00 through 23), as two decimal digits.
- mm is the minute within the hour (00 through 59), as two decimal digits.

- ss is the second within the minute (00 through 61, as two decimal digits.
- zzz is the time zone (and may reflect daylight saving time). Standard time zone abbreviations include those recognized by the method parse. If time zone information is not available, then zzz is empty - that is, it consists of no characters at all.
- yyyy is the year, as four decimal digits.

Returns

the String representation of the **Date** (p. 1719) object.

The documentation for this class was generated from the following file:

- src/main/decaf/util/**Date.h**

6.304 decaf::internal::DecafRuntime Class Reference

Handles APR initialization and termination.

`#include <src/main/decaf/internal/DecafRuntime.h>`

Inheritance diagram for decaf::internal::DecafRuntime:

Public Member Functions

- **DecafRuntime** ()

  Initializes the APR Runtime for a library.

- virtual ~**DecafRuntime** ()

  Terminates the APR Runtime for a library.

- apr_pool_t * **getGlobalPool** () const

  Grants access to the Global APR Pool instance that should be used when creating new threads.

6.304.1 Detailed Description

Handles APR initialization and termination.

6.304.2 Constructor & Destructor Documentation

6.304.2.1 decaf::internal::DecafRuntime::DecafRuntime ( )

Initializes the APR Runtime for a library.

6.304.2.2 virtual decaf::internal::DecafRuntime::~DecafRuntime ( ) [virtual]

Terminates the APR Runtime for a library.

6.304.3 Member Function Documentation

6.304.3.1 apr_pool_t* decaf::internal::DecafRuntime::getGlobalPool ( ) const

Grants access to the Global APR Pool instance that should be used when creating new threads.

The documentation for this class was generated from the following file:

- src/main/decaf/internal/**DecafRuntime.h**

6.305 activemq::threads::DedicatedTaskRunner Class Reference

`#include <src/main/activemq/threads/DedicatedTaskRunner.h>`

Inheritance diagram for activemq::threads::DedicatedTaskRunner:

Public Member Functions

- **DedicatedTaskRunner** (**Task** *task)
- virtual ~**DedicatedTaskRunner** ()
- virtual void **shutdown** (unsigned int timeout)

  Shutdown after a timeout, does not guarantee that the task's iterate method has completed and the thread halted.

- virtual void **shutdown** ()

  Shutdown once the task has finished and the TaskRunner's thread has exited.

- virtual void **wakeup** ()

  *Signal the **TaskRunner** (p. 3849) to wakeup and execute another iteration cycle on the task, the **Task** (p. 3846) instance will be run until its iterate method has returned false indicating it is done.*

Protected Member Functions

- virtual void **run** ()

  Run method - called by the Thread class in the context of the thread.

6.305.1 Constructor & Destructor Documentation

6.305.1.1 activemq::threads::DedicatedTaskRunner::DedicatedTaskRunner (Task * *task*)

6.305.1.2 virtual activemq::threads::DedicatedTaskRunner::~DedicatedTaskRunner ( ) [virtual]

6.305.2 Member Function Documentation

6.305.2.1 virtual void activemq::threads::DedicatedTaskRunner::run ( ) [protected, virtual]

Run method - called by the Thread class in the context of the thread.

Implements **decaf::lang::Runnable** (p. 3419).

6.305.2.2 virtual void activemq::threads::DedicatedTaskRunner::shutdown ( ) [virtual]

Shutdown once the task has finished and the TaskRunner's thread has exited.

Implements **activemq::threads::TaskRunner** (p. 3849).

6.305.2.3 virtual void activemq::threads::DedicatedTaskRunner::shutdown (unsigned int *timeout*) [virtual]

Shutdown after a timeout, does not guarantee that the task's iterate method has completed and the thread halted.

Parameters

timeout	- Time in Milliseconds to wait for the task to stop.

Implements **activemq::threads::TaskRunner** (p. 3849).

6.305.2.4 virtual void activemq::threads::DedicatedTaskRunner::wakeup ( ) [virtual]

Signal the **TaskRunner** (p. 3849) to wakeup and execute another iteration cycle on the task, the **Task** (p. 3846) instance will be run until its iterate method has returned false indicating it is done.

Implements **activemq::threads::TaskRunner** (p. 3850).

The documentation for this class was generated from the following file:

- src/main/activemq/threads/**DedicatedTaskRunner.h**

6.306 activemq::core::policies::DefaultPrefetchPolicy Class Reference

`#include <src/main/activemq/core/policies/DefaultPrefetchPolicy.h>`

Inheritance diagram for activemq::core::policies::DefaultPrefetchPolicy:

Public Member Functions

- **DefaultPrefetchPolicy** ()
- virtual ∼**DefaultPrefetchPolicy** ()
- virtual void **setDurableTopicPrefetch** (int value)

  Sets the amount of prefetched messages for a Durable Topic.

- virtual int **getDurableTopicPrefetch** () const

  Gets the amount of messages to prefetch for a Durable Topic.

- virtual void **setQueuePrefetch** (int value)

  Sets the amount of prefetched messages for a Queue.

- virtual int **getQueuePrefetch** () const

  Gets the amount of messages to prefetch for a Queue.

- virtual void **setQueueBrowserPrefetch** (int value)

  Sets the amount of prefetched messages for a Queue Browser.

- virtual int **getQueueBrowserPrefetch** () const

  Gets the amount of messages to prefetch for a Queue Browser.

- virtual void **setTopicPrefetch** (int value)

  Sets the amount of prefetched messages for a Topic.

- virtual int **getTopicPrefetch** () const

  Gets the amount of messages to prefetch for a Topic.

- virtual int **getMaxPrefetchLimit** (int value) const

  Given a requested value for a new prefetch limit, compare it against some max prefetch value and return either the requested value or the maximum allowable value for prefetch.

- virtual **PrefetchPolicy** ∗ **clone** () const

  Clone the Policy and return a new pointer to that clone.

Static Public Attributes

- static int **MAX_PREFETCH_SIZE**
- static int **DEFAULT_DURABLE_TOPIC_PREFETCH**
- static int **DEFAULT_QUEUE_PREFETCH**
- static int **DEFAULT_QUEUE_BROWSER_PREFETCH**
- static int **DEFAULT_TOPIC_PREFETCH**

6.306.1 Constructor & Destructor Documentation

6.306.1.1 activemq::core::policies::DefaultPrefetchPolicy::DefaultPrefetchPolicy ( )

6.306.1.2 virtual activemq::core::policies::DefaultPrefetchPolicy::~DefaultPrefetchPolicy ( ) [virtual]

6.306.2 Member Function Documentation

6.306.2.1 virtual PrefetchPolicy* activemq::core::policies::DefaultPrefetchPolicy::clone ( ) const [virtual]

Clone the Policy and return a new pointer to that clone.

Returns

pointer to a new **PrefetchPolicy** (p. 3062) instance that is a clone of this one.

Implements **activemq::core::PrefetchPolicy** (p. 3064).

6.306.2.2 virtual int activemq::core::policies::DefaultPrefetchPolicy::getDurableTopicPrefetch ( ) const [inline, virtual]

Gets the amount of messages to prefetch for a Durable Topic.

Returns

value of the number of messages to prefetch.

Implements **activemq::core::PrefetchPolicy** (p. 3065).

6.306.2.3 virtual int activemq::core::policies::DefaultPrefetchPolicy::getMaxPrefetchLimit (int *value*) const [inline, virtual]

Given a requested value for a new prefetch limit, compare it against some max prefetch value and return either the requested value or the maximum allowable value for prefetch.

Returns

the allowable value for a prefetch limit, either requested or the max.

Implements **activemq::core::PrefetchPolicy** (p. 3065).

6.306.2.4 virtual int activemq::core::policies::DefaultPrefetchPolicy::getQueueBrowserPrefetch ( ) const [inline, virtual]

Gets the amount of messages to prefetch for a Queue Browser.

Returns

value of the number of messages to prefetch.

Implements **activemq::core::PrefetchPolicy** (p. 3065).

6.306.2.5 virtual int activemq::core::policies::DefaultPrefetchPolicy::getQueuePrefetch ( ) const [inline, virtual]

Gets the amount of messages to prefetch for a Queue.

Returns

value of the number of messages to prefetch.

Implements **activemq::core::PrefetchPolicy** (p. 3065).

6.306.2.6 virtual int activemq::core::policies::DefaultPrefetchPolicy::getTopicPrefetch ( ) const [inline, virtual]

Gets the amount of messages to prefetch for a Topic.

Returns

value of the number of messages to prefetch.

Implements **activemq::core::PrefetchPolicy** (p. 3066).

6.306.2.7 virtual void activemq::core::policies::DefaultPrefetchPolicy::setDurableTopicPrefetch (int *value*) [inline, virtual]

Sets the amount of prefetched messages for a Durable Topic.

Parameters

value	The number of messages to prefetch.

Implements **activemq::core::PrefetchPolicy** (p. 3066).

6.306.2.8 virtual void activemq::core::policies::DefaultPrefetchPolicy::setQueueBrowserPrefetch (int *value*) [inline, virtual]

Sets the amount of prefetched messages for a Queue Browser.

Parameters

value	The number of messages to prefetch.

Implements **activemq::core::PrefetchPolicy** (p. 3066).

6.306.2.9 virtual void activemq::core::policies::DefaultPrefetchPolicy::setQueuePrefetch (int *value*) [inline, virtual]

Sets the amount of prefetched messages for a Queue.

Parameters

value	The number of messages to prefetch.

Implements **activemq::core::PrefetchPolicy** (p. 3066).

6.306.2.10 virtual void activemq::core::policies::DefaultPrefetchPolicy::setTopicPrefetch (int *value*) [inline, virtual]

Sets the amount of prefetched messages for a Topic.

Parameters

value	The number of messages to prefetch.

Implements **activemq::core::PrefetchPolicy** (p. 3067).

6.306.3 Field Documentation

6.306.3.1 int activemq::core::policies::DefaultPrefetchPolicy::DEFAULT_-DURABLE_TOPIC_PREFETCH [static]

6.306.3.2 int activemq::core::policies::DefaultPrefetchPolicy::DEFAULT_-QUEUE_BROWSER_PREFETCH [static]

6.306.3.3 int activemq::core::policies::DefaultPrefetchPolicy::DEFAULT_-QUEUE_PREFETCH [static]

6.306.3.4 int activemq::core::policies::DefaultPrefetchPolicy::DEFAULT_-TOPIC_PREFETCH [static]

6.306.3.5 int activemq::core::policies::DefaultPrefetchPolicy::MAX_-PREFETCH_SIZE [static]

The documentation for this class was generated from the following file:

- src/main/activemq/core/policies/**DefaultPrefetchPolicy.h**

6.307 activemq::core::policies::DefaultRedeliveryPolicy Class Reference

`#include <src/main/activemq/core/policies/DefaultRedeliveryPolicy.h>`

Inheritance diagram for activemq::core::policies::DefaultRedeliveryPolicy:

Public Member Functions

- **DefaultRedeliveryPolicy** ()
- virtual ~**DefaultRedeliveryPolicy** ()
- virtual double **getBackOffMultiplier** () const
- virtual void **setBackOffMultiplier** (double value)

  Sets the Back-Off Multiplier for Message Redelivery.

- virtual short **getCollisionAvoidancePercent** () const
- virtual void **setCollisionAvoidancePercent** (short value)
- virtual long long **getInitialRedeliveryDelay** () const

  Gets the initial time that redelivery of messages is delayed.

- virtual void **setInitialRedeliveryDelay** (long long value)

  Sets the initial time that redelivery will be delayed.

- virtual int **getMaximumRedeliveries** () const

  Gets the Maximum number of allowed redeliveries for a message before it will be discarded by the consumer.

- virtual void **setMaximumRedeliveries** (int value)

  Sets the Maximum allowable redeliveries for a Message.

- virtual bool **isUseCollisionAvoidance** () const
- virtual void **setUseCollisionAvoidance** (bool value)
- virtual bool **isUseExponentialBackOff** () const
- virtual void **setUseExponentialBackOff** (bool value)
- virtual long long **getRedeliveryDelay** (long long previousDelay)

  Given the last used redelivery delay calculate the next value of the delay based on the settings in this Policy instance.

- virtual **RedeliveryPolicy** ∗ **clone** () const

  Create a copy of this Policy and return it.

6.307.1 Constructor & Destructor Documentation

6.307.1.1 activemq::core::policies::DefaultRedeliveryPolicy::DefaultRedeliveryPolicy ( )

6.307.1.2 virtual activemq::core::policies::DefaultRedeliveryPolicy::∼DefaultRedeliveryPolicy ( ) [virtual]

6.307.2 Member Function Documentation

6.307.2.1 virtual RedeliveryPolicy∗ activemq::core::policies::DefaultRedeliveryPolicy::clone ( ) const [virtual]

Create a copy of this Policy and return it.

Returns

pointer to a new **RedeliveryPolicy** (p. 3267) that is a copy of this one.

Implements **activemq::core::RedeliveryPolicy** (p. 3269).

6.307.2.2 virtual double activemq::core::policies::DefaultRedeliveryPolicy::getBackOffMultiplier ( ) const [inline, virtual]

Returns

The value of the Back-Off Multiplier for Message Redelivery.

Implements **activemq::core::RedeliveryPolicy** (p. 3270).

6.307.2.3 virtual short activemq::core::policies::DefaultRedeliveryPolicy::getCollisionAvoidancePercent ( ) const [virtual]

Returns

the currently set Collision Avoidance percentage.

Implements **activemq::core::RedeliveryPolicy** (p. 3270).

6.307.2.4 virtual long long activemq::core::policies::DefaultRedeliveryPolicy::getInitialRedeliveryDelay ( ) const [inline, virtual]

Gets the initial time that redelivery of messages is delayed.

Returns

the time in milliseconds that redelivery is delayed initially.

Implements **activemq::core::RedeliveryPolicy** (p. 3270).

6.307.2.5 virtual int activemq::core::policies::DefaultRedeliveryPolicy::getMaximumRedeliveries ( ) const [inline, virtual]

Gets the Maximum number of allowed redeliveries for a message before it will be discarded by the consumer.

Returns

maximum allowed redeliveries for a message.

Implements **activemq::core::RedeliveryPolicy** (p. 3270).

6.307.2.6 virtual long long activemq::core::policies::DefaultRedeliveryPolicy::getRedeliveryDelay (long long *previousDelay*) [virtual]

Given the last used redelivery delay calculate the next value of the delay based on the settings in this Policy instance.

Parameters

previousDelay	The last delay that was used between message redeliveries.

Returns

the new delay to use before attempting another redelivery.

Implements **activemq::core::RedeliveryPolicy** (p. 3270).

6.307.2.7 virtual bool activemq::core::policies::DefaultRedeliveryPolicy::isUseCollisionAvoidance ( ) const [inline, virtual]

Returns

whether or not collision avoidance is enabled for this Policy.

Implements **activemq::core::RedeliveryPolicy** (p. 3271).

6.307.2.8 virtual bool activemq::core::policies::DefaultRedeliveryPolicy::isUseExponentialBackOff ( ) const [inline, virtual]

Returns

whether or not the exponential back off option is enabled.

Implements **activemq::core::RedeliveryPolicy** (p. 3271).

6.307.2.9 virtual void activemq::core::policies::DefaultRedeliveryPolicy::setBackOffMultiplier (double *value*) [inline, virtual]

Sets the Back-Off Multiplier for Message Redelivery.

Parameters

value	The new value for the back-off multiplier.

Implements **activemq::core::RedeliveryPolicy** (p. 3271).

6.307.2.10 virtual void activemq::core::policies::DefaultRedeliveryPolicy::setCollisionAvoidancePercent (short *value*) [virtual]

Parameters

value	The collision avoidance percentage setting.

Implements **activemq::core::RedeliveryPolicy** (p. 3271).

6.307.2.11 virtual void activemq::core::policies::DefaultRedeliveryPolicy::setInitialRedeliveryDelay (long long *value*) [inline, virtual]

Sets the initial time that redelivery will be delayed.

Parameters

value	Time in Milliseconds to wait before starting redelivery.

Implements **activemq::core::RedeliveryPolicy** (p. 3272).

6.307.2.12 virtual void activemq::core::policies::DefaultRedeliveryPolicy::setMaximumRedeliveries (int *maximumRedeliveries*) [inline, virtual]

Sets the Maximum allowable redeliveries for a Message.

Parameters

maximum-Redeliveries	The maximum number of times that a message will be redelivered.

Implements **activemq::core::RedeliveryPolicy** (p. 3272).

6.307.2.13 virtual void activemq::core::policies::DefaultRedeliveryPolicy::setUseCollisionAvoidance (bool *value*) [inline, virtual]

Parameters

value	Enable or Disable collision avoidance for this Policy.

Implements **activemq::core::RedeliveryPolicy** (p. 3272).

6.307.2.14 virtual void activemq::core::policies::DefaultRedeliveryPolicy::setUseExponentialBackOff (bool *value*) [inline, virtual]

Parameters

value	Enable or Disable the exponential back off multiplier option.

Implements **activemq::core::RedeliveryPolicy** (p. 3272).

The documentation for this class was generated from the following file:

- src/main/activemq/core/policies/**DefaultRedeliveryPolicy.h**

6.308 decaf::internal::net::DefaultServerSocketFactory Class Reference

Default implementation of the Decaf ServerSocketFactory, creates ServerSocket objects with supplied options.

`#include <src/main/decaf/internal/net/DefaultServerSocketFactory.h>`

Inheritance diagram for decaf::internal::net::DefaultServerSocketFactory:

Public Member Functions

- **DefaultServerSocketFactory** ()
- virtual ~**DefaultServerSocketFactory** ()
- virtual **decaf::net::ServerSocket** ∗ **createServerSocket** ()

  *Create a new **ServerSocket** (p. 3447) that is unbound.*
  *The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.*

  Returns

  *new **ServerSocket** (p. 3447) pointer that is owned by the caller.*

  Exceptions

IOException	*if the **ServerSocket** (p. 3447) cannot be created for some reason.*

- virtual **decaf::net::ServerSocket** ∗ **createServerSocket** (int port)

  *Create a new **ServerSocket** (p. 3447) that is bound to the given port.*
  *The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.*

  Parameters

port	*The port to bind the **ServerSocket** (p. 3447) to.*

  Returns

  *new **ServerSocket** (p. 3447) pointer that is owned by the caller.*

  Exceptions

IOException	*if the **ServerSocket** (p. 3447) cannot be created for some reason.*

- virtual **decaf::net::ServerSocket** ∗ **createServerSocket** (int port, int backlog)

  *Create a new **ServerSocket** (p. 3447) that is bound to the given port.*
  *The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will use the specified connection backlog setting.*

  Parameters

port	*The port to bind the **ServerSocket** (p. 3447) to.*
backlog	*The number of pending connect request the **ServerSocket** (p. 3447) can queue.*

  Returns

  *new **ServerSocket** (p. 3447) pointer that is owned by the caller.*

  Exceptions

IOException	*if the **ServerSocket** (p. 3447) cannot be created for some reason.*

- virtual **decaf::net::ServerSocket** ∗ **createServerSocket** (int port, int backlog, const **decaf::net::InetAddress** ∗address)

  *Create a new **ServerSocket** (p. 3447) that is bound to the given port.*
  *The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will bind to the specified interface on the local host, and accept connections only on that interface. If the address parameter is NULL than the **ServerSocket** (p. 3447) will listen on all interfaces.*

Parameters

port	*The port to bind the **ServerSocket** (p. 3447) to.*
backlog	*The number of pending connect request the **ServerSocket** (p. 3447) can queue.*
address	*The address of the interface on the local machine to bind to.*

Returns

*new **ServerSocket** (p. 3447) pointer that is owned by the caller.*

Exceptions

IOException	*if the **ServerSocket** (p. 3447) cannot be created for some reason.*

6.308.1 Detailed Description

Default implementation of the Decaf ServerSocketFactory, creates ServerSocket objects with supplied options.

Since

1.0

6.308.2 Constructor & Destructor Documentation

6.308.2.1 decaf::internal::net::DefaultServerSocketFactory::DefaultServerSocketFactory ( )

6.308.2.2 virtual decaf::internal::net::DefaultServerSocketFactory::∼DefaultServerSocketFactory ( ) [virtual]

6.308.3 Member Function Documentation

6.308.3.1 virtual decaf::net::ServerSocket∗ decaf::internal::net::DefaultServerSocketFactory::createServerSocket ( ) [virtual]

Create a new **ServerSocket** (p. 3447) that is unbound.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Reimplemented from **decaf::net::ServerSocketFactory** (p. 3458).

6.308.3.2 virtual decaf::net::ServerSocket* decaf::internal::net::DefaultServerSocketFactory::createServerSocket (int *port*, int *backlog*, const decaf::net::InetAddress * *address*) [virtual]

Create a new **ServerSocket** (p. 3447) that is bound to the given port.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will bind to the specified interface on the local host, and accept connections only on that interface. If the address parameter is NULL than the **ServerSocket** (p. 3447) will listen on all interfaces.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.
backlog	The number of pending connect request the **ServerSocket** (p. 3447) can queue.
address	The address of the interface on the local machine to bind to.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Implements **decaf::net::ServerSocketFactory** (p. 3459).

6.308.3.3 virtual decaf::net::ServerSocket* decaf::internal::net::DefaultServerSocketFactory::createServerSocket (int *port*, int *backlog*) [virtual]

Create a new **ServerSocket** (p. 3447) that is bound to the given port.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will use the specified connection backlog setting.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.
backlog	The number of pending connect request the **ServerSocket** (p. 3447) can queue.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Implements **decaf::net::ServerSocketFactory** (p. 3459).

6.308.3.4 virtual decaf::net::ServerSocket* decaf::internal::net::DefaultServerSocketFactory::createServerSocket (int *port*) [virtual]

Create a new **ServerSocket** (p. 3447) that is bound to the given port.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Implements **decaf::net::ServerSocketFactory** (p. 3458).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/**DefaultServerSocketFactory.h**

6.309 decaf::internal::net::DefaultSocketFactory Class Reference

SocketFactory implementation that is used to create Sockets.

`#include <src/main/decaf/internal/net/DefaultSocketFactory.h>`

Inheritance diagram for decaf::internal::net::DefaultSocketFactory:

Public Member Functions

- **DefaultSocketFactory** ()
- virtual ~**DefaultSocketFactory** ()
- virtual **decaf::net::Socket** * **createSocket** () throw (decaf::io::IOException)

  *Creates an unconnected **Socket** (p. 3607) object.*

  Returns

  *a new **Socket** (p. 3607) object, caller must free this object when done.*

  Exceptions

IOException	*if the **Socket** (p. 3607) cannot be created.*

- virtual **decaf::net::Socket** ∗ **createSocket** (const **decaf::net::InetAddress** ∗host, int port) throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*

  Parameters

host	*The host to connect the socket to.*
port	*The port on the remote host to connect to.*

  Returns

  *a new **Socket** (p. 3607) object, caller must free this object when done.*

  Exceptions

IOException	*if an I/O error occurs while creating the **Socket** (p. 3607) object.*
UnknownHostException (p. 4019)	*if the host name is not known.*

- virtual **decaf::net::Socket** ∗ **createSocket** (const **decaf::net::InetAddress** ∗host, int port, const **decaf::net::InetAddress** ∗ifAddress, int localPort) throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*
  *The **Socket** (p. 3607) will be bound to the specified local address and port.*

  Parameters

host	*The host to connect the socket to.*
port	*The port on the remote host to connect to.*
ifAddress	*The address on the local machine to bind the **Socket** (p. 3607) to.*
localPort	*The local port to bind the **Socket** (p. 3607) to.*

  Returns

  *a new **Socket** (p. 3607) object, caller must free this object when done.*

  Exceptions

IOException	*if an I/O error occurs while creating the **Socket** (p. 3607) object.*
UnknownHostException (p. 4019)	*if the host name is not known.*

- virtual **decaf::net::Socket** ∗ **createSocket** (const std::string &name, int port) throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*

  Parameters

host	*The host name or IP address to connect the socket to.*
port	*The port on the remote host to connect to.*

  Returns

  *a new **Socket** (p. 3607) object, caller must free this object when done.*

Exceptions

IOException	*if an I/O error occurs while creating the* ***Socket*** *(p. 3607) object.*
UnknownHostException (p. 4019)	*if the host name is not known.*

- virtual **decaf::net::Socket** ∗ **createSocket** (const std::string &name, int port, const **decaf::net::InetAddress** ∗ifAddress, int localPort) throw (decaf::io::IOException, decaf::net::UnknownHostException)

  Creates a new ***Socket*** *(p. 3607) object and connects it to the specified remote host and port using the configuration of this* ***SocketFactory*** *(p. 3629).*

  Parameters

host	*The host name or IP address to connect the socket to.*
port	*The port on the remote host to connect to.*
ifAddress	*The address on the local machine to bind the* ***Socket*** *(p. 3607) to.*
localPort	*The local port to bind the* ***Socket*** *(p. 3607) to.*

  Returns

  a new ***Socket*** *(p. 3607) object, caller must free this object when done.*

  Exceptions

IOException	*if an I/O error occurs while creating the* ***Socket*** *(p. 3607) object.*
UnknownHostException (p. 4019)	*if the host name is not known.*

6.309.1 Detailed Description

SocketFactory implementation that is used to create Sockets.

Since

1.0

6.309.2 Constructor & Destructor Documentation

6.309.2.1 decaf::internal::net::DefaultSocketFactory::DefaultSocketFactory ( )

6.309.2.2 virtual decaf::internal::net::DefaultSocketFactory::~DefaultSocketFactory ( ) [virtual]

6.309.3 Member Function Documentation

6.309.3.1 virtual decaf::net::Socket* decaf::internal::net::DefaultSocketFactory::createSocket ( ) throw (decaf::io::IOException) [virtual]

Creates an unconnected **Socket** (p. 3607) object.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if the **Socket** (p. 3607) cannot be created.

Reimplemented from **decaf::net::SocketFactory** (p. 3631).

6.309.3.2 virtual decaf::net::Socket* decaf::internal::net::DefaultSocketFactory::createSocket (const std::string & *name*, int *port*, const decaf::net::InetAddress * *ifAddress*, int *localPort*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

Parameters

host	The host name or IP address to connect the socket to.
port	The port on the remote host to connect to.
ifAddress	The address on the local machine to bind the **Socket** (p. 3607) to.
localPort	The local port to bind the **Socket** (p. 3607) to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException *(p. 4019)*	if the host name is not known.

Implements **decaf::net::SocketFactory** (p. 3632).

6.309.3.3 virtual decaf::net::Socket* decaf::internal::net::DefaultSocketFactory::createSocket (const std::string & *name*, int *port*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

Parameters

host	The host name or IP address to connect the socket to.
port	The port on the remote host to connect to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException (p. *4019*)	if the host name is not known.

Implements **decaf::net::SocketFactory** (p. 3632).

6.309.3.4 virtual decaf::net::Socket* decaf::internal::net::DefaultSocketFactory::createSocket (const decaf::net::InetAddress * *host*, int *port*, const decaf::net::InetAddress * *ifAddress*, int *localPort*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

The **Socket** (p. 3607) will be bound to the specified local address and port.

Parameters

host	The host to connect the socket to.
port	The port on the remote host to connect to.
ifAddress	The address on the local machine to bind the **Socket** (p. 3607) to.
localPort	The local port to bind the **Socket** (p. 3607) to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException (p. *4019*)	if the host name is not known.

Implements **decaf::net::SocketFactory** (p. 3633).

6.309.3.5 virtual decaf::net::Socket* decaf::internal::net::DefaultSocketFactory::createSocket (const decaf::net::InetAddress * *host*, int *port*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

Parameters

host	The host to connect the socket to.
port	The port on the remote host to connect to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException (p. *4019*)	if the host name is not known.

Implements **decaf::net::SocketFactory** (p. 3631).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/**DefaultSocketFactory.h**

6.310 decaf::internal::net::ssl::DefaultSSLContext Class Reference

Default SSLContext manager for the Decaf library.

```
#include <src/main/decaf/internal/net/ssl/DefaultSSLContext.h>
```

Public Member Functions

- virtual ~**DefaultSSLContext** ()

Static Public Member Functions

- static **decaf::net::ssl::SSLContext** ∗ **getContext** ()

Protected Member Functions

- **DefaultSSLContext** ()

6.310.1 Detailed Description

Default SSLContext manager for the Decaf library. If the user doesn't supply or specify the SSLContext that they wish to use then we load the Decaf library's default SSLContext using whatever SSL provider is enabled an preferred.

Since

1.0

6.310.2 Constructor & Destructor Documentation

6.310.2.1 decaf::internal::net::ssl::DefaultSSLContext::DefaultSSLContext ( )

[protected]

6.310.2.2 virtual decaf::internal::net::ssl::DefaultSSLContext::∼DefaultSSLContext ( )

[virtual]

6.310.3 Member Function Documentation

6.310.3.1 static decaf::net::ssl::SSLContext∗ decaf::internal::net::ssl::DefaultSSLContext::getContext ( )

[static]

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/ssl/**DefaultSSLContext.h**

6.311 decaf::internal::net::ssl::DefaultSSLServerSocketFactory Class Reference

Default implementation of the SSLServerSocketFactory, this factory throws an Exception from all its create methods to indicate that SSL is not supported, this factory is used when OpenSSL is not enabled in the builds.

```
#include <src/main/decaf/internal/net/ssl/DefaultSSLServerSocketFactory.h>
```

Inheritance diagram for decaf::internal::net::ssl::DefaultSSLServerSocketFactory:

Public Member Functions

- **DefaultSSLServerSocketFactory** (const std::string &errorMessage)
- virtual ~**DefaultSSLServerSocketFactory** ()
- virtual **decaf::net::ServerSocket** ∗ **createServerSocket** ()

  *Create a new **ServerSocket** (p. 3447) that is unbound.*
  *The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.*

  Returns

  *new **ServerSocket** (p. 3447) pointer that is owned by the caller.*

  Exceptions

IOException	*if the **ServerSocket** (p. 3447) cannot be created for some reason.*

- virtual **decaf::net::ServerSocket** ∗ **createServerSocket** (int port)

  *Create a new **ServerSocket** (p. 3447) that is bound to the given port.*
  *The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.*

  Parameters

port	*The port to bind the **ServerSocket** (p. 3447) to.*

  Returns

  *new **ServerSocket** (p. 3447) pointer that is owned by the caller.*

  Exceptions

IOException	*if the **ServerSocket** (p. 3447) cannot be created for some reason.*

- virtual **decaf::net::ServerSocket** ∗ **createServerSocket** (int port, int backlog)

  *Create a new **ServerSocket** (p. 3447) that is bound to the given port.*
  *The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will use the specified connection backlog setting.*

  Parameters

port	*The port to bind the **ServerSocket** (p. 3447) to.*
backlog	*The number of pending connect request the **ServerSocket** (p. 3447) can queue.*

  Returns

  *new **ServerSocket** (p. 3447) pointer that is owned by the caller.*

  Exceptions

IOException	*if the **ServerSocket** (p. 3447) cannot be created for some reason.*

- virtual **decaf::net::ServerSocket** ∗ **createServerSocket** (int port, int backlog,

const **decaf::net::InetAddress** *address)

*Create a new **ServerSocket** (p. 3447) that is bound to the given port.*
*The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will bind to the specified interface on the local host, and accept connections only on that interface. If the address parameter is NULL than the **ServerSocket** (p. 3447) will listen on all interfaces.*

Parameters

port	*The port to bind the **ServerSocket** (p. 3447) to.*
backlog	*The number of pending connect request the **ServerSocket** (p. 3447) can queue.*
address	*The address of the interface on the local machine to bind to.*

Returns

*new **ServerSocket** (p. 3447) pointer that is owned by the caller.*

Exceptions

IOException	*if the **ServerSocket** (p. 3447) cannot be created for some reason.*

- virtual std::vector< std::string > **getDefaultCipherSuites** ()

  Returns the list of cipher suites which are enabled by default.
  Unless a different list is enabled, handshaking on an SSL connection will use one of these cipher suites. The minimum quality of service for these defaults requires confidentiality protection and server authentication (that is, no anonymous cipher suites).

  Returns

  an STL vector containing the list of cipher suites enabled by default.

  See also

  ***getSupportedCipherSuites()** (p. 3670)*

- virtual std::vector< std::string > **getSupportedCipherSuites** ()

  Returns the names of the cipher suites which could be enabled for use on an SSL connection.
  Normally, only a subset of these will actually be enabled by default, since this list may include cipher suites which do not meet quality of service requirements for those defaults. Such cipher suites are useful in specialized applications.

  Returns

  an STL vector containing the list of supported cipher suites.

  See also

  ***getDefaultCipherSuites()** (p. 3669)*

6.311.1 Detailed Description

Default implementation of the SSLServerSocketFactory, this factory throws an Exception from all its create methods to indicate that SSL is not supported, this factory is used when OpenSSL is not enabled in the builds.

Since

1.0

6.311.2 Constructor & Destructor Documentation

6.311.2.1 decaf::internal::net::ssl::DefaultSSLServerSocketFactory::DefaultSSLServerSocketFactory (const std::string & *errorMessage*)

6.311.2.2 virtual decaf::internal::net::ssl::DefaultSSLServerSocketFactory::~DefaultSSLServerSocketFactory ( ) [virtual]

6.311.3 Member Function Documentation

6.311.3.1 virtual decaf::net::ServerSocket* decaf::internal::net::ssl::DefaultSSLServerSocketFactory::createServerSocket ( ) [virtual]

Create a new **ServerSocket** (p. 3447) that is unbound.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Reimplemented from **decaf::net::ServerSocketFactory** (p. 3458).

6.311.3.2 virtual decaf::net::ServerSocket* decaf::internal::net::ssl::DefaultSSLServerSocketFactory::createServerSocket (int *port*) [virtual]

Create a new **ServerSocket** (p. 3447) that is bound to the given port.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Implements **decaf::net::ServerSocketFactory** (p. 3458).

6.311.3.3 virtual decaf::net::ServerSocket* decaf::internal::net::ssl::DefaultSSLServerSocketFactory::createServerSocket (int *port*, int *backlog*, const decaf::net::InetAddress * *address*) [virtual]

Create a new **ServerSocket** (p. 3447) that is bound to the given port.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will bind to the specified interface on the local host, and accept connections only on that interface. If the address parameter is NULL than the **ServerSocket** (p. 3447) will listen on all interfaces.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.
backlog	The number of pending connect request the **ServerSocket** (p. 3447) can queue.
address	The address of the interface on the local machine to bind to.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Implements **decaf::net::ServerSocketFactory** (p. 3459).

6.311.3.4 virtual decaf::net::ServerSocket* decaf::internal::net::ssl::DefaultSSLServerSocketFactory::createServerSocket (int *port*, int *backlog*) [virtual]

Create a new **ServerSocket** (p. 3447) that is bound to the given port.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will use the specified connection backlog setting.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.
backlog	The number of pending connect request the **ServerSocket** (p. 3447) can queue.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Implements **decaf::net::ServerSocketFactory** (p. 3459).

6.311.3.5 virtual std::vector<std::string> decaf::internal::net::ssl::DefaultSSLServerSocketFactory::getDefaultCipherSuites ( ) [virtual]

Returns the list of cipher suites which are enabled by default.

Unless a different list is enabled, handshaking on an SSL connection will use one of these cipher suites. The minimum quality of service for these defaults requires confidentiality protection and server authentication (that is, no anonymous cipher suites).

Returns

an STL vector containing the list of cipher suites enabled by default.

See also

getSupportedCipherSuites() (p. 3670)

Implements **decaf::net::ssl::SSLServerSocketFactory** (p. 3669).

6.311.3.6 virtual std::vector<std::string> decaf::internal::net::ssl::DefaultSSLServerSocketFactory::getSupportedCipherSuites ( ) [virtual]

Returns the names of the cipher suites which could be enabled for use on an SSL connection.

Normally, only a subset of these will actually be enabled by default, since this list may include cipher suites which do not meet quality of service requirements for those defaults. Such cipher suites are useful in specialized applications.

Returns

an STL vector containing the list of supported cipher suites.

See also

getDefaultCipherSuites() (p. 3669)

Implements **decaf::net::ssl::SSLServerSocketFactory** (p. 3670).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/ssl/**DefaultSSLServerSocketFactory.h**

6.312 decaf::internal::net::ssl::DefaultSSLSocketFactory Class Reference

Default implementation of the SSLSocketFactory, this factory throws an Exception from all its create methods to indicate that SSL is not supported, this factory is used when OpenSSL is not enabled in the builds.

`#include <src/main/decaf/internal/net/ssl/DefaultSSLSocketFactory.h>`

Inheritance diagram for decaf::internal::net::ssl::DefaultSSLSocketFactory:

Public Member Functions

- **DefaultSSLSocketFactory** (const std::string &errorMessage)
- virtual ~**DefaultSSLSocketFactory** ()
- virtual **decaf::net::Socket** ∗ **createSocket** () throw (decaf::io::IOException)

  *Creates an unconnected **Socket** (p. 3607) object.*

  Returns

  *a new **Socket** (p. 3607) object, caller must free this object when done.*

  Exceptions

IOException	*if the **Socket** (p. 3607) cannot be created.*

- virtual **decaf::net::Socket** ∗ **createSocket** (const **decaf::net::InetAddress** ∗host, int port) throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*

  Parameters

host	*The host to connect the socket to.*
port	*The port on the remote host to connect to.*

  Returns

  *a new **Socket** (p. 3607) object, caller must free this object when done.*

  Exceptions

IOException	*if an I/O error occurs while creating the **Socket** (p. 3607) object.*
UnknownHostException (p. 4019)	*if the host name is not known.*

- virtual **decaf::net::Socket** ∗ **createSocket** (const **decaf::net::InetAddress** ∗host, int port, const **decaf::net::InetAddress** ∗ifAddress, int localPort) throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*
  *The **Socket** (p. 3607) will be bound to the specified local address and port.*

  Parameters

host	*The host to connect the socket to.*
port	*The port on the remote host to connect to.*
ifAddress	*The address on the local machine to bind the **Socket** (p. 3607) to.*
localPort	*The local port to bind the **Socket** (p. 3607) to.*

Returns

*a new **Socket** (p. 3607) object, caller must free this object when done.*

Exceptions

IOException	*if an I/O error occurs while creating the **Socket** (p. 3607) object.*
UnknownHostException (p. 4019)	*if the host name is not known.*

- virtual **decaf::net::Socket** ∗ **createSocket** (const std::string &name, int port) throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*

  Parameters

host	*The host name or IP address to connect the socket to.*
port	*The port on the remote host to connect to.*

  Returns

  *a new **Socket** (p. 3607) object, caller must free this object when done.*

  Exceptions

IOException	*if an I/O error occurs while creating the **Socket** (p. 3607) object.*
UnknownHostException (p. 4019)	*if the host name is not known.*

- virtual **decaf::net::Socket** ∗ **createSocket** (const std::string &name, int port, const **decaf::net::InetAddress** ∗ifAddress, int localPort) throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*

  Parameters

host	*The host name or IP address to connect the socket to.*
port	*The port on the remote host to connect to.*
ifAddress	*The address on the local machine to bind the **Socket** (p. 3607) to.*
localPort	*The local port to bind the **Socket** (p. 3607) to.*

  Returns

  *a new **Socket** (p. 3607) object, caller must free this object when done.*

  Exceptions

IOException	*if an I/O error occurs while creating the **Socket** (p. 3607) object.*
UnknownHostException (p. 4019)	*if the host name is not known.*

- virtual std::vector< std::string > **getDefaultCipherSuites** ()

  Returns the list of cipher suites which are enabled by default.

Unless a different list is enabled, handshaking on an SSL connection will use one of these cipher suites. The minimum quality of service for these defaults requires confidentiality protection and server authentication (that is, no anonymous cipher suites).

Returns

an STL vector containing the list of cipher suites enabled by default.

See also

getSupportedCipherSuites() *(p. 3682)*

- virtual std::vector< std::string > **getSupportedCipherSuites** ()

Returns the names of the cipher suites which could be enabled for use on an SSL connection.
Normally, only a subset of these will actually be enabled by default, since this list may include cipher suites which do not meet quality of service requirements for those defaults. Such cipher suites are useful in specialized applications.

Returns

an STL vector containing the list of supported cipher suites.

See also

getDefaultCipherSuites() *(p. 3681)*

- virtual **decaf::net::Socket** ∗ **createSocket** (**decaf::net::Socket** ∗socket, std::string host, int port, bool autoClose)

Returns a socket layered over an existing socket connected to the named host, at the given port.
This constructor can be used when tunneling SSL through a proxy or when negotiating the use of SSL over an existing socket. The host and port refer to the logical peer destination. This socket is configured using the socket options established for this factory.

Parameters

socket	*The existing socket to layer over.*
host	*The server host the original **Socket** (p. 3607) is connected to.*
port	*The server port the original **Socket** (p. 3607) is connected to.*
autoClose	*Should the layered over **Socket** (p. 3607) be closed when the topmost socket is closed.*

Returns

*a new **Socket** (p. 3607) instance that wraps the given **Socket** (p. 3607).*

Exceptions

IOException	*if an I/O exception occurs while performing this operation.*
UnknownHostException (p. 4019)	*if the host is unknown.*

6.312.1 Detailed Description

Default implementation of the SSLSocketFactory, this factory throws an Exception from all its create methods to indicate that SSL is not supported, this factory is used when OpenSSL is not enabled in the builds.

Since

1.0

6.312.2 Constructor & Destructor Documentation

6.312.2.1 decaf::internal::net::ssl::DefaultSSLSocketFactory::DefaultSSLSocketFactory (const std::string & *errorMessage*)

6.312.2.2 virtual decaf::internal::net::ssl::DefaultSSLSocketFactory::~DefaultSSLSocketFactory ( ) [virtual]

6.312.3 Member Function Documentation

6.312.3.1 virtual decaf::net::Socket* decaf::internal::net::ssl::DefaultSSLSocketFactory::createSocket ( ) throw (decaf::io::IOException) [virtual]

Creates an unconnected **Socket** (p. 3607) object.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if the **Socket** (p. 3607) cannot be created.

Reimplemented from **decaf::net::SocketFactory** (p. 3631).

6.312.3.2 virtual decaf::net::Socket* decaf::internal::net::ssl::DefaultSSLSocketFactory::createSocket (decaf::net::Socket * *socket*, std::string *host*, int *port*, bool *autoClose*) [virtual]

Returns a socket layered over an existing socket connected to the named host, at the given port.

This constructor can be used when tunneling SSL through a proxy or when negotiating the use of SSL over an existing socket. The host and port refer to the logical peer destination. This socket is configured using the socket options established for this factory.

Parameters

socket	The existing socket to layer over.

host	The server host the original **Socket** (p. 3607) is connected to.
port	The server port the original **Socket** (p. 3607) is connected to.
autoClose	Should the layered over **Socket** (p. 3607) be closed when the topmost socket is closed.

Returns

a new **Socket** (p. 3607) instance that wraps the given **Socket** (p. 3607).

Exceptions

IOException	if an I/O exception occurs while performing this operation.
UnknownHostException (p. *4019*)	if the host is unknown.

Implements **decaf::net::ssl::SSLSocketFactory** (p. 3680).

6.312.3.3 virtual decaf::net::Socket* decaf::internal::net::ssl::DefaultSSLSocketFactory::createSocket (const decaf::net::InetAddress * *host*, int *port*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

Parameters

host	The host to connect the socket to.
port	The port on the remote host to connect to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException (p. *4019*)	if the host name is not known.

Implements **decaf::net::SocketFactory** (p. 3631).

6.312.3.4 virtual decaf::net::Socket* decaf::internal::net::ssl::DefaultSSLSocketFactory::createSocket (const std::string & *name*, int *port*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

Parameters

host	The host name or IP address to connect the socket to.
port	The port on the remote host to connect to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException (p. *4019*)	if the host name is not known.

Implements **decaf::net::SocketFactory** (p. 3632).

6.312.3.5 virtual decaf::net::Socket* decaf::internal::net::ssl::DefaultSSLSocketFactory::createSocket (const std::string & *name*, int *port*, const decaf::net::InetAddress * *ifAddress*, int *localPort*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

Parameters

host	The host name or IP address to connect the socket to.
port	The port on the remote host to connect to.
ifAddress	The address on the local machine to bind the **Socket** (p. 3607) to.
localPort	The local port to bind the **Socket** (p. 3607) to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException (p. *4019*)	if the host name is not known.

Implements **decaf::net::SocketFactory** (p. 3632).

6.312.3.6 virtual decaf::net::Socket* decaf::internal::net::ssl::DefaultSSLSocketFactory::createSocket (const decaf::net::InetAddress * *host,* int *port,* const decaf::net::InetAddress * *ifAddress,* int *localPort*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

The **Socket** (p. 3607) will be bound to the specified local address and port.

Parameters

host	The host to connect the socket to.
port	The port on the remote host to connect to.
ifAddress	The address on the local machine to bind the **Socket** (p. 3607) to.
localPort	The local port to bind the **Socket** (p. 3607) to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException *(p. 4019)*	if the host name is not known.

Implements **decaf::net::SocketFactory** (p. 3633).

6.312.3.7 virtual std::vector<std::string> decaf::internal::net::ssl::DefaultSSLSocketFactory::getDefaultCipherSuites ( ) [virtual]

Returns the list of cipher suites which are enabled by default.

Unless a different list is enabled, handshaking on an SSL connection will use one of these cipher suites. The minimum quality of service for these defaults requires confidentiality protection and server authentication (that is, no anonymous cipher suites).

Returns

an STL vector containing the list of cipher suites enabled by default.

See also

getSupportedCipherSuites() (p. 3682)

Implements **decaf::net::ssl::SSLSocketFactory** (p. 3681).

6.312.3.8 virtual std::vector<std::string> decaf::internal::net::ssl::DefaultSSLSocketFactory::getSupportedCipherSuites ( ) [virtual]

Returns the names of the cipher suites which could be enabled for use on an SSL connection.

Normally, only a subset of these will actually be enabled by default, since this list may include cipher suites which do not meet quality of service requirements for those defaults. Such cipher suites are useful in specialized applications.

Returns

an STL vector containing the list of supported cipher suites.

See also

getDefaultCipherSuites() (p. 3681)

Implements **decaf::net::ssl::SSLSocketFactory** (p. 3682).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/ssl/**DefaultSSLSocketFactory.h**

6.313 activemq::transport::DefaultTransportListener Class Reference

`#include <src/main/activemq/transport/DefaultTransportListener.h>`

Inheritance diagram for activemq::transport::DefaultTransportListener:

Public Member Functions

- virtual ~**DefaultTransportListener** ()
- virtual void **onCommand** (const **Pointer**< **Command** > &command AMQCPP_UNUSED)

  Event handler for the receipt of a command.

- virtual void **onException** (const **decaf::lang::Exception** &ex AMQCPP_UNUSED)

  Event handler for an exception from a command transport.

- virtual void **transportInterrupted** ()

  The transport has suffered an interruption from which it hopes to recover.

- virtual void **transportResumed** ()

  The transport has resumed after an interruption.

6.313.1 Constructor & Destructor Documentation

6.313.1.1 virtual activemq::transport::DefaultTransportListener::~DefaultTransportListener ( ) [inline, virtual]

6.313.2 Member Function Documentation

6.313.2.1 virtual void activemq::transport::DefaultTransportListener::onCommand (const Pointer< Command > &command *AMQCPP_UNUSED*) [inline, virtual]

Event handler for the receipt of a command.

The transport passes off all received commands to its listeners, the listener then owns the Object. If there is no registered listener the **Transport** (p. 3996) deletes the command upon receipt.

Parameters

command	the received command object.

6.313.2.2 virtual void activemq::transport::DefaultTransportListener::onException (const decaf::lang::Exception &ex *AMQCPP_UNUSED*) [inline, virtual]

Event handler for an exception from a command transport.

Parameters

ex	The exception.

6.313.2.3 virtual void activemq::transport::DefaultTransportListener::transportInterrupted ( ) [inline, virtual]

The transport has suffered an interruption from which it hopes to recover.

Implements **activemq::transport::TransportListener** (p. 4015).

6.313.2.4 virtual void activemq::transport::DefaultTransportListener::transportResumed ( ) [inline, virtual]

The transport has resumed after an interruption.

Implements **activemq::transport::TransportListener** (p. 4015).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/**DefaultTransportListener.h**

6.314 decaf::util::zip::Deflater Class Reference

This class compresses data using the *DEFLATE* algorithm (see `specification`).

`#include <src/main/decaf/util/zip/Deflater.h>`

Public Member Functions

- **Deflater** (int level, bool nowrap=false)

  Creates a new compressor using the specified compression level.

- **Deflater** ()

  Creates a new compressor with the default compression level.

- virtual ~**Deflater** ()
- void **setInput** (const unsigned char *buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateException)

  Sets input data for compression.

- void **setInput** (const std::vector< unsigned char > &buffer, int offset, int length) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateException)

  Sets input data for compression.

- void **setInput** (const std::vector< unsigned char > &buffer) throw (decaf::lang::exceptions::IllegalStateException)

  Sets input data for compression.

- void **setDictionary** (const unsigned char *buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateException)

  Sets preset dictionary for compression.

- void **setDictionary** (const std::vector< unsigned char > &buffer, int offset, int length) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateException)

  Sets preset dictionary for compression.

- void **setDictionary** (const std::vector< unsigned char > &buffer) throw (decaf::lang::exceptions::IllegalStateException)

  Sets preset dictionary for compression.

- void **setStrategy** (int strategy) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Sets the compression strategy to the specified value.

- void **setLevel** (int level) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Sets the compression level to the specified value.

- bool **needsInput** () const
- void **finish** ()

  When called, indicates that compression should end with the current contents of the input buffer.

- bool **finished** () const
- int **deflate** (unsigned char *buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateException)

  Fills specified buffer with compressed data.

- int **deflate** (std::vector< unsigned char > &buffer, int offset, int length) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateException)

  Fills specified buffer with compressed data.

- int **deflate** (std::vector< unsigned char > &buffer) throw (decaf::lang::exceptions::IllegalStateException)

  Fills specified buffer with compressed data.

- long long **getAdler** () const throw (decaf::lang::exceptions::IllegalStateException)
- long long **getBytesRead** () const throw (decaf::lang::exceptions::IllegalStateException)
- long long **getBytesWritten** () const throw (decaf::lang::exceptions::IllegalStateException)
- void **reset** () throw (decaf::lang::exceptions::IllegalStateException)

  Resets deflater so that a new set of input data can be processed.

- void **end** ()

  Closes the compressor and discards any unprocessed input.

Static Public Attributes

- static const int **BEST_SPEED**

  Compression level for fastest compression.

- static const int **BEST_COMPRESSION**

  Compression level for best compression.

- static const int **DEFAULT_COMPRESSION**

  Default compression level.

- static const int **DEFLATED**

  Compression method for the deflate algorithm (the only one currently supported).

- static const int **NO_COMPRESSION**

  Compression level for no compression.

- static const int **FILTERED**

  Compression strategy best used for data consisting mostly of small values with a somewhat random distribution.

- static const int **HUFFMAN_ONLY**

  Compression strategy for Huffman coding only.

- static const int **DEFAULT_STRATEGY**

  Default compression strategy.

6.314.1 Detailed Description

This class compresses data using the *DEFLATE* algorithm (see `specification`). Basically this class is part of the API to the stream based ZLIB compression library and is used as such by **DeflaterOutputStream** (p. 1769) and its descendants.

The typical usage of a **Deflater** (p. 1759) instance outside this package consists of a specific call to one of its constructors before being passed to an instance of **DeflaterOutputStream** (p. 1769).

See also

DeflaterOutputStream (p. 1769)
Inflater (p. 2088)

Since

1.0

6.314.2 Constructor & Destructor Documentation

6.314.2.1 decaf::util::zip::Deflater::Deflater (int *level*, bool *nowrap* = `false`)

Creates a new compressor using the specified compression level.

If 'nowrap' is true then the ZLIB header and checksum fields will not be used in order to support the compression format used in both GZIP and PKZIP.

Parameters

level	The compression level to use (0-9).
nowrap	If true uses GZip compatible compression (defaults to false).

6.314.2.2 decaf::util::zip::Deflater::Deflater ( )

Creates a new compressor with the default compression level.

Compressed data will be generated in ZLIB format.

6.314.2.3 virtual decaf::util::zip::Deflater::~Deflater ( ) [virtual]

6.314.3 Member Function Documentation

6.314.3.1 int decaf::util::zip::Deflater::deflate (unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (**decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**, **decaf::lang::exceptions::IllegalStateException**)

Fills specified buffer with compressed data.

Returns actual number of bytes of compressed data. A return value of 0 indicates that **needsInput**() (p. 1764) should be called in order to determine if more input data is required.

Parameters

buffer	The Buffer to write the compressed data to.
size	The size of the passed buffer.
offset	The position in the Buffer to start writing at.
length	The maximum number of byte of data to write.

Returns

the actual number of bytes of compressed data.

Exceptions

NullPointerException	if buffer is NULL.
IndexOutOfBoundsException	if the offset + length > size of the buffer.
IllegalStateException	if in the end state.

6.314.3.2 int decaf::util::zip::Deflater::deflate (std::vector< unsigned char > & *buffer*, int *offset*, int *length*) throw (**decaf::lang::exceptions::IndexOutOfBoundsException**, **decaf::lang::exceptions::IllegalStateException**)

Fills specified buffer with compressed data.

Returns actual number of bytes of compressed data. A return value of 0 indicates that **needsInput**() (p. 1764) should be called in order to determine if more input data is required.

Parameters

buffer	The Buffer to write the compressed data to.
offset	The position in the Buffer to start writing at.
length	The maximum number of byte of data to write.

Returns

the actual number of bytes of compressed data.

Exceptions

IndexOutOfBoundsException	if the offset + length > size of the buffer.
IllegalStateException	if in the end state.

6.314.3.3 int decaf::util::zip::Deflater::deflate (std::vector< unsigned char > & *buffer*) throw (decaf::lang::exceptions::IllegalStateException)

Fills specified buffer with compressed data.

Returns actual number of bytes of compressed data. A return value of 0 indicates that **needsInput()** (p. 1764) should be called in order to determine if more input data is required.

Parameters

buffer	The Buffer to write the compressed data to.

Returns

the actual number of bytes of compressed data.

Exceptions

IllegalStateException	if in the end state.

6.314.3.4 void decaf::util::zip::Deflater::end ( )

Closes the compressor and discards any unprocessed input.

This method should be called when the compressor is no longer being used, but will also be called automatically by the destructor. Once this method is called, the behavior of the **Deflater** (p. 1759) object is undefined.

6.314.3.5 void decaf::util::zip::Deflater::finish ( )

When called, indicates that compression should end with the current contents of the input buffer.

6.314.3.6 bool decaf::util::zip::Deflater::finished ( ) const

Returns

true if the end of the compressed data output stream has been reached.

6.314.3.7 long long decaf::util::zip::Deflater::getAdler ( ) const throw (decaf::lang::exceptions::IllegalStateException)

Returns

the ADLER-32 value of the uncompressed data.

Exceptions

IllegalStateException	if in the end state.

6.314.3.8 long long decaf::util::zip::Deflater::getBytesRead ( ) const throw (decaf::lang::exceptions::IllegalStateException)

Returns

the total number of uncompressed bytes input so far.

Exceptions

IllegalStateException	if in the end state.

6.314.3.9 long long decaf::util::zip::Deflater::getBytesWritten ( ) const throw (decaf::lang::exceptions::IllegalStateException)

Returns

the total number of compressed bytes output so far.

Exceptions

IllegalStateException	if in the end state.

6.314.3.10 bool decaf::util::zip::Deflater::needsInput ( ) const

Returns

true if the input data buffer is empty and **setInput()** (p. 1767) should be called in order to provide more input

6.314.3.11 void decaf::util::zip::Deflater::reset ( ) throw (decaf::lang::exceptions::IllegalStateException)

Resets deflater so that a new set of input data can be processed.

Keeps current compression level and strategy settings.

Exceptions

IllegalStateException	if in the end state.

6.314.3.12 void decaf::util::zip::Deflater::setDictionary (const std::vector< unsigned char > & *buffer*, int *offset*, int *length*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateException)

Sets preset dictionary for compression.

A preset dictionary is used when the history buffer can be predetermined. When the data is later uncompressed with **Inflater.inflate()** (p. 2093), **Inflater.getAdler()** (p. 2091) can be called in order to get the Adler-32 value of the dictionary required for decompression.

Parameters

buffer	The buffer containing the preset dictionary.
offset	The position in the Buffer to start reading from.
length	The number of bytes to read from the input buffer.

Exceptions

IndexOutOfBoundsException	if the offset + length > size of the buffer.
IllegalStateException	if in the end state.

6.314.3.13 void decaf::util::zip::Deflater::setDictionary (const unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateException)

Sets preset dictionary for compression.

A preset dictionary is used when the history buffer can be predetermined. When the data is later uncompressed with **Inflater.inflate()** (p. 2093), **Inflater.getAdler()** (p. 2091) can be called in order to get the Adler-32 value of the dictionary required for decompression.

Parameters

buffer	The buffer containing the preset dictionary.
size	The size of the passed dictionary buffer.
offset	The position in the Buffer to start reading from.
length	The number of bytes to read from the input buffer.

Exceptions

NullPointerException	if buffer is NULL.
IndexOutOfBoundsException	if the offset + length > size of the buffer.
IllegalStateException	if in the end state.

6.314.3.14 void decaf::util::zip::Deflater::setDictionary (const std::vector< unsigned char > & *buffer*) throw (decaf::lang::exceptions::IllegalStateException)

Sets preset dictionary for compression.

A preset dictionary is used when the history buffer can be predetermined. When the data is later uncompressed with **Inflater.inflate()** (p. 2093), **Inflater.getAdler()** (p. 2091) can be called in order to get the Adler-32 value of the dictionary required for decompression.

Parameters

buffer	The buffer containing the preset dictionary.

Exceptions

IllegalStateException	if in the end state.

6.314.3.15 void decaf::util::zip::Deflater::setInput (const std::vector< unsigned char > & *buffer*) throw (decaf::lang::exceptions::IllegalStateException)

Sets input data for compression.

This should be called whenever **needsInput()** (p. 1764) returns true indicating that more input data is required.

Parameters

buffer	The Buffer to read in for compression.

Exceptions

IllegalStateException	if in the end state.

6.314.3.16 void decaf::util::zip::Deflater::setInput (const std::vector< unsigned char > & *buffer*, int *offset*, int *length*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateException)

Sets input data for compression.

This should be called whenever **needsInput()** (p. 1764) returns true indicating that more input data is required.

Parameters

buffer	The Buffer to read in for compression.
offset	The position in the Buffer to start reading from.
length	The number of bytes to read from the input buffer.

Exceptions

IndexOutOfBoundsException	if the offset + length > size of the buffer.
IllegalStateException	if in the end state.

6.314.3.17 void decaf::util::zip::Deflater::setInput (const unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateException)

Sets input data for compression.

This should be called whenever **needsInput()** (p. 1764) returns true indicating that more input data is required.

Parameters

buffer	The Buffer to read in for compression.
size	The size in bytes of the buffer passed.
offset	The position in the Buffer to start reading from.
length	The number of bytes to read from the input buffer.

Exceptions

NullPointerException	if buffer is NULL.
IndexOutOfBoundsException	if the offset + length > size of the buffer.
IllegalStateException	if in the end state.

6.314.3.18 void decaf::util::zip::Deflater::setLevel (int *level*) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Sets the compression level to the specified value.

Parameters

level	The new Compression level to use.

Exceptions

IllegalArgumentException	if the level value is invalid.
IllegalStateException	if in the end state.

6.314.3.19 void decaf::util::zip::Deflater::setStrategy (int *strategy*) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Sets the compression strategy to the specified value.

Parameters

strategy	The new Compression strategy to use.

Exceptions

IllegalArgumentException	if the strategy value is invalid.
IllegalStateException	if in the end state.

6.314.4 Field Documentation

6.314.4.1 const int decaf::util::zip::Deflater::BEST_COMPRESSION [static]

Compression level for best compression.

6.314.4.2 const int decaf::util::zip::Deflater::BEST_SPEED [static]

Compression level for fastest compression.

6.314.4.3 const int decaf::util::zip::Deflater::DEFAULT_COMPRESSION [static]

Default compression level.

6.314.4.4 const int decaf::util::zip::Deflater::DEFAULT_STRATEGY [static]

Default compression strategy.

6.314.4.5 const int decaf::util::zip::Deflater::DEFLATED [static]

Compression method for the deflate algorithm (the only one currently supported).

6.314.4.6 const int decaf::util::zip::Deflater::FILTERED [static]

Compression strategy best used for data consisting mostly of small values with a somewhat random distribution.

Forces more Huffman coding and less string matching.

6.314.4.7 const int decaf::util::zip::Deflater::HUFFMAN_ONLY [static]

Compression strategy for Huffman coding only.

6.314.4.8 const int decaf::util::zip::Deflater::NO_COMPRESSION [static]

Compression level for no compression.

The documentation for this class was generated from the following file:

- src/main/decaf/util/zip/**Deflater.h**

6.315 decaf::util::zip::DeflaterOutputStream Class Reference

Provides a FilterOutputStream instance that compresses the data before writing it to the wrapped OutputStream.

`#include <src/main/decaf/util/zip/DeflaterOutputStream.h>`

Inheritance diagram for decaf::util::zip::DeflaterOutputStream:

Public Member Functions

- **DeflaterOutputStream** (**decaf::io::OutputStream** ∗**outputStream**, bool **own**=false)

  *Creates a new DeflateOutputStream with a Default **Deflater** (p. 1759) and buffer size.*

- **DeflaterOutputStream** (**decaf::io::OutputStream** ∗**outputStream**, **Deflater** ∗**deflater**, bool **own**=false)

*Creates a new DeflateOutputStream with a user supplied **Deflater** (p. 1759) and a default buffer size.*

- **DeflaterOutputStream** (**decaf::io::OutputStream** ∗**outputStream**, **Deflater** ∗**deflater**, int bufferSize, bool **own**=false)

  *Creates a new DeflateOutputStream with a user supplied **Deflater** (p. 1759) and specified buffer size.*

- virtual ∼**DeflaterOutputStream** ()
- virtual void **finish** () throw (decaf::io::IOException)

  Finishes writing any remaining data to the wrapped OutputStream but does not close it upon completion.

- virtual void **close** () throw (decaf::io::IOException)

  Closes this object and deallocates the appropriate resources.
  The object is generally no longer usable after calling close.
  Exceptions

IOException (p. 2210)	*if an error occurs while closing.*

The default implementation of this method does nothing.
*The close method of **FilterOutputStream** (p. 1957) calls its flush method, and then calls the close method of its underlying output stream.*

Protected Member Functions

- virtual void **doWriteByte** (unsigned char value) throw (decaf::io::IOException)
- virtual void **doWriteArrayBounded** (const unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)
- virtual void **deflate** () throw (decaf::io::IOException)

  Writes a buffers worth of compressed data to the wrapped OutputStream.

Protected Attributes

- **Deflater** ∗ **deflater**

  *The **Deflater** (p. 1759) for this stream.*

- std::vector< unsigned char > **buf**

  The Buffer to use for.

- bool **ownDeflater**
- bool **isDone**

Static Protected Attributes

- static const std::size_t **DEFAULT_BUFFER_SIZE**

6.315.1 Detailed Description

Provides a FilterOutputStream instance that compresses the data before writing it to the wrapped OutputStream.

Since

1.0

6.315.2 Constructor & Destructor Documentation

6.315.2.1 decaf::util::zip::DeflaterOutputStream::DeflaterOutputStream (decaf::io::OutputStream * *outputStream,* bool *own =* `false`)

Creates a new DeflateOutputStream with a Default **Deflater** (p. 1759) and buffer size.

Parameters

output-Stream	The OutputStream instance to wrap.
own	Should this filter take ownership of the OutputStream pointer (default is false).

6.315.2.2 decaf::util::zip::DeflaterOutputStream::DeflaterOutputStream (decaf::io::OutputStream * *outputStream,* Deflater * *deflater,* bool *own =* `false`)

Creates a new DeflateOutputStream with a user supplied **Deflater** (p. 1759) and a default buffer size.

When the user supplied a **Deflater** (p. 1759) instance the DeflaterOutpotStream does not take ownership of the **Deflater** (p. 1759) pointer, the caller is still responsible for deleting the **Deflater** (p. 1759).

Parameters

output-Stream	The OutputStream instance to wrap.
deflater	The user supplied **Deflater** (p. 1759) to use for compression. (
own	Should this filter take ownership of the OutputStream pointer (default is false).

Exceptions

NullPointerException	if the **Deflater** (p. 1759) given is NULL.

6.315.2.3 decaf::util::zip::DeflaterOutputStream::DeflaterOutputStream (decaf::io::OutputStream * *outputStream,* Deflater * *deflater,* int *bufferSize,* bool *own* = `false`)

Creates a new DeflateOutputStream with a user supplied **Deflater** (p. 1759) and specified buffer size.

When the user supplied a **Deflater** (p. 1759) instance the DeflaterOutpotStream does not take ownership of the **Deflater** (p. 1759) pointer, the caller is still responsible for deleting the **Deflater** (p. 1759).

Parameters

outputStream	The OutputStream instance to wrap.
deflater	The user supplied **Deflater** (p. 1759) to use for compression.
bufferSize	The size of the input buffer.
own	Should this filter take ownership of the OutputStream pointer (default is false).

Exceptions

NullPointerException	if the **Deflater** (p. 1759) given is NULL.
IllegalArgumentException	if bufferSize is 0.

6.315.2.4 virtual decaf::util::zip::DeflaterOutputStream::~DeflaterOutputStream ( ) `[virtual]`

6.315.3 Member Function Documentation

6.315.3.1 virtual void decaf::util::zip::DeflaterOutputStream::close ( ) throw (decaf::io::IOException) `[virtual]`

Closes this object and deallocates the appropriate resources.

The object is generally no longer usable after calling close.

Exceptions

IOException *(p. 2210)*	if an error occurs while closing.

The default implementation of this method does nothing.

The close method of **FilterOutputStream** (p. 1957) calls its flush method, and then calls the close method of its underlying output stream.

Finishes writing any remaining data to the OutputStream then closes the stream.

Reimplemented from **decaf::io::FilterOutputStream** (p. 1959).

6.315.3.2 virtual void decaf::util::zip::DeflaterOutputStream::deflate ( ) throw (decaf::io::IOException) [protected, virtual]

Writes a buffers worth of compressed data to the wrapped OutputStream.

6.315.3.3 virtual void decaf::util::zip::DeflaterOutputStream::doWriteArrayBounded (const unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [protected, virtual]

Reimplemented from **decaf::io::FilterOutputStream** (p. 1960).

6.315.3.4 virtual void decaf::util::zip::DeflaterOutputStream::doWriteByte (unsigned char *value*) throw (decaf::io::IOException) [protected, virtual]

Reimplemented from **decaf::io::FilterOutputStream** (p. 1960).

6.315.3.5 virtual void decaf::util::zip::DeflaterOutputStream::finish ( ) throw (decaf::io::IOException) [virtual]

Finishes writing any remaining data to the wrapped OutputStream but does not close it upon completion.

Exceptions

IOException	if an I/O error occurs.

6.315.4 Field Documentation

6.315.4.1 std::vector<unsigned char> decaf::util::zip::DeflaterOutputStream::buf [protected]

The Buffer to use for.

6.315.4.2 const std::size_t decaf::util::zip::DeflaterOutputStream::DEFAULT_-BUFFER_SIZE [static, protected]

6.315.4.3 Deflater* decaf::util::zip::DeflaterOutputStream::deflater [protected]

The **Deflater** (p. 1759) for this stream.

6.315.4.4 bool decaf::util::zip::DeflaterOutputStream::isDone [protected]

6.315.4.5 bool decaf::util::zip::DeflaterOutputStream::ownDeflater [protected]

The documentation for this class was generated from the following file:

- src/main/decaf/util/zip/**DeflaterOutputStream.h**

6.316 decaf::util::concurrent::Delayed Class Reference

A mix-in style interface for marking objects that should be acted upon after a given delay.

`#include <src/main/decaf/util/concurrent/Delayed.h>`

Inheritance diagram for decaf::util::concurrent::Delayed:

Public Member Functions

- virtual ~**Delayed** ()
- virtual long long **getDelay** (const **TimeUnit** &unit)=0

  Returns the remaining delay associated with this object, in the given time unit.

6.316.1 Detailed Description

A mix-in style interface for marking objects that should be acted upon after a given delay. An implementation of this interface must define a Comparable methods that provides an ordering consistent with its getDelay method.

6.316.2 Constructor & Destructor Documentation

6.316.2.1 virtual decaf::util::concurrent::Delayed::~Delayed ( ) [inline, virtual]

6.316.3 Member Function Documentation

6.316.3.1 virtual long long decaf::util::concurrent::Delayed::getDelay (const TimeUnit & *unit*) [pure virtual]

Returns the remaining delay associated with this object, in the given time unit.

Parameters

unit	The time unit

Returns

the remaining delay; zero or negative values indicate that the delay has already elapsed

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**Delayed.h**

6.317 cms::DeliveryMode Class Reference

This is an Abstract class whose purpose is to provide a container for the delivery mode enumeration for CMS messages.

`#include <src/main/cms/DeliveryMode.h>`

Public Types

- enum **DELIVERY_MODE** { **PERSISTENT** = 0, **NON_PERSISTENT** = 1 }

  *Enumeration values for **Message** (p. 2614) Delivery Mode.*

Public Member Functions

- virtual ~**DeliveryMode** ()

6.317.1 Detailed Description

This is an Abstract class whose purpose is to provide a container for the delivery mode enumeration for CMS messages. When a client sends a **cms::Message** (p. 2614)

it can mark the **Message** (p. 2614) as either Persistent or Non-Persistent. If the client feels that the **Message** (p. 2614) cannot be lost in transit it should mark it as Persistent, otherwise if it is allowable for a **Message** (p. 2614) to occasionally be lost it can mark it as Non-Persistent. This allows the Provider to balance make tradeoffs between balance and **Message** (p. 2614) throughput.

The **DeliveryMode** (p. 1775) covers only the transport of the **Message** (p. 2614) for sending client to its destination and doesn't apply to the receiving **Message** (p. 2614) consumer. The receiving Consumer can drop Message's based on configuration such as memory limits or **Message** (p. 2614) filtering.

A message is guaranteed to be delivered once and only once by a CMS provider if the delivery mode of the message is PERSISTENT and the configuration of the **Message** (p. 2614) consumer allows for it.

Since

1.0

6.317.2 Member Enumeration Documentation

6.317.2.1 enum cms::DeliveryMode::DELIVERY_MODE

Enumeration values for **Message** (p. 2614) Delivery Mode.

Enumerator:

PERSISTENT

NON_PERSISTENT

6.317.3 Constructor & Destructor Documentation

6.317.3.1 virtual cms::DeliveryMode::~DeliveryMode ( ) [inline, virtual]

The documentation for this class was generated from the following file:

- src/main/cms/**DeliveryMode.h**

6.318 cms::Destination Class Reference

A **Destination** (p. 1776) object encapsulates a provider-specific address.

```
#include <src/main/cms/Destination.h>
```

Inheritance diagram for cms::Destination:

Public Types

- enum **DestinationType** { **TOPIC**, **QUEUE**, **TEMPORARY_TOPIC**, **TEMPORARY_-QUEUE** }

Public Member Functions

- virtual ∼**Destination** ()
- virtual **DestinationType getDestinationType** () const =0

  *Retrieve the **Destination** (p. 1776) Type for this **Destination** (p. 1776).*

- virtual **cms::Destination** ∗ **clone** () const =0

  Creates a new instance of this destination type that is a copy of this one, and returns it.

- virtual void **copy** (const **cms::Destination** &source)=0

  *Copies the contents of the given **Destination** (p. 1776) object to this one.*

- virtual const **CMSProperties** & **getCMSProperties** () const =0

  Retrieve any properties that might be part of the destination that was specified.

6.318.1 Detailed Description

A **Destination** (p. 1776) object encapsulates a provider-specific address. There is no standard definition of a **Destination** (p. 1776) address, each provider can provide its own definition and there can be configuration data attached to the **Destination** (p. 1776) address.

All CMS **Destination** (p. 1776) objects support concurrent use.

Since

1.0

6.318.2 Member Enumeration Documentation

6.318.2.1 enum cms::Destination::DestinationType

Enumerator:

TOPIC

QUEUE

TEMPORARY_TOPIC

TEMPORARY_QUEUE

6.318.3 Constructor & Destructor Documentation

6.318.3.1 virtual cms::Destination::~Destination ( ) [inline, virtual]

6.318.4 Member Function Documentation

6.318.4.1 virtual cms::Destination* cms::Destination::clone ( ) const [pure virtual]

Creates a new instance of this destination type that is a copy of this one, and returns it.

Returns

cloned copy of this object

Implemented in **activemq::commands::ActiveMQQueue** (p. 480), **activemq::commands::ActiveMQTempQ** (p. 608), **activemq::commands::ActiveMQTempTopic** (p. 638), and **activemq::commands::ActiveMQTopic** (p. 698).

6.318.4.2 virtual void cms::Destination::copy (const cms::Destination & *source*) [pure virtual]

Copies the contents of the given **Destination** (p. 1776) object to this one.

Parameters

source	The source **Destination** (p. 1776) object.

Implemented in **activemq::commands::ActiveMQQueue** (p. 481), **activemq::commands::ActiveMQTempQ** (p. 608), **activemq::commands::ActiveMQTempTopic** (p. 638), and **activemq::commands::ActiveMQTopic** (p. 699).

6.318.4.3 virtual const CMSProperties& cms::Destination::getCMSProperties ( ) const [pure virtual]

Retrieve any properties that might be part of the destination that was specified.

This is a deviation from the JMS spec but necessary due to C++ restrictions.

Returns

A {const} reference to a **CMSProperties** (p. 1195) object.

Implemented in **activemq::commands::ActiveMQQueue** (p. 482), **activemq::commands::ActiveMQTempQ** (p. 610), **activemq::commands::ActiveMQTempTopic** (p. 640), and **activemq::commands::ActiveMQTopic** (p. 700).

6.318.4.4 virtual DestinationType cms::Destination::getDestinationType ( ) const [pure virtual]

Retrieve the **Destination** (p. 1776) Type for this **Destination** (p. 1776).

Returns

The **Destination** (p. 1776) Type

Implemented in **activemq::commands::ActiveMQQueue** (p. 482), **activemq::commands::ActiveMQTempQueue** (p. 610), **activemq::commands::ActiveMQTempTopic** (p. 640), and **activemq::commands::ActiveMQTopic** (p. 700).

The documentation for this class was generated from the following file:

- src/main/cms/**Destination.h**

6.319 activemq::commands::ActiveMQDestination::DestinationFilter Struct Reference

```
#include <src/main/activemq/commands/ActiveMQDestination.h>
```

Static Public Attributes

- static const std::string **ANY_CHILD**
- static const std::string **ANY_DESCENDENT**

6.319.1 Field Documentation

6.319.1.1 const std::string activemq::commands::ActiveMQDestination::DestinationFilter::ANY_CHILD [static]

6.319.1.2 const std::string activemq::commands::ActiveMQDestination::DestinationFilter::ANY_DESCENDENT [static]

The documentation for this struct was generated from the following file:

- src/main/activemq/commands/**ActiveMQDestination.h**

6.320 activemq::commands::DestinationInfo Class Reference

```
#include <src/main/activemq/commands/DestinationInfo.h>
```

Inheritance diagram for activemq::commands::DestinationInfo:

Public Member Functions

- **DestinationInfo** ()
- virtual ~**DestinationInfo** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **DestinationInfo** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **ConnectionId** > & **getConnectionId** () const
- virtual **Pointer**< **ConnectionId** > & **getConnectionId** ()
- virtual void **setConnectionId** (const **Pointer**< **ConnectionId** > &**connectionId**)
- virtual const **Pointer**< **ActiveMQDestination** > & **getDestination** () const
- virtual **Pointer**< **ActiveMQDestination** > & **getDestination** ()
- virtual void **setDestination** (const **Pointer**< **ActiveMQDestination** > &**destination**)
- virtual unsigned char **getOperationType** () const
- virtual void **setOperationType** (unsigned char **operationType**)
- virtual long long **getTimeout** () const
- virtual void **setTimeout** (long long **timeout**)
- virtual const std::vector< **decaf::lang::Pointer**< **BrokerId** > > & **getBrokerPath** () const
- virtual std::vector< **decaf::lang::Pointer**< **BrokerId** > > & **getBrokerPath** ()
- virtual void **setBrokerPath** (const std::vector< **decaf::lang::Pointer**< **BrokerId** > > &**brokerPath**)
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_DESTINATIONINFO** = 8

Protected Attributes

- **Pointer< ConnectionId > connectionId**
- **Pointer< ActiveMQDestination > destination**
- unsigned char **operationType**
- long long **timeout**
- std::vector< **decaf::lang::Pointer< BrokerId > > brokerPath**

6.320.1 Constructor & Destructor Documentation

6.320.1.1 activemq::commands::DestinationInfo::DestinationInfo ( )

6.320.1.2 virtual activemq::commands::DestinationInfo::~DestinationInfo ( ) [virtual]

6.320.2 Member Function Documentation

6.320.2.1 virtual DestinationInfo* activemq::commands::DestinationInfo::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.320.2.2 virtual void activemq::commands::DestinationInfo::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.320.2.3 virtual bool activemq::commands::DestinationInfo::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.320.2.4 virtual const std::vector< decaf::lang::Pointer<BrokerId> >& activemq::commands::DestinationInfo::getBrokerPath ( ) const [virtual]

6.320.2.5 virtual std::vector< decaf::lang::Pointer<BrokerId> >& activemq::commands::DestinationInfo::getBrokerPath ( ) [virtual]

6.320.2.6 virtual const Pointer<ConnectionId>& activemq::commands::DestinationInfo::getConnectionId ( ) const [virtual]

6.320.2.7 virtual Pointer<ConnectionId>& activemq::commands::DestinationInfo::getConnectionId ( ) [virtual]

6.320.2.8 virtual unsigned char activemq::commands::DestinationInfo::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.320.2.9 virtual const Pointer<ActiveMQDestination>& activemq::commands::DestinationInfo::getDestination ( ) const [virtual]

6.320.2.10 virtual Pointer<ActiveMQDestination>& activemq::commands::DestinationInfo::getDestination ( ) [virtual]

6.320.2.11 virtual unsigned char activemq::commands::DestinationInfo::getOperationType ( ) const [virtual]

6.320.2.12 virtual long long activemq::commands::DestinationInfo::getTimeout ( ) const [virtual]

6.320.2.13 virtual void activemq::commands::DestinationInfo::setBrokerPath (const std::vector< decaf::lang::Pointer< BrokerId > > & *brokerPath*) [virtual]

6.320.2.14 virtual void activemq::commands::DestinationInfo::setConnectionId (const Pointer< ConnectionId > & *connectionId*) [virtual]

6.320.2.15 virtual void activemq::commands::DestinationInfo::setDestination (const Pointer< ActiveMQDestination > & *destination*) [virtual]

6.320.2.16 virtual void activemq::commands::DestinationInfo::setOperationType (unsigned char *operationType*) [virtual]

6.320.2.17 virtual void activemq::commands::DestinationInfo::setTimeout (long long *timeout*) [virtual]

6.320.2.18 virtual std::string activemq::commands::DestinationInfo::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.320.2.19 virtual Pointer<Command> activemq::commands::DestinationInfo::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.320.3 Field Documentation

6.320.3.1 std::vector< decaf::lang::Pointer<BrokerId> > activemq::commands::DestinationInfo::brokerPath [protected]

6.320.3.2 Pointer<ConnectionId> activemq::commands::DestinationInfo::connectionId [protected]

6.320.3.3 Pointer<ActiveMQDestination> activemq::commands::DestinationInfo::destination [protected]

6.320.3.4 const unsigned char activemq::commands::DestinationInfo::ID_DESTINATIONINFO = 8 [static]

6.320.3.5 unsigned char activemq::commands::DestinationInfo::operationType [protected]

6.320.3.6 long long activemq::commands::DestinationInfo::timeout [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**DestinationInfo.h**

6.321 activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1784).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/DestinationInfo`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller:

Public Member Functions

- **DestinationInfoMarshaller** ()
- virtual ~**DestinationInfoMarshaller** ()

- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.321.1 Detailed Description

Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1784). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.321.2 Constructor & Destructor Documentation

6.321.2.1 activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller::DestinationInfoMarshaller ( ) [inline]

6.321.2.2 virtual activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller::~DestinationInfoMarshaller ( ) [inline, virtual]

6.321.3 Member Function Documentation

6.321.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.321.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.321.3.3 virtual void activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.321.3.4 virtual void activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.321.3.5 virtual int activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.321.3.6 virtual void activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.321.3.7 virtual void activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**DestinationInfoMarshaller.h**

6.322 activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1789).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/DestinationInfoMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller:

Public Member Functions

- **DestinationInfoMarshaller** ()
- virtual ∼**DestinationInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.322.1 Detailed Description

Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1789). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.322.2 Constructor & Destructor Documentation

6.322.2.1 activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller::DestinationInfoMarshaller ( ) [inline]

6.322.2.2 virtual activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller::~DestinationInfoMarshaller ( ) [inline, virtual]

6.322.3 Member Function Documentation

6.322.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.322.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.322.3.3 virtual void activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.322.3.4 virtual void activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.322.3.5 virtual int activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.322.3.6 virtual void activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.322.3.7 virtual void activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**DestinationInfoMarshaller.h**

6.323 activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1793).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/DestinationInfoMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller:

Public Member Functions

- **DestinationInfoMarshaller** ()
- virtual ~**DestinationInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.323.1 Detailed Description

Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1793).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.323.2 Constructor & Destructor Documentation

6.323.2.1 activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller::DestinationInfoMarshaller ( ) [inline]

6.323.2.2 virtual activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller::∼DestinationInfoMarshaller ( ) [inline, virtual]

6.323.3 Member Function Documentation

6.323.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.323.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.323.3.3 virtual void activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.323.3.4 virtual void activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.323.3.5 virtual int activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.323.3.6 virtual void activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.323.3.7 virtual void activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**DestinationInfoMarshaller.h**

6.324 activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1797).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/DestinationInfoMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller:

Public Member Functions

- **DestinationInfoMarshaller** ()
- virtual ~**DestinationInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.324.1 Detailed Description

Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1797). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.324.2 Constructor & Destructor Documentation

6.324.2.1 activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller::DestinationInfoMarshaller ( ) [inline]

6.324.2.2 virtual activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller::∼DestinationInfoMarshaller ( ) [inline, virtual]

6.324.3 Member Function Documentation

6.324.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.324.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.324.3.3 virtual void activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.324.3.4 virtual void activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.324.3.5 virtual int activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.324.3.6 virtual void activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.324.3.7 virtual void activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**DestinationInfoMarshaller.h**

6.325 activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1801).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/DestinationInfoMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller:

Public Member Functions

- **DestinationInfoMarshaller** ()
- virtual ~**DestinationInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.325.1 Detailed Description

Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1801). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.325.2 Constructor & Destructor Documentation

6.325.2.1 activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller::DestinationInfoMarshaller ( ) [inline]

6.325.2.2 virtual activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller::~DestinationInfoMarshaller ( ) [inline, virtual]

6.325.3 Member Function Documentation

6.325.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.325.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.325.3.3 virtual void activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.325.3.4 virtual void activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.325.3.5 virtual int activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.325.3.6 virtual void activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.325.3.7 virtual void activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**DestinationInfoMarshaller.h**

6.326 activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1806).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/DestinationInfo`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller:

Public Member Functions

- **DestinationInfoMarshaller** ()
- virtual ∼**DestinationInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.326.1 Detailed Description

Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1806). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.326.2 Constructor & Destructor Documentation

6.326.2.1 activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller::DestinationInfoMarshaller ( ) [inline]

6.326.2.2 virtual activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller::~DestinationInfoMarshaller ( ) [inline, virtual]

6.326.3 Member Function Documentation

6.326.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.326.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.326.3.3 virtual void activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.326.3.4 virtual void activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.326.3.5 virtual int activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.326.3.6 virtual void activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.326.3.7 virtual void activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**DestinationInfoMarshaller.h**

6.327 activemq::cmsutil::DestinationResolver Class Reference

Resolves a CMS destination name to a `Destination`.

`#include <src/main/activemq/cmsutil/DestinationResolver.h>`

Inheritance diagram for activemq::cmsutil::DestinationResolver:

Public Member Functions

- virtual ~**DestinationResolver** ()
- virtual void **init** (**ResourceLifecycleManager** *mgr)=0

  Initializes this destination resolver for use.

- virtual void **destroy** ()=0

  Destroys any allocated resources.

- virtual **cms::Destination** * **resolveDestinationName** (**cms::Session** *session, const std::string &destName, bool pubSubDomain)=0 throw (cms::CMSException)

  Resolves the given name to a destination.

6.327.1 Detailed Description

Resolves a CMS destination name to a `Destination`.

6.327.2 Constructor & Destructor Documentation

6.327.2.1 virtual activemq::cmsutil::DestinationResolver::~DestinationResolver ( ) [inline, virtual]

6.327.3 Member Function Documentation

6.327.3.1 virtual void activemq::cmsutil::DestinationResolver::destroy ( ) [pure virtual]

Destroys any allocated resources.

Implemented in **activemq::cmsutil::DynamicDestinationResolver** (p. 1879).

6.327.3.2 virtual void activemq::cmsutil::DestinationResolver::init (**ResourceLifecycleManager** * *mgr*) [pure virtual]

Initializes this destination resolver for use.

Ensures that any previously allocated resources are first destroyed (e.g. calls **destroy()** (p. 1811)).

Parameters

mgr	the resource lifecycle manager.

Implemented in **activemq::cmsutil::DynamicDestinationResolver** (p. 1879).

6.327.3.3 virtual cms::Destination* activemq::cmsutil::DestinationResolver::resolveDestinationName (cms::Session * *session*, const std::string & *destName*, bool *pubSubDomain*) throw (cms::CMSException) [pure virtual]

Resolves the given name to a destination.

If `pubSubDomain` is true, a topic will be returned, otherwise a queue will be returned.

Parameters

session	the session for which to retrieve resolve the destination.
destName	the name to be resolved.
pubSubDomain	If true, the name will be resolved to a Topic, otherwise a Queue.

Returns

the resolved destination

Exceptions

cms::CMSException *(p. 1190)*	if resolution failed.

Implemented in **activemq::cmsutil::DynamicDestinationResolver** (p. 1880).

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**DestinationResolver.h**

6.328 activemq::commands::DiscoveryEvent Class Reference

`#include <src/main/activemq/commands/DiscoveryEvent.h>`

Inheritance diagram for activemq::commands::DiscoveryEvent:

Public Member Functions

- **DiscoveryEvent** ()
- virtual ∼**DiscoveryEvent** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **DiscoveryEvent** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const std::string & **getServiceName** () const
- virtual std::string & **getServiceName** ()
- virtual void **setServiceName** (const std::string &**serviceName**)
- virtual const std::string & **getBrokerName** () const
- virtual std::string & **getBrokerName** ()
- virtual void **setBrokerName** (const std::string &**brokerName**)

Static Public Attributes

- static const unsigned char **ID_DISCOVERYEVENT** = 40

Protected Attributes

- std::string **serviceName**
- std::string **brokerName**

6.328.1 Constructor & Destructor Documentation

6.328.1.1 activemq::commands::DiscoveryEvent::DiscoveryEvent ( )

6.328.1.2 virtual activemq::commands::DiscoveryEvent::~DiscoveryEvent ( ) [virtual]

6.328.2 Member Function Documentation

6.328.2.1 virtual DiscoveryEvent* activemq::commands::DiscoveryEvent::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.328.2.2 virtual void activemq::commands::DiscoveryEvent::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

6.328.2.3 virtual bool activemq::commands::DiscoveryEvent::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

6.328.2.4 virtual const std::string& activemq::commands::DiscoveryEvent::getBrokerName ( ) const [virtual]

6.328.2.5 virtual std::string& activemq::commands::DiscoveryEvent::getBrokerName ( ) [virtual]

6.328.2.6 virtual unsigned char activemq::commands::DiscoveryEvent::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.328.2.7 virtual std::string& activemq::commands::DiscoveryEvent::getServiceName ( ) [virtual]

6.328.2.8 virtual const std::string& activemq::commands::DiscoveryEvent::getServiceName ( ) const [virtual]

6.328.2.9 virtual void activemq::commands::DiscoveryEvent::setBrokerName (const std::string & *brokerName*) [virtual]

6.328.2.10 virtual void activemq::commands::DiscoveryEvent::setServiceName (const std::string & *serviceName*) [virtual]

6.328.2.11 virtual std::string activemq::commands::DiscoveryEvent::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

6.328.3 Field Documentation

6.328.3.1 std::string activemq::commands::DiscoveryEvent::brokerName [protected]

6.328.3.2 const unsigned char activemq::commands::DiscoveryEvent::ID_-DISCOVERYEVENT = 40 [static]

6.328.3.3 std::string activemq::commands::DiscoveryEvent::serviceName [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**DiscoveryEvent.h**

6.329 activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller Class Reference

Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1815).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/DiscoveryEventMarshaller
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller:

Public Member Functions

- **DiscoveryEventMarshaller** ()
- virtual ∼**DiscoveryEventMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.329.1 Detailed Description

Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1815). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.329.2 Constructor & Destructor Documentation

6.329.2.1 activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller::DiscoveryEventMarshaller ( ) [inline]

6.329.2.2 virtual activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller::∼DiscoveryEventMarshaller ( ) [inline, virtual]

6.329.3 Member Function Documentation

6.329.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.329.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.329.3.3 virtual void activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.329.3.4 virtual void activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.329.3.5 virtual int activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.329.3.6 virtual void activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.329.3.7 virtual void activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**DiscoveryEventMarshaller.h**

6.330 activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller Class Reference

Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1819).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/DiscoveryEventMarshaller`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller:

Public Member Functions

- **DiscoveryEventMarshaller** ()
- virtual ~**DiscoveryEventMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.330.1 Detailed Description

Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1819). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.330.2 Constructor & Destructor Documentation

6.330.2.1 activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller::DiscoveryEventMarshaller ( ) [inline]

6.330.2.2 virtual activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller::∼DiscoveryEventMarshaller ( ) [inline, virtual]

6.330.3 Member Function Documentation

6.330.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.330.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.330.3.3 virtual void activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.330.3.4 virtual void activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.330.3.5 virtual int activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.330.3.6 virtual void activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.330.3.7 virtual void activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**DiscoveryEventMarshaller.h**

6.331 activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller Class Reference

Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1823).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/DiscoveryEventMarshaller
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller:

Public Member Functions

- **DiscoveryEventMarshaller** ()
- virtual ~**DiscoveryEventMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.331.1 Detailed Description

Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1823).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.331.2 Constructor & Destructor Documentation

6.331.2.1 activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller::DiscoveryEventMarshaller ( ) [inline]

6.331.2.2 virtual activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller::∼DiscoveryEventMarshaller ( ) [inline, virtual]

6.331.3 Member Function Documentation

6.331.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.331.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.331.3.3 virtual void activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.331.3.4 virtual void activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.331.3.5 virtual int activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.331.3.6 virtual void activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.331.3.7 virtual void activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**DiscoveryEventMarshaller.h**

6.332 activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller Class Reference

Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1827).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/DiscoveryEventMarshaller
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller:

Public Member Functions

- **DiscoveryEventMarshaller** ()
- virtual ~**DiscoveryEventMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.332.1 Detailed Description

Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1827). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.332.2 Constructor & Destructor Documentation

6.332.2.1 activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller::DiscoveryEventMarshaller ( ) [inline]

6.332.2.2 virtual activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller::∼DiscoveryEventMarshaller ( ) [inline, virtual]

6.332.3 Member Function Documentation

6.332.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.332.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.332.3.3 virtual void activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.332.3.4 virtual void activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.332.3.5 virtual int activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.332.3.6 virtual void activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.332.3.7 virtual void activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**DiscoveryEventMarshaller.h**

6.333 activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller Class Reference

Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1831).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/DiscoveryEventMarshaller
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller:

Public Member Functions

- **DiscoveryEventMarshaller** ()
- virtual ~**DiscoveryEventMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.333.1 Detailed Description

Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1831). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.333.2 Constructor & Destructor Documentation

6.333.2.1 activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller::DiscoveryEventMarshaller ( ) [inline]

6.333.2.2 virtual activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller::∼DiscoveryEventMarshaller ( ) [inline, virtual]

6.333.3 Member Function Documentation

6.333.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.333.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.333.3.3 virtual void activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.333.3.4 virtual void activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.333.3.5 virtual int activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.333.3.6 virtual void activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.333.3.7 virtual void activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**DiscoveryEventMarshaller.h**

6.334 activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller Class Reference

Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1835).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/DiscoveryEventMarshaller
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller:

Public Member Functions

- **DiscoveryEventMarshaller** ()
- virtual ~**DiscoveryEventMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.334.1 Detailed Description

Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1835).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.334.2 Constructor & Destructor Documentation

6.334.2.1 activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller::DiscoveryEventMarshaller ( ) [inline]

6.334.2.2 virtual activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller::∼DiscoveryEventMarshaller ( ) [inline, virtual]

6.334.3 Member Function Documentation

6.334.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.334.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.334.3.3 virtual void activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.334.3.4 virtual void activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.334.3.5 virtual int activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.334.3.6 virtual void activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.334.3.7 virtual void activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**DiscoveryEventMarshaller.h**

6.335 activemq::core::DispatchData Class Reference

Simple POCO that contains the information necessary to route a message to a specified consumer.

```
#include <src/main/activemq/core/DispatchData.h>
```

Public Member Functions

- **DispatchData** ()
- **DispatchData** (const **decaf::lang::Pointer**< **commands::ConsumerId** > &consumer, const **decaf::lang::Pointer**< **commands::Message** > &message)
- const **decaf::lang::Pointer**< **commands::ConsumerId** > & **getConsumerId** ()
- const **decaf::lang::Pointer**< **commands::Message** > & **getMessage** ()

6.335.1 Detailed Description

Simple POCO that contains the information necessary to route a message to a specified consumer.

6.335.2 Constructor & Destructor Documentation

6.335.2.1 activemq::core::DispatchData::DispatchData ( ) [inline]

6.335.2.2 activemq::core::DispatchData::DispatchData (const decaf::lang::Pointer< commands::ConsumerId > & *consumer*, const decaf::lang::Pointer< commands::Message > & *message*) [inline]

6.335.3 Member Function Documentation

6.335.3.1 const decaf::lang::Pointer<commands::ConsumerId>& activemq::core::DispatchData::getConsumerId ( ) [inline]

6.335.3.2 const decaf::lang::Pointer<commands::Message>& activemq::core::DispatchData::getMessage ( ) [inline]

The documentation for this class was generated from the following file:

- src/main/activemq/core/**DispatchData.h**

6.336 activemq::core::Dispatcher Class Reference

Interface for an object responsible for dispatching messages to consumers.

`#include <src/main/activemq/core/Dispatcher.h>`

Inheritance diagram for activemq::core::Dispatcher:

Public Member Functions

- virtual ~**Dispatcher** ()
- virtual void **dispatch** (const **Pointer**< **MessageDispatch** > &message)=0

  Dispatches a message to a particular consumer.

6.336.1 Detailed Description

Interface for an object responsible for dispatching messages to consumers.

6.336.2 Constructor & Destructor Documentation

6.336.2.1 virtual activemq::core::Dispatcher::~Dispatcher ( ) [inline, virtual]

6.336.3 Member Function Documentation

6.336.3.1 virtual void activemq::core::Dispatcher::dispatch (const Pointer< MessageDispatch > & *message*) [pure virtual]

Dispatches a message to a particular consumer.

Parameters

message	- the message to be dispatched.

Implemented in **activemq::core::ActiveMQConsumer** (p. 305), and **activemq::core::ActiveMQSession** (p. 525).

The documentation for this class was generated from the following file:

- src/main/activemq/core/**Dispatcher.h**

6.337 decaf::lang::Double Class Reference

`#include <src/main/decaf/lang/Double.h>`

Inheritance diagram for decaf::lang::Double:

Public Member Functions

- **Double** (double value)
- **Double** (const std::string &value) throw (exceptions::NumberFormatException)
- virtual ~**Double** ()
- virtual int **compareTo** (const **Double** &d) const

  *Compares this **Double** (p. 1841) instance with another.*

- bool **equals** (const **Double** &d) const
- virtual bool **operator==** (const **Double** &d) const

  Compares equality between this object and the one passed.

- virtual bool **operator<** (const **Double** &d) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- virtual int **compareTo** (const double &d) const

  *Compares this **Double** (p. 1841) instance with another.*

- bool **equals** (const double &d) const
- virtual bool **operator==** (const double &d) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const double &d) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- std::string **toString** () const
- virtual double **doubleValue** () const

  Answers the double value which the receiver represents.

- virtual float **floatValue** () const

  Answers the float value which the receiver represents.

- virtual unsigned char **byteValue** () const

  Answers the byte value which the receiver represents.

- virtual short **shortValue** () const

  Answers the short value which the receiver represents.

- virtual int **intValue** () const

  Answers the int value which the receiver represents.

- virtual long long **longValue** () const

  Answers the long value which the receiver represents.

- bool **isInfinite** () const
- bool **isNaN** () const

Static Public Member Functions

- static int **compare** (double d1, double d2)

  Compares the two specified double values.

- static long long **doubleToLongBits** (double value)

  Returns a representation of the specified floating-point value according to the IEEE 754 floating-point "double format" bit layout.

- static long long **doubleToRawLongBits** (double value)

  Returns a representation of the specified floating-point value according to the IEEE 754 floating-point "double format" bit layout, preserving Not-a-Number (NaN) values.

- static bool **isInfinite** (double value)
- static bool **isNaN** (double value)
- static double **longBitsToDouble** (long long bits)

  Returns the double value corresponding to a given bit representation.

- static double **parseDouble** (const std::string value) throw (exceptions::NumberFormatException)

  Returns a new double initialized to the value represented by the specified string, as performed by the valueOf method of class ***Double*** *(p. 1841).*

- static std::string **toHexString** (double value)

  Returns a hexadecimal string representation of the double argument.

- static std::string **toString** (double value)

  Returns a string representation of the double argument.

- static **Double valueOf** (double value)

  Returns a ***Double*** *(p. 1841) instance representing the specified double value.*

- static **Double valueOf** (const std::string &value) throw (exceptions::NumberFormatException)

  Returns a ***Double*** *(p. 1841) instance that wraps a primtive double which is parsed from the string value passed.*

Static Public Attributes

- static const int **SIZE** = 64

  The size in bits of the primitive int type.

- static const double **MAX_VALUE**

  The maximum value that the primitive type can hold.

- static const double **MIN_VALUE**

  The minimum value that the primitive type can hold.

- static const double **NaN**

  Constant for the Not a ***Number*** *(p. 2918) Value.*

- static const double **POSITIVE_INFINITY**

  Constant for Positive Infinity.

- static const double **NEGATIVE_INFINITY**

  Constant for Negative Infinitiy.

6.337.1 Constructor & Destructor Documentation

6.337.1.1 decaf::lang::Double::Double (double *value*)

Parameters

value	- the primitve type to wrap

6.337.1.2 decaf::lang::Double::Double (const std::string & *value*) throw (exceptions::NumberFormatException)

Parameters

value	- the string to convert to a primitve type to wrap

6.337.1.3 virtual decaf::lang::Double::~Double ( ) [inline, virtual]

6.337.2 Member Function Documentation

6.337.2.1 virtual unsigned char decaf::lang::Double::byteValue ( ) const [inline, virtual]

Answers the byte value which the receiver represents.

Returns

byte the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2919).

6.337.2.2 static int decaf::lang::Double::compare (double *d1*, double *d2*) [static]

Compares the two specified double values.

The sign of the integer value returned is the same as that of the integer that would be returned by the call: new Double(d1).compareTo(new Double(d2))

Parameters

d1	- the first double to compare
d2	- the second double to compare

Returns

the value 0 if d1 is numerically equal to d2; a value less than 0 if d1 is numerically less than d2; and a value greater than 0 if d1 is numerically greater than d2.

6.337.2.3 virtual int decaf::lang::Double::compareTo (const double & *d*) const [virtual]

Compares this **Double** (p. 1841) instance with another.

Parameters

d	- the **Double** (p. 1841) instance to be compared

Returns

zero if this object represents the same integer value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object repesents a value less than the passed in value.

Implements **decaf::lang::Comparable**< **double** > (p. 1249).

6.337.2.4 virtual int decaf::lang::Double::compareTo (const Double & *d*) const [virtual]

Compares this **Double** (p. 1841) instance with another.

Parameters

d	- the **Double** (p. 1841) instance to be compared

Returns

zero if this object represents the same integer value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object repesents a value less than the passed in value.

Implements **decaf::lang::Comparable**< **Double** > (p. 1249).

6.337.2.5 static long long decaf::lang::Double::doubleToLongBits (double *value*) [static]

Returns a representation of the specified floating-point value according to the IEEE 754 floating-point "double format" bit layout.

Bit 63 (the bit that is selected by the mask 0x8000000000000000L) represents the sign of the floating-point number. Bits 62-52 (the bits that are selected by the mask 0x7ff0000000000000L) represent the exponent. Bits 51-0 (the bits that are selected by the mask 0x000fffffffffffffL) represent the significand (sometimes called the mantissa) of the floating-point number.

If the argument is positive infinity, the result is 0x7ff0000000000000L. If the argument is negative infinity, the result is 0xfff0000000000000L. If the argument is NaN, the result is 0x7ff8000000000000L.

In all cases, the result is a long integer that, when given to the longBitsToDouble(long)

method, will produce a floating-point value the same as the argument to doubleToLongBits (except all NaN values are collapsed to a single "canonical" NaN value).

Parameters

value	- double to be converted

Returns

the long long bits that make up the double

6.337.2.6 static long long decaf::lang::Double::doubleToRawLongBits (double *value*) [static]

Returns a representation of the specified floating-point value according to the IEEE 754 floating-point "double format" bit layout, preserving Not-a-Number (NaN) values.

Bit 63 (the bit that is selected by the mask 0x8000000000000000LL) represents the sign of the floating-point number. Bits 62-52 (the bits that are selected by the mask 0x7ff0000000000000L) represent the exponent. Bits 51-0 (the bits that are selected by the mask 0x000fffffffffffffL) represent the significand (sometimes called the mantissa) of the floating-point number.

If the argument is positive infinity, the result is 0x7ff0000000000000LL. If the argument is negative infinity, the result is 0xfff0000000000000LL. If the argument is NaN, the result is the long integer representing the actual NaN value. Unlike the doubleToLongBits method, doubleToRawLongBits does not collapse all the bit patterns encoding a NaN to a single "canonical" NaN value.

In all cases, the result is a long integer that, when given to the longBitsToDouble(long) method, will produce a floating-point value the same as the argument to doubleToRawLongBits.

Parameters

value	- double to be converted

Returns

the long long bits that make up the double

6.337.2.7 virtual double decaf::lang::Double::doubleValue ( ) const [inline, virtual]

Answers the double value which the receiver represents.

Returns

double the value of the receiver.

Implements **decaf::lang::Number** (p. 2919).

6.337.2.8 bool decaf::lang::Double::equals (const Double & *d*) const [inline, virtual]

Parameters

d	- the **Double** (p. 1841) object to compare against.

Returns

true if the two **Double** (p. 1841) Objects have the same value.

Implements **decaf::lang::Comparable**< **Double** > (p. 1250).

6.337.2.9 bool decaf::lang::Double::equals (const double & *d*) const [inline, virtual]

Parameters

d	- the **Double** (p. 1841) object to compare against.

Returns

true if the two **Double** (p. 1841) Objects have the same value.

Implements **decaf::lang::Comparable**< **double** > (p. 1250).

6.337.2.10 virtual float decaf::lang::Double::floatValue ( ) const [inline, virtual]

Answers the float value which the receiver represents.

Returns

float the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.337.2.11 virtual int decaf::lang::Double::intValue ( ) const [inline, virtual]

Answers the int value which the receiver represents.

Returns

int the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.337.2.12 bool decaf::lang::Double::isInfinite ( ) const

Returns

true if the double is equal to positive infinity.

6.337.2.13 static bool decaf::lang::Double::isInfinite (double *value*) [static]

Parameters

value	- The double to check.

Returns

true if the double is equal to infinity.

6.337.2.14 bool decaf::lang::Double::isNaN ( ) const

Returns

true if the double is equal to NaN.

6.337.2.15 static bool decaf::lang::Double::isNaN (double *value*) [static]

Parameters

value	- The double to check.

Returns

true if the double is equal to NaN.

6.337.2.16 static double decaf::lang::Double::longBitsToDouble (long long *bits*) [static]

Returns the double value corresponding to a given bit representation.

The argument is considered to be a representation of a floating-point value according to the IEEE 754 floating-point "double format" bit layout.

If the argument is 0x7ff0000000000000L, the result is positive infinity. If the argument is 0xfff0000000000000L, the result is negative infinity. If the argument is any value in the range 0x7ff0000000000001L through 0x7fffffffffffffffL or in the range 0xfff0000000000001L through 0xffffffffffffffffL, the result is a NaN. No IEEE 754 floating-point operation provided by C++ can distinguish between two NaN values of the same type with different bit patterns. Distinct values of NaN are only distinguishable by use of the **Double.doubleToRawLongBits** (p. 1846) method.

Parameters

bits	- the long long bits to convert to double

Returns

the double converted from the bits

6.337.2.17 virtual long long decaf::lang::Double::longValue ( ) const [inline, virtual]

Answers the long value which the receiver represents.

Returns

long the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.337.2.18 virtual bool decaf::lang::Double::operator< (const Double & *d*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

d	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< Double >** (p. 1250).

6.337.2.19 virtual bool decaf::lang::Double::operator< (const double & *d*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

d	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< double >** (p. 1250).

6.337.2.20 virtual bool decaf::lang::Double::operator== (const Double & *d*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

d	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable**< **Double** > (p. 1250).

6.337.2.21 virtual bool decaf::lang::Double::operator== (const double & *d*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

d	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable**< **double** > (p. 1250).

6.337.2.22 static double decaf::lang::Double::parseDouble (const std::string *value*) throw (**exceptions::NumberFormatException**) [static]

Returns a new double initialized to the value represented by the specified string, as performed by the valueOf method of class **Double** (p. 1841).

Parameters

value	- The string to parse to an double

Returns

a double parsed from the passed string

Exceptions

NumberFormatException	

6.337.2.23 virtual short decaf::lang::Double::shortValue ( ) const [inline, virtual]

Answers the short value which the receiver represents.

Returns

short the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2920).

6.337.2.24 static std::string decaf::lang::Double::toHexString (double *value*) [static]

Returns a hexadecimal string representation of the double argument.

All characters mentioned below are ASCII characters.

∗ If the argument is NaN, the result is the string "NaN". ∗ Otherwise, the result is a string that represents the sign and magnitude (absolute value) of the argument. If the sign is negative, the first character of the result is '-'; if the sign is positive, no sign character appears in the result. As for the magnitude m: o If m is infinity, it is represented by the string "Infinity"; thus, positive infinity produces the result "Infinity" and negative infinity produces the result "-Infinity". o If m is zero, it is represented by the string "0x0.0p0"; thus, negative zero produces the result "-0x0.0p0" and positive zero produces the result "0x0.0p0". o If m is a double value with a normalized representation, substrings are used to represent the significand and exponent fields. The significand is represented by the characters "0x1." followed by a lowercase hexadecimal representation of the rest of the significand as a fraction. Trailing zeros in the hexadecimal representation are removed unless all the digits are zero, in which case a single zero is used. Next, the exponent is represented by "p" followed by a decimal string of the unbiased exponent as if produced by a call to **Integer.toString** (p. 2157) on the exponent value. o If m is a double value with a subnormal representation, the significand is represented by the characters "0x0." followed by a hexadecimal representation of the rest of the significand as a fraction. Trailing zeros in the hexadecimal representation are removed. Next, the exponent is represented by "p-126". Note that there must be at least one nonzero digit in a subnormal significand.

Parameters

value	- The double to convert to a string

Returns

the Hex formatted double string.

6.337.2.25 std::string decaf::lang::Double::toString ( ) const

Returns

this **Double** (p. 1841) Object as a **String** (p. 3775) Representation

6.337.2.26 static std::string decaf::lang::Double::toString (double *value*) [static]

Returns a string representation of the double argument.

All characters mentioned below are ASCII characters.

If the argument is NaN, the result is the string "NaN". Otherwise, the result is a string that represents the sign and magnitude (absolute value) of the argument. If the sign is negative, the first character of the result is '-'; if the sign is positive, no sign character appears in the result. As for the magnitude m: o If m is infinity, it is represented by the characters "Infinity"; thus, positive infinity produces the result "Infinity" and negative infinity produces the result "-Infinity". o If m is zero, it is represented by the characters "0.0"; thus, negative zero produces the result "-0.0" and positive zero produces the result "0.0". o If m is greater than or equal to 10-3 but less than 107, then it is represented as the integer part of m, in decimal form with no leading zeroes, followed by '.', followed by one or more decimal digits representing the fractional part of m. o If m is less than 10-3 or greater than or equal to 107, then it is represented in so-called "computerized scientific notation." Let n be the unique integer such that 10n <= m < 10n+1; then let a be the mathematically exact quotient of m and 10n so that 1 <= a < 10. The magnitude is then represented as the integer part of a, as a single decimal digit, followed by '.', followed by decimal digits representing the fractional part of a, followed by the letter 'E', followed by a representation of n as a decimal integer, as produced by the method **Integer.toString(int)** (p. 2158).

Parameters

value	- The double to convert to a string

Returns

the formatted double string.

6.337.2.27 static Double decaf::lang::Double::valueOf (double *value*) [static]

Returns a **Double** (p. 1841) instance representing the specified double value.

Parameters

value	- double to wrap

Returns

new **Double** (p. 1841) instance wrapping the primitive value

6.337.2.28 static Double decaf::lang::Double::valueOf (const std::string & *value*) throw (exceptions::NumberFormatException) [static]

Returns a **Double** (p. 1841) instance that wraps a primtive double which is parsed from the string value passed.

Parameters

value	- the string to parse

Returns

a new **Double** (p. 1841) instance wrapping the double parsed from value

Exceptions

NumberFormatException	on error.

6.337.3 Field Documentation

6.337.3.1 const double decaf::lang::Double::MAX_VALUE [static]

The maximum value that the primitive type can hold.

6.337.3.2 const double decaf::lang::Double::MIN_VALUE [static]

The minimum value that the primitive type can hold.

6.337.3.3 const double decaf::lang::Double::NaN [static]

Constant for the Not a **Number** (p. 2918) Value.

6.337.3.4 const double decaf::lang::Double::NEGATIVE_INFINITY [static]

Constant for Negative Infinitiy.

6.337.3.5 const double decaf::lang::Double::POSITIVE_INFINITY [static]

Constant for Positive Infinity.

6.337.3.6 const int decaf::lang::Double::SIZE = 64 [static]

The size in bits of the primitive int type.

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Double.h**

6.338 decaf::internal::nio::DoubleArrayBuffer Class Reference

`#include <src/main/decaf/internal/nio/DoubleArrayBuffer.h>`

Inheritance diagram for decaf::internal::nio::DoubleArrayBuffer:

Public Member Functions

- **DoubleArrayBuffer** (int capacity, bool readOnly=false) throw (decaf::lang::exceptions::IllegalArgument)

  *Creates a **DoubleArrayBuffer** (p. 1853) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.*

- **DoubleArrayBuffer** (double *array, int size, int offset, int length, bool readOnly=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfB)

  *Creates a **DoubleArrayBuffer** (p. 1853) object that wraps the given array.*

- **DoubleArrayBuffer** (const **decaf::lang::Pointer**< **ByteArrayAdapter** > &array, int offset, int length, bool readOnly=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

- **DoubleArrayBuffer** (const **DoubleArrayBuffer** &other)

  *Create a **DoubleArrayBuffer** (p. 1853) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.*

- virtual ~**DoubleArrayBuffer** ()
- virtual double * **array** () throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException)

  Returns the double array that backs this buffer (optional operation).
  Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.
  Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

  Returns

  *the array that backs this **Buffer** (p. 936).*

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this **Buffer** (p. 936) is read only.*
UnsupportedOperationException	*if the underlying store has no array.*

- virtual int **arrayOffset** () throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException)

  Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).
  Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

  Returns

  The offset into the backing array where index zero starts.

Exceptions

ReadOnlyBufferException (p. 3260)	*if this **Buffer** (p. 936) is read only.*
UnsupportedOperationException	*if the underlying store has no array.*

- virtual DoubleBuffer * **asReadOnlyBuffer** () const

  Creates a new, read-only double buffer that shares this buffer's content.
  The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.
  If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.
  The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

  Returns

  The new, read-only double buffer which the caller then owns.

- virtual DoubleBuffer & **compact** () throw (decaf::nio::ReadOnlyBufferException)

  Compacts this buffer.
  *The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.*
  The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

  Returns

  *a reference to this **DoubleBuffer** (p. 1865).*

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual DoubleBuffer * **duplicate** ()

  Creates a new double buffer that shares this buffer's content.
  The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

  Returns

  *a new double **Buffer** (p. 936) which the caller owns.*

- virtual double **get** () throw (decaf::nio::BufferUnderflowException)

  Relative get method.
  Reads the value at this buffer's current position, and then increments the position.
  Returns

  the double at the current position.
  Exceptions

BufferUnderflowException (p. 967)	*if there no more data to return.*

- virtual double **get** (int index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Absolute get method.
  Reads the value at the given index.
  Parameters

index	*The index in the **Buffer** (p. 936) where the double is to be read.*

  Returns

  the double that is located at the given index.
  Exceptions

IndexOutOfBoundsException	*if index is not smaller than the buffer's limit*

- virtual bool **hasArray** () const

  Tells whether or not this buffer is backed by an accessible double array.
  If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.
  Returns

  true if, and only if, this buffer is backed by an array and is not read-only

- virtual bool **isReadOnly** () const

  Tells whether or not this buffer is read-only.
  Returns

  true if, and only if, this buffer is read-only.

- virtual DoubleBuffer & **put** (double value) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException)

  Writes the given doubles into this buffer at the current position, and then increments the position.
  Parameters

value	*The doubles value to be written.*

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. 964)	*if this buffer's current position is not smaller than its limit.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual DoubleBuffer & **put** (int index, double value) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException)

Writes the given doubles into this buffer at the given index.

Parameters

index	*The position in the **Buffer** (p. 936) to write the data.*
value	*The doubles to write.*

Returns

a reference to this buffer

Exceptions

IndexOutOfBoundsException	*if index greater than the buffer's limit minus the size of the type being written, or the index is negative.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual DoubleBuffer * **slice** () const

*Creates a new **DoubleBuffer** (p. 1865) whose content is a shared subsequence of this buffer's content.*
The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

*the newly create **DoubleBuffer** (p. 1865) which the caller owns.*

Protected Member Functions

- virtual void **setReadOnly** (bool value)

*Sets this **DoubleArrayBuffer** (p. 1853) as Read-Only or not Read-Only.*

6.338.1 Constructor & Destructor Documentation

6.338.1.1 decaf::internal::nio::DoubleArrayBuffer::DoubleArrayBuffer (int *capacity*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::IllegalArgumentException)

Creates a **DoubleArrayBuffer** (p. 1853) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

size	The size of the array, this is the limit we read and write to.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

IllegalArguementException	if the capacity value is negative.

6.338.1.2 decaf::internal::nio::DoubleArrayBuffer::DoubleArrayBuffer (double * *array*, int *size*, int *offset*, int *length*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a **DoubleArrayBuffer** (p. 1853) object that wraps the given array.

If the own flag is set then it will delete this array when this object is deleted.

Parameters

array	The actual array to wrap.
size	The size of the given array.
offset	The position that is this buffers start position.
length	The limit of how many bytes into the array this Buffer can write.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if offset is greater than array capacity.

6.338.1.3 decaf::internal::nio::DoubleArrayBuffer::DoubleArrayBuffer (const decaf::lang::Pointer< ByteArrayAdapter > & *array*, int *offset*, int *length*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

The capacity and limit of the new **DoubleArrayBuffer** (p. 1853) will be that of the remaining capacity of the passed buffer.

Parameters

array	The ByteArrayAdapter to wrap.
offset	The position that is this buffers start position.
length	The limit of how many bytes into the array this Buffer can write.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

NullPointerException	if array is NULL
IndexOutOfBoundsException	if offset + length is greater than array size.

6.338.1.4 decaf::internal::nio::DoubleArrayBuffer::DoubleArrayBuffer (const DoubleArrayBuffer & *other*)

Create a **DoubleArrayBuffer** (p. 1853) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.

Parameters

other	The **DoubleArrayBuffer** (p. 1853) this one is to mirror.

6.338.1.5 virtual decaf::internal::nio::DoubleArrayBuffer::~DoubleArrayBuffer ( ) `[virtual]`

6.338.2 Member Function Documentation

6.338.2.1 virtual double* decaf::internal::nio::DoubleArrayBuffer::array ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException) `[virtual]`

Returns the double array that backs this buffer (optional operation).

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

the array that backs this **Buffer** (p. 936).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implements **decaf::nio::DoubleBuffer** (p. 1868).

6.338.2.2 virtual int decaf::internal::nio::DoubleArrayBuffer::arrayOffset ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException) [virtual]

Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset into the backing array where index zero starts.

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implements **decaf::nio::DoubleBuffer** (p. 1869).

6.338.2.3 virtual DoubleBuffer* decaf::internal::nio::DoubleArrayBuffer::asReadOnlyBuffer ( ) const [virtual]

Creates a new, read-only double buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and

will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only double buffer which the caller then owns.

Implements **decaf::nio::DoubleBuffer** (p. 1869).

6.338.2.4 virtual DoubleBuffer& decaf::internal::nio::DoubleArrayBuffer::compact ( ) throw (decaf::nio::ReadOnlyBufferException) [virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **DoubleBuffer** (p. 1865).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implements **decaf::nio::DoubleBuffer** (p. 1870).

6.338.2.5 virtual DoubleBuffer* decaf::internal::nio::DoubleArrayBuffer::duplicate ( ) [virtual]

Creates a new double buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new double **Buffer** (p. 936) which the caller owns.

Implements **decaf::nio::DoubleBuffer** (p. 1870).

6.338.2.6 virtual double decaf::internal::nio::DoubleArrayBuffer::get ( ) throw (decaf::nio::BufferUnderflowException) [virtual]

Relative get method.

Reads the value at this buffer's current position, and then increments the position.

Returns

the double at the current position.

Exceptions

BufferUnderflowException *(p. 967)*	if there no more data to return.

Implements **decaf::nio::DoubleBuffer** (p. 1872).

6.338.2.7 virtual double decaf::internal::nio::DoubleArrayBuffer::get (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Absolute get method.

Reads the value at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the double is to be read.

Returns

the double that is located at the given index.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit

Implements **decaf::nio::DoubleBuffer** (p. 1871).

6.338.2.8 virtual bool decaf::internal::nio::DoubleArrayBuffer::hasArray ( ) const [inline, virtual]

Tells whether or not this buffer is backed by an accessible double array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only

Implements **decaf::nio::DoubleBuffer** (p. 1873).

6.338.2.9 virtual bool decaf::internal::nio::DoubleArrayBuffer::isReadOnly ( ) const [inline, virtual]

Tells whether or not this buffer is read-only.

Returns

true if, and only if, this buffer is read-only.

Implements **decaf::nio::Buffer** (p. 940).

6.338.2.10 virtual DoubleBuffer& decaf::internal::nio::DoubleArrayBuffer::put (int *index*, double *value*) throw (**decaf::lang::exceptions::IndexOutOfBoundsException**, **decaf::nio::ReadOnlyBufferException**) [virtual]

Writes the given doubles into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The doubles to write.

Returns

a reference to this buffer

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or the index is negative.
ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implements **decaf::nio::DoubleBuffer** (p. 1874).

6.338.2.11 virtual DoubleBuffer& decaf::internal::nio::DoubleArrayBuffer::put (double *value*) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes the given doubles into this buffer at the current position, and then increments the position.

Parameters

value	The doubles value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if this buffer's current position is not smaller than its limit.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::DoubleBuffer** (p. 1873).

6.338.2.12 virtual void decaf::internal::nio::DoubleArrayBuffer::setReadOnly (bool *value*) [inline, protected, virtual]

Sets this **DoubleArrayBuffer** (p. 1853) as Read-Only or not Read-Only.

Parameters

value	Boolean value, true if this buffer is to be read-only, false otherwise.

6.338.2.13 virtual DoubleBuffer* decaf::internal::nio::DoubleArrayBuffer::slice ( ) const [virtual]

Creates a new **DoubleBuffer** (p. 1865) whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **DoubleBuffer** (p. 1865) which the caller owns.

Implements **decaf::nio::DoubleBuffer** (p. 1876).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/nio/**DoubleArrayBuffer.h**

6.339 decaf::nio::DoubleBuffer Class Reference

This class defines four categories of operations upon double buffers:

`#include <src/main/decaf/nio/DoubleBuffer.h>`

Inheritance diagram for decaf::nio::DoubleBuffer:

Public Member Functions

- virtual ~**DoubleBuffer** ()
- virtual std::string **toString** () const
- virtual double * **array** ()=0 throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException)

  Returns the double array that backs this buffer (optional operation).

- virtual int **arrayOffset** ()=0 throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException)

  Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

- virtual **DoubleBuffer** * **asReadOnlyBuffer** () const =0

  Creates a new, read-only double buffer that shares this buffer's content.

- virtual **DoubleBuffer** & **compact** ()=0 throw (ReadOnlyBufferException)

  Compacts this buffer.

- virtual **DoubleBuffer** * **duplicate** ()=0

  Creates a new double buffer that shares this buffer's content.

- virtual double **get** ()=0 throw (BufferUnderflowException)

  Relative get method.

- virtual double **get** (int index) const =0 throw (lang::exceptions::IndexOutOfBoundsException)

  Absolute get method.

- **DoubleBuffer** & **get** (std::vector< double > buffer) throw (BufferUnderflowException)

  Relative bulk get method.

- **DoubleBuffer** & **get** (double *buffer, int size, int offset, int length) throw (BufferUnderflowException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  Relative bulk get method.

- virtual bool **hasArray** () const =0

  Tells whether or not this buffer is backed by an accessible double array.

- **DoubleBuffer** & **put** (**DoubleBuffer** &src) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IllegalArgumentException)

  This method transfers the doubles remaining in the given source buffer into this buffer.

- **DoubleBuffer** & **put** (const double *buffer, int size, int offset, int length) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsExcep decaf::lang::exceptions::NullPointerException)

  This method transfers doubles into this buffer from the given source array.

- **DoubleBuffer** & **put** (std::vector< double > &buffer) throw (BufferOverflowException, ReadOnlyBufferException)

  This method transfers the entire content of the given source doubles array into this buffer.

- virtual **DoubleBuffer** & **put** (double value)=0 throw (BufferOverflowException, ReadOnlyBufferException)

  Writes the given doubles into this buffer at the current position, and then increments the position.

- virtual **DoubleBuffer** & **put** (int index, double value)=0 throw (decaf::lang::exceptions::IndexOutOfBoun ReadOnlyBufferException)

  Writes the given doubles into this buffer at the given index.

- virtual **DoubleBuffer** * **slice** () const =0

  *Creates a new **DoubleBuffer** (p. 1865) whose content is a shared subsequence of this buffer's content.*

- virtual int **compareTo** (const **DoubleBuffer** &value) const

- virtual bool **equals** (const **DoubleBuffer** &value) const

- virtual bool **operator==** (const **DoubleBuffer** &value) const

- virtual bool **operator**< (const **DoubleBuffer** &value) const

Static Public Member Functions

- static **DoubleBuffer** ∗ **allocate** (int capacity) throw (decaf::lang::exceptions::IllegalArgumentException)

  *Allocates a new **DoubleBuffer** (p. 1865).*

- static **DoubleBuffer** ∗ **wrap** (double ∗array, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  *Wraps the passed buffer with a new **DoubleBuffer** (p. 1865).*

- static **DoubleBuffer** ∗ **wrap** (std::vector< double > &buffer)

  *Wraps the passed STL double Vector in a **DoubleBuffer** (p. 1865).*

Protected Member Functions

- **DoubleBuffer** (int capacity) throw (decaf::lang::exceptions::IllegalArgumentException)

  *Creates a **DoubleBuffer** (p. 1865) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.*

6.339.1 Detailed Description

This class defines four categories of operations upon double buffers: o Absolute and relative get and put methods that read and write single doubles; o Relative bulk get methods that transfer contiguous sequences of doubles from this buffer into an array; and o Relative bulk put methods that transfer contiguous sequences of doubles from a double array or some other double buffer into this buffer o Methods for compacting, duplicating, and slicing a double buffer.

Double buffers can be created either by allocation, which allocates space for the buffer's content, by wrapping an existing double array into a buffer, or by creating a view of an existing byte buffer

Methods in this class that do not otherwise have a value to return are specified to return the buffer upon which they are invoked. This allows method invocations to be chained.

Since

1.0

6.339.2 Constructor & Destructor Documentation

6.339.2.1 decaf::nio::DoubleBuffer::DoubleBuffer (int *capacity*) throw (decaf::lang::exceptions::IllegalArgumentException) [protected]

Creates a **DoubleBuffer** (p. 1865) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

capacity	The size and limit of the **Buffer** (p. 936) in doubles

Exceptions

IllegalArguementException	if capacity is negative.

6.339.2.2 virtual decaf::nio::DoubleBuffer::~DoubleBuffer ( ) [inline, virtual]

6.339.3 Member Function Documentation

6.339.3.1 static DoubleBuffer* decaf::nio::DoubleBuffer::allocate (int *capacity*) throw (decaf::lang::exceptions::IllegalArgumentException) [static]

Allocates a new **DoubleBuffer** (p. 1865).

The new buffer's position will be zero, its limit will be its capacity, and its mark will be undefined. It will have a backing array, and its array offset will be zero.

Parameters

capacity	The size of the Double buffer in doubles.

Returns

the **DoubleBuffer** (p. 1865) that was allocated, caller owns.

Exceptions

IllegalArgumentException	is the capacity value is negative.

6.339.3.2 virtual double* decaf::nio::DoubleBuffer::array ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException) [pure virtual]

Returns the double array that backs this buffer (optional operation).

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

the array that backs this **Buffer** (p. 936).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implemented in **decaf::internal::nio::DoubleArrayBuffer** (p. 1859).

6.339.3.3 virtual int decaf::nio::DoubleBuffer::arrayOffset ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException) [pure virtual]

Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset into the backing array where index zero starts.

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implemented in **decaf::internal::nio::DoubleArrayBuffer** (p. 1860).

6.339.3.4 virtual DoubleBuffer* decaf::nio::DoubleBuffer::asReadOnlyBuffer ( ) const [pure virtual]

Creates a new, read-only double buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and

will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only double buffer which the caller then owns.

Implemented in **decaf::internal::nio::DoubleArrayBuffer** (p. 1860).

6.339.3.5 virtual DoubleBuffer& decaf::nio::DoubleBuffer::compact ( ) throw (ReadOnlyBufferException) [pure virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **DoubleBuffer** (p. 1865).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implemented in **decaf::internal::nio::DoubleArrayBuffer** (p. 1861).

6.339.3.6 virtual int decaf::nio::DoubleBuffer::compareTo (const DoubleBuffer & *value*) const [virtual]

6.339.3.7 virtual DoubleBuffer* decaf::nio::DoubleBuffer::duplicate ( ) [pure virtual]

Creates a new double buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content

will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new double **Buffer** (p. 936) which the caller owns.

Implemented in **decaf::internal::nio::DoubleArrayBuffer** (p. 1861).

6.339.3.8 virtual bool decaf::nio::DoubleBuffer::equals (const DoubleBuffer & *value*) const [virtual]

6.339.3.9 DoubleBuffer& decaf::nio::DoubleBuffer::get (std::vector< double > *buffer*) throw (BufferUnderflowException)

Relative bulk get method.

This method transfers values from this buffer into the given destination vector. An invocation of this method of the form src.get(a) behaves in exactly the same way as the invocation. The vector must be sized to the amount of data that is to be read, that is to say, the caller should call buffer.resize(N) before calling this get method.

Returns

a reference to this **Buffer** (p. 936).

Exceptions

BufferUnderflowException *(p. 967)*	iIf there are fewer than length doubles remaining in this buffer

6.339.3.10 virtual double decaf::nio::DoubleBuffer::get (int *index*) const throw (lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Absolute get method.

Reads the value at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the double is to be read.

Returns

the double that is located at the given index.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit

Implemented in **decaf::internal::nio::DoubleArrayBuffer** (p. 1862).

6.339.3.11 DoubleBuffer& decaf::nio::DoubleBuffer::get (double * *buffer,* int *size,* int *offset,* int *length*) throw (BufferUnderflowException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

Relative bulk get method.

This method transfers doubles from this buffer into the given destination array. If there are fewer doubles remaining in the buffer than are required to satisfy the request, that is, if length > **remaining()** (p. 941), then no bytes are transferred and a **BufferUnderflowException** (p. 967) is thrown.

Otherwise, this method copies length doubles from this buffer into the given array, starting at the current position of this buffer and at the given offset in the array. The position of this buffer is then incremented by length.

Parameters

buffer	The pointer to an allocated buffer to fill.
size	The size of the buffer passed.
offset	The position in the buffer to start filling.
length	The amount of data to put in the passed buffer.

Returns

a reference to this **Buffer** (p. 936).

Exceptions

BufferUnderflowException *(p. 967)*	if there are fewer than length doubles remaining in this buffer
NullPointerException	if the passed buffer is null.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.339.3.12 virtual double decaf::nio::DoubleBuffer::get ( ) throw (BufferUnderflowException) `[pure virtual]`

Relative get method.

Reads the value at this buffer's current position, and then increments the position.

Returns

the double at the current position.

Exceptions

BufferUnderflowException *(p. 967)*	if there no more data to return.

Implemented in **decaf::internal::nio::DoubleArrayBuffer** (p. 1862).

6.339.3.13 virtual bool decaf::nio::DoubleBuffer::hasArray ( ) const [pure virtual]

Tells whether or not this buffer is backed by an accessible double array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only

Implemented in **decaf::internal::nio::DoubleArrayBuffer** (p. 1863).

6.339.3.14 virtual bool decaf::nio::DoubleBuffer::operator< (const DoubleBuffer & *value*) const [virtual]

6.339.3.15 virtual bool decaf::nio::DoubleBuffer::operator== (const DoubleBuffer & *value*) const [virtual]

6.339.3.16 virtual DoubleBuffer& decaf::nio::DoubleBuffer::put (double *value*) throw (BufferOverflowException, ReadOnlyBufferException) [pure virtual]

Writes the given doubles into this buffer at the current position, and then increments the position.

Parameters

value	The doubles value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException *(p. 964)*	if this buffer's current position is not smaller than its limit.

ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::DoubleArrayBuffer** (p. 1864).

6.339.3.17 virtual DoubleBuffer& decaf::nio::DoubleBuffer::put (int *index*, double *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException) [pure virtual]

Writes the given doubles into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The doubles to write.

Returns

a reference to this buffer

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or the index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::DoubleArrayBuffer** (p. 1863).

6.339.3.18 DoubleBuffer& decaf::nio::DoubleBuffer::put (const double * *buffer*, int *size*, int *offset*, int *length*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

This method transfers doubles into this buffer from the given source array.

If there are more doubles to be copied from the array than remain in this buffer, that is, if length > **remaining()** (p. 941), then no doubles are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies length bytes from the given array into this buffer, starting at the given offset in the array and at the current position of this buffer. The position of this buffer is then incremented by length.

Parameters

buffer	The array from which doubles are to be read.

size	The size of the buffer passed.
offset	The offset within the array of the first char to be read.
length	The number of doubles to be read from the given array.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only
NullPointerException	if the passed buffer is null.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.339.3.19 DoubleBuffer& decaf::nio::DoubleBuffer::put (std::vector< double > & *buffer*) throw (BufferOverflowException, ReadOnlyBufferException)

This method transfers the entire content of the given source doubles array into this buffer.

This is the same as calling put(&buffer[0], 0, buffer.size().

Parameters

buffer	The buffer whose contents are copied to this **DoubleBuffer** (p. 1865).

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

6.339.3.20 DoubleBuffer& decaf::nio::DoubleBuffer::put (DoubleBuffer & *src*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IllegalArgumentException)

This method transfers the doubles remaining in the given source buffer into this buffer.

If there are more doubles remaining in the source buffer than in this buffer, that is, if src.remaining() > **remaining()** (p. 941), then no doubles are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies n = src.remaining() doubles from the given buffer into this buffer, starting at each buffer's current position. The positions of both buffers are then incremented by n.

Parameters

src	The buffer to take doubles from an place in this one.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException *(p. 964)*	if there is insufficient space in this buffer for the remaining doubles in the source buffer
IllegalArgumentException	if the source buffer is this buffer.
ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

6.339.3.21 virtual DoubleBuffer* decaf::nio::DoubleBuffer::slice ( ) const [pure virtual]

Creates a new **DoubleBuffer** (p. 1865) whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **DoubleBuffer** (p. 1865) which the caller owns.

Implemented in **decaf::internal::nio::DoubleArrayBuffer** (p. 1864).

6.339.3.22 virtual std::string decaf::nio::DoubleBuffer::toString ( ) const [virtual]

Returns

a std::string describing this object

6.339.3.23 static DoubleBuffer* decaf::nio::DoubleBuffer::wrap (double * *array,* int *size,* int *offset,* int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new **DoubleBuffer** (p. 1865).

The new buffer will be backed by the given double array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array.length, its position will be offset, its limit will be offset + length, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

array	The array that will back the new buffer.
size	The size of the passed in array.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new **DoubleBuffer** (p. 1865) that is backed by buffer, caller owns.

Exceptions

NullPointerException	if the array pointer is NULL.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.339.3.24 static DoubleBuffer* decaf::nio::DoubleBuffer::wrap (std::vector< double > & *buffer*) [static]

Wraps the passed STL double Vector in a **DoubleBuffer** (p. 1865).

The new buffer will be backed by the given double array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new **DoubleBuffer** (p. 1865) that is backed by buffer, caller owns.

The documentation for this class was generated from the following file:

- src/main/decaf/nio/**DoubleBuffer.h**

6.340 decaf::lang::DYNAMIC_CAST_TOKEN Struct Reference

`#include <src/main/decaf/lang/Pointer.h>`

The documentation for this struct was generated from the following file:

- src/main/decaf/lang/**Pointer.h**

6.341 activemq::cmsutil::DynamicDestinationResolver Class Reference

Resolves a CMS destination name to a `Destination`.

`#include <src/main/activemq/cmsutil/DynamicDestinationResolver.h>`

Inheritance diagram for activemq::cmsutil::DynamicDestinationResolver:

Data Structures

- class **SessionResolver**

  Manages maps of names to topics and queues for a single session.

Public Member Functions

- **DynamicDestinationResolver** ()
- virtual ~**DynamicDestinationResolver** ()
- virtual void **init** (**ResourceLifecycleManager** *mgr)

  Initializes this destination resolver for use.

- virtual void **destroy** ()

  Destroys any allocated resources.

- virtual **cms::Destination** * **resolveDestinationName** (**cms::Session** *session, const std::string &destName, bool pubSubDomain) throw (cms::CMSException)

Resolves the given name to a destination.

Protected Member Functions

- **DynamicDestinationResolver** (const **DynamicDestinationResolver** &)
- **DynamicDestinationResolver** & **operator=** (const **DynamicDestinationResolver** &)

6.341.1 Detailed Description

Resolves a CMS destination name to a `Destination`.

6.341.2 Constructor & Destructor Documentation

6.341.2.1 activemq::cmsutil::DynamicDestinationResolver::DynamicDestinationResolver (const DynamicDestinationResolver &) [inline, protected]

6.341.2.2 activemq::cmsutil::DynamicDestinationResolver::DynamicDestinationResolver ( )

6.341.2.3 virtual activemq::cmsutil::DynamicDestinationResolver::~DynamicDestinationResolver ( ) [virtual]

6.341.3 Member Function Documentation

6.341.3.1 virtual void activemq::cmsutil::DynamicDestinationResolver::destroy ( ) [virtual]

Destroys any allocated resources.

Implements **activemq::cmsutil::DestinationResolver** (p. 1811).

6.341.3.2 virtual void activemq::cmsutil::DynamicDestinationResolver::init (ResourceLifecycleManager * *mgr*) [inline, virtual]

Initializes this destination resolver for use.

Ensures that any previously allocated resources are first destroyed (e.g. calls **destroy()** (p. 1879)).

Parameters

mgr	the resource lifecycle manager.

Implements **activemq::cmsutil::DestinationResolver** (p. 1811).

6.341.3.3 DynamicDestinationResolver& activemq::cmsutil::DynamicDestinationResolver::operator= (const DynamicDestinationResolver &) [inline, protected]

6.341.3.4 virtual cms::Destination* activemq::cmsutil::DynamicDestinationResolver::resolveDestinationName (cms::Session * *session*, const std::string & *destName*, bool *pubSubDomain*) throw (cms::CMSException) [virtual]

Resolves the given name to a destination.

If `pubSubDomain` is true, a topic will be returned, otherwise a queue will be returned.

Parameters

session	the session for which to retrieve resolve the destination.
destName	the name to be resolved.
pubSubDomain	If true, the name will be resolved to a Topic, otherwise a Queue.

Returns

the resolved destination

Exceptions

cms::CMSException (p. *1190*)	if resolution failed.

Implements **activemq::cmsutil::DestinationResolver** (p. 1811).

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**DynamicDestinationResolver.h**

6.342 decaf::util::Map< K, V, COMPARATOR >::Entry Class Reference

`#include <src/main/decaf/util/Map.h>`

Public Member Functions

- **Entry** ()
- virtual ~**Entry** ()
- virtual const K & **getKey** () const =0
- virtual const V & **getValue** () const =0
- virtual void **setValue** (const V &value)=0

template<typename K, typename V, typename COMPARATOR = std::less<K>> class decaf::util::Map< K, V, COMPARATOR >::Entry

6.342.1 Constructor & Destructor Documentation

6.342.1.1 template<typename K, typename V, typename COMPARATOR = std::less<K>> decaf::util::Map< K, V, COMPARATOR >::Entry::Entry ( ) [inline]

6.342.1.2 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual decaf::util::Map< K, V, COMPARATOR >::Entry::~Entry ( ) [inline, virtual]

6.342.2 Member Function Documentation

6.342.2.1 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual const K& decaf::util::Map< K, V, COMPARATOR >::Entry::getKey ( ) const [pure virtual]

6.342.2.2 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual const V& decaf::util::Map< K, V, COMPARATOR >::Entry::getValue ( ) const [pure virtual]

6.342.2.3 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::Map< K, V, COMPARATOR >::Entry::setValue (const V & *value*) [pure virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/util/**Map.h**

6.343 decaf::io::EOFException Class Reference

`#include <src/main/decaf/io/EOFException.h>`

Inheritance diagram for decaf::io::EOFException:

Public Member Functions

- **EOFException** () throw ()

  Default Constructor.

- **EOFException** (const **lang::Exception** &ex) throw ()

  Copy Constructor.

- **EOFException** (const **EOFException** &ex) throw ()

Copy Constructor.

- **EOFException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **EOFException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **EOFException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor.

- virtual **EOFException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**EOFException** () throw ()

6.343.1 Constructor & Destructor Documentation

6.343.1.1 decaf::io::EOFException::EOFException ( ) throw () [inline]

Default Constructor.

6.343.1.2 decaf::io::EOFException::EOFException (const lang::Exception & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy

6.343.1.3 decaf::io::EOFException::EOFException (const EOFException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy, which is an instance of this type

6.343.1.4 decaf::io::EOFException::EOFException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.343.1.5 decaf::io::EOFException::EOFException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.343.1.6 decaf::io::EOFException::EOFException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor.

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.343.1.7 virtual decaf::io::EOFException::~EOFException ( ) throw () [inline, virtual]

6.343.2 Member Function Documentation

6.343.2.1 virtual EOFException* decaf::io::EOFException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new instance of an Exception that is a copy of this one.

Reimplemented from **decaf::io::IOException** (p. 2212).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**EOFException.h**

6.344 decaf::util::logging::ErrorManager Class Reference

ErrorManager (p. 1884) objects can be attached to Handlers to process any error that occur on a **Handler** (p. 2042) during Logging.

```
#include <src/main/decaf/util/logging/ErrorManager.h>
```

Public Member Functions

- **ErrorManager** ()
- virtual ∼**ErrorManager** ()
- virtual void **error** (const std::string &message, **decaf::lang::Exception** ∗ex, int **code**)

  *The error method is called when a **Handler** (p. 2042) failure occurs.*

Static Public Attributes

- static const int **GENERIC_FAILURE**

  GENERIC_FAILURE is used for failure that don't fit into one of the other categories.

- static const int **WRITE_FAILURE**

  WRITE_FAILURE is used when a write to an output stream fails.

- static const int **FLUSH_FAILURE**

  FLUSH_FAILURE is used when a flush to an output stream fails.

- static const int **CLOSE_FAILURE**

  CLOSE_FAILURE is used when a close of an output stream fails.

- static const int **OPEN_FAILURE**

  OPEN_FAILURE is used when an open of an output stream fails.

- static const int **FORMAT_FAILURE**

  FORMAT_FAILURE is used when formatting fails for any reason.

6.344.1 Detailed Description

ErrorManager (p. 1884) objects can be attached to Handlers to process any error that occur on a **Handler** (p. 2042) during Logging. When processing logging output, if a **Handler** (p. 2042) encounters problems then rather than throwing an Exception back to the issuer of the logging call (who is unlikely to be interested) the **Handler** (p. 2042) should call its associated **ErrorManager** (p. 1884).

Since

1.0

6.344.2 Constructor & Destructor Documentation

6.344.2.1 decaf::util::logging::ErrorManager::ErrorManager ( )

6.344.2.2 virtual decaf::util::logging::ErrorManager::~ErrorManager ( ) [virtual]

6.344.3 Member Function Documentation

6.344.3.1 virtual void decaf::util::logging::ErrorManager::error (const std::string & *message*, **decaf::lang::Exception** * *ex*, int *code*) [virtual]

The error method is called when a **Handler** (p. 2042) failure occurs.

This method may be overridden in subclasses. The default behavior in this base class is that the first call is reported to System.err, and subsequent calls are ignored.

Parameters

msg	- a descriptive string (may be empty)
ex	- an exception (may be NULL)
code	- an error code defined in **ErrorManager** (p. 1884)

6.344.4 Field Documentation

6.344.4.1 const int decaf::util::logging::ErrorManager::CLOSE_FAILURE [static]

CLOSE_FAILURE is used when a close of an output stream fails.

6.344.4.2 const int decaf::util::logging::ErrorManager::FLUSH_FAILURE [static]

FLUSH_FAILURE is used when a flush to an output stream fails.

6.344.4.3 const int decaf::util::logging::ErrorManager::FORMAT_FAILURE [static]

FORMAT_FAILURE is used when formatting fails for any reason.

6.344.4.4 const int decaf::util::logging::ErrorManager::GENERIC_FAILURE [static]

GENERIC_FAILURE is used for failure that don't fit into one of the other categories.

6.344.4.5 const int decaf::util::logging::ErrorManager::OPEN_FAILURE [static]

OPEN_FAILURE is used when an open of an output stream fails.

6.344.4.6 const int decaf::util::logging::ErrorManager::WRITE_FAILURE [static]

WRITE_FAILURE is used when a write to an output stream fails.

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**ErrorManager.h**

6.345 decaf::lang::Exception Class Reference

`#include <src/main/decaf/lang/Exception.h>`

Inheritance diagram for decaf::lang::Exception:

Public Member Functions

- **Exception** () throw ()

  Default Constructor.

- **Exception** (const **Exception** &ex) throw ()

  Copy Constructor.

- **Exception** (const std::exception ∗**cause**) throw ()

  Constructor.

- **Exception** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **Exception** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual ∼**Exception** () throw ()
- virtual std::string **getMessage** () const

  Gets the message for this exception.

- virtual const std::exception ∗ **getCause** () const

  Gets the exception that caused this one to be thrown, this allows for chaining of exceptions in the case of a method that throws only a particular exception but wishes to allow for the real causal exception to be passed only in case the caller knows about that type of exception and wishes to respond to it.

- virtual void **initCause** (const std::exception ∗**cause**)

  Initializes the contained cause exception with the one given.

- virtual const char ∗ **what** () const throw ()

  Implement method from std::exception.

- virtual void **setMessage** (const char ∗msg,...)

  Sets the cause for this exception.

- virtual void **setMark** (const char ∗file, const int lineNumber)

  Adds a file/line number to the stack trace.

- virtual **Exception** ∗ **clone** () const

  Clones this exception.

- virtual std::vector< std::pair< std::string, int > > **getStackTrace** () const

  Provides the stack trace for every point where this exception was caught, marked, and rethrown.

- virtual void **printStackTrace** () const

  Prints the stack trace to std::err.

- virtual void **printStackTrace** (std::ostream &stream) const

  Prints the stack trace to the given output stream.

- virtual std::string **getStackTraceString** () const

Gets the stack trace as one contiguous string.

- **Exception** & **operator=** (const **Exception** &ex)

  Assignment operator.

Protected Member Functions

- virtual void **setStackTrace** (const std::vector< std::pair< std::string, int > > &trace)
- virtual void **buildMessage** (const char *format, va_list &vargs)

Protected Attributes

- std::string **message**

  The cause of this exception.

- std::exception * **cause**

  *The **Exception** (p. 1886) that caused this one to be thrown.*

- std::vector< std::pair< std::string, int > > **stackTrace**

  The stack trace.

6.345.1 Constructor & Destructor Documentation

6.345.1.1 decaf::lang::Exception::Exception ( ) throw ()

Default Constructor.

6.345.1.2 decaf::lang::Exception::Exception (const Exception & *ex*) throw ()

Copy Constructor.

Parameters

ex	The **Exception** (p. 1886) instance to copy.

6.345.1.3 decaf::lang::Exception::Exception (const std::exception * *cause*) throw ()

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.345.1.4 decaf::lang::Exception::Exception (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw ()

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.345.1.5 decaf::lang::Exception::Exception (const char * *file,* const int *lineNumber,* const std::exception * *cause,* const char * *msg,* ...) throw ()

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.345.1.6 virtual decaf::lang::Exception::~Exception ( ) throw () [virtual]

6.345.2 Member Function Documentation

6.345.2.1 virtual void decaf::lang::Exception::buildMessage (const char * *format,* va_list & *vargs*) [protected, virtual]

Referenced by decaf::lang::exceptions::NumberFormatException::NumberFormatException().

6.345.2.2 virtual Exception* decaf::lang::Exception::clone ( ) const [virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

Copy of this **Exception** (p. 1886) object

Implements **decaf::lang::Throwable** (p. 3896).

Reimplemented in **activemq::exceptions::ActiveMQException** (p. 349), **activemq::exceptions::BrokerExcep**
(p. 874), **decaf::internal::net::ssl::openssl::OpenSSLSocketException** (p. 2958), **de-**
caf::io::EOFException (p. 1883), **decaf::io::InterruptedIOException** (p. 2198),
decaf::io::IOException (p. 2212), **decaf::io::UnsupportedEncodingException** (p. 4027),
decaf::io::UTFDataFormatException (p. 4080), **decaf::lang::exceptions::ClassCastException**
(p. 1179), **decaf::lang::exceptions::IllegalArgumentException** (p. 2056), **decaf::lang::exceptions::IllegalM**
(p. 2059), **decaf::lang::exceptions::IllegalStateException** (p. 2062), **decaf::lang::exceptions::IllegalThread**
(p. 2065), **decaf::lang::exceptions::IndexOutOfBoundsException** (p. 2072), **decaf::lang::exceptions::Inter**
(p. 2196), **decaf::lang::exceptions::InvalidStateException** (p. 2210), **decaf::lang::exceptions::NoSuchElem**
(p. 2912), **decaf::lang::exceptions::NullPointerException** (p. 2918), **decaf::lang::exceptions::NumberForm**
(p. 2923), **decaf::lang::exceptions::RuntimeException** (p. 3423), **decaf::lang::exceptions::UnsupportedOp**
(p. 4030), **decaf::net::BindException** (p. 844), **decaf::net::ConnectException** (p. 1296),
decaf::net::HttpRetryException (p. 2051), **decaf::net::MalformedURLException**
(p. 2538), **decaf::net::NoRouteToHostException** (p. 2907), **decaf::net::PortUnreachableException**
(p. 3062), **decaf::net::ProtocolException** (p. 3230), **decaf::net::SocketException** (p. 3629),
decaf::net::SocketTimeoutException (p. 3652), **decaf::net::UnknownHostException**
(p. 4022), **decaf::net::UnknownServiceException** (p. 4024), **decaf::net::URISyntaxException**
(p. 4063), **decaf::nio::BufferOverflowException** (p. 966), **decaf::nio::BufferUnderflowException**
(p. 969), **decaf::nio::InvalidMarkException** (p. 2206), **decaf::nio::ReadOnlyBufferException**
(p. 3263), **decaf::security::cert::CertificateEncodingException** (p. 1118), **decaf::security::cert::Certificate**
(p. 1120), **decaf::security::cert::CertificateExpiredException** (p. 1122), **decaf::security::cert::CertificateN**
(p. 1124), **decaf::security::cert::CertificateParsingException** (p. 1126), **decaf::security::GeneralSecurityE**
(p. 2037), **decaf::security::InvalidKeyException** (p. 2203), **decaf::security::KeyException**
(p. 2368), **decaf::security::KeyManagementException** (p. 2371), **decaf::security::NoSuchAlgorithmExcept**
(p. 2910), **decaf::security::NoSuchProviderException** (p. 2915), **decaf::security::SignatureException**
(p. 3604), **decaf::util::concurrent::BrokenBarrierException** (p. 868), **decaf::util::concurrent::Cancellation**
(p. 1112), **decaf::util::concurrent::ExecutionException** (p. 1926), **decaf::util::concurrent::RejectedExecuti**
(p. 3282), **decaf::util::concurrent::TimeoutException** (p. 3901), **decaf::util::zip::DataFormatException**
(p. 1602), and **decaf::util::zip::ZipException** (p. 4178).

6.345.2.3 virtual const std::exception* decaf::lang::Exception::getCause ( ) const [inline, virtual]

Gets the exception that caused this one to be thrown, this allows for chaining of exceptions in the case of a method that throws only a particular exception but wishes to allow for the real causal exception to be passed only in case the caller knows about that type of exception and wishes to respond to it.

Returns

a const pointer reference to the causal exception, if there was no cause associated with this exception then NULL is returned.

Implements **decaf::lang::Throwable** (p. 3897).

6.345.2.4 virtual std::string decaf::lang::Exception::getMessage ( ) const [inline, virtual]

Gets the message for this exception.

Returns

Text formatted error message

Implements **decaf::lang::Throwable** (p. 3897).

Referenced by activemq::exceptions::BrokerException::BrokerException().

6.345.2.5 virtual std::vector< std::pair< std::string, int> > decaf::lang::Exception::getStackTrace ( ) const [virtual]

Provides the stack trace for every point where this exception was caught, marked, and rethrown.

The first item in the returned vector is the first point where the mark was set (e.g. where the exception was created).

Returns

the stack trace.

Implements **decaf::lang::Throwable** (p. 3897).

6.345.2.6 virtual std::string decaf::lang::Exception::getStackTraceString ( ) const [virtual]

Gets the stack trace as one contiguous string.

Returns

string with formatted stack trace data

Implements **decaf::lang::Throwable** (p. 3898).

6.345.2.7 virtual void decaf::lang::Exception::initCause (const std::exception * *cause*) [virtual]

Initializes the contained cause exception with the one given.

A copy is made to avoid ownership issues.

Parameters

cause	The exception that was the cause of this one.

Implements **decaf::lang::Throwable** (p. 3898).

6.345.2.8 Exception& decaf::lang::Exception::operator= (const Exception & *ex*)

Assignment operator.

Parameters

ex	const reference to another **Exception** (p. 1886)

6.345.2.9 virtual void decaf::lang::Exception::printStackTrace ( ) const [virtual]

Prints the stack trace to std::err.

Implements **decaf::lang::Throwable** (p. 3898).

6.345.2.10 virtual void decaf::lang::Exception::printStackTrace (std::ostream & *stream*) const [virtual]

Prints the stack trace to the given output stream.

Parameters

stream	the target output stream.

Implements **decaf::lang::Throwable** (p. 3898).

6.345.2.11 virtual void decaf::lang::Exception::setMark (const char * *file*, const int *lineNumber*) [virtual]

Adds a file/line number to the stack trace.

Parameters

file	The name of the file calling this method (use __FILE__).
lineNumber	The line number in the calling file (use __LINE__).

Implements **decaf::lang::Throwable** (p. 3899).

Referenced by decaf::lang::exceptions::NumberFormatException::NumberFormatException().

6.345.2.12 virtual void decaf::lang::Exception::setMessage (const char * *msg*, ...) [virtual]

Sets the cause for this exception.

Parameters

msg	the format string for the msg.
...	params to format into the string

6.345.2.13 virtual void decaf::lang::Exception::setStackTrace (const std::vector< std::pair< std::string, int > > & *trace*) [protected, virtual]

6.345.2.14 virtual const char* decaf::lang::Exception::what ( ) const throw () [inline, virtual]

Implement method from std::exception.

Returns

the const char* of **getMessage()** (p. 1891).

6.345.3 Field Documentation

6.345.3.1 std::exception* decaf::lang::Exception::cause [protected]

The **Exception** (p. 1886) that caused this one to be thrown.

6.345.3.2 std::string decaf::lang::Exception::message [protected]

The cause of this exception.

6.345.3.3 std::vector< std::pair< std::string, int> > decaf::lang::Exception::stackTrace [protected]

The stack trace.

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Exception.h**

6.346 cms::ExceptionListener Class Reference

If a CMS provider detects a serious problem, it notifies the client application through an **ExceptionListener** (p. 1893) that is registered with the **Connection** (p. 1296).

```
#include <src/main/cms/ExceptionListener.h>
```

Public Member Functions

- virtual ~**ExceptionListener** ()

- virtual void **onException** (const **cms::CMSException** &ex)=0

  Called when an exception occurs.

6.346.1 Detailed Description

If a CMS provider detects a serious problem, it notifies the client application through an **ExceptionListener** (p. 1893) that is registered with the **Connection** (p. 1296). An exception listener allows a client to be notified of a problem asynchronously. Some connections only consume messages via the asynchronous event mechanism so they would have no other way to learn that their connection has failed.

Since

1.0

6.346.2 Constructor & Destructor Documentation

6.346.2.1 virtual cms::ExceptionListener::~ExceptionListener ( ) [inline, virtual]

6.346.3 Member Function Documentation

6.346.3.1 virtual void cms::ExceptionListener::onException (const cms::CMSException & *ex*) [pure virtual]

Called when an exception occurs.

Once notified of an exception the caller should no longer use the resource that generated the exception.

Parameters

ex	Exception Object that occurred.

The documentation for this class was generated from the following file:

- src/main/cms/**ExceptionListener.h**

6.347 activemq::commands::ExceptionResponse Class Reference

```
#include <src/main/activemq/commands/ExceptionResponse.h>
```

Inheritance diagram for activemq::commands::ExceptionResponse:

Public Member Functions

- **ExceptionResponse** ()
- virtual ~**ExceptionResponse** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ExceptionResponse** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **BrokerError** > & **getException** () const
- virtual **Pointer**< **BrokerError** > & **getException** ()
- virtual void **setException** (const **Pointer**< **BrokerError** > &**exception**)

Static Public Attributes

- static const unsigned char **ID_EXCEPTIONRESPONSE** = 31

Protected Attributes

- **Pointer**< **BrokerError** > **exception**

6.347.1 Constructor & Destructor Documentation

6.347.1.1 activemq::commands::ExceptionResponse::ExceptionResponse ( )

6.347.1.2 virtual activemq::commands::ExceptionResponse::∼ExceptionResponse ( ) [virtual]

6.347.2 Member Function Documentation

6.347.2.1 virtual ExceptionResponse∗ activemq::commands::ExceptionResponse::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::Response** (p. 3380).

6.347.2.2 virtual void activemq::commands::ExceptionResponse::copyDataStructure (const DataStructure ∗ *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::Response** (p. 3380).

6.347.2.3 virtual bool activemq::commands::ExceptionResponse::equals (const DataStructure ∗ *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::Response** (p. 3381).

6.347.2.4 virtual unsigned char activemq::commands::ExceptionResponse::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::Response** (p. 3381).

6.347.2.5 virtual Pointer<BrokerError>& activemq::commands::ExceptionResponse::getException ( ) [virtual]

6.347.2.6 virtual const Pointer<BrokerError>& activemq::commands::ExceptionResponse::getException ( ) const [virtual]

6.347.2.7 virtual void activemq::commands::ExceptionResponse::setException (const Pointer< BrokerError > & *exception*) [virtual]

6.347.2.8 virtual std::string activemq::commands::ExceptionResponse::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::Response** (p. 3382).

6.347.3 Field Documentation

6.347.3.1 Pointer<BrokerError> activemq::commands::ExceptionResponse::exception [protected]

6.347.3.2 const unsigned char activemq::commands::ExceptionResponse::ID_EXCEPTIONRESPONSE = 31 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ExceptionResponse.h**

6.348 activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1898).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/ExceptionRespon`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller:

Public Member Functions

- **ExceptionResponseMarshaller** ()
- virtual ∼**ExceptionResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.348.1 Detailed Description

Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1898).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.348.2 Constructor & Destructor Documentation

6.348.2.1 activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller::ExceptionResponseMarshaller ( ) [inline]

6.348.2.2 virtual activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller::~ExceptionResponseMarshaller ( ) [inline, virtual]

6.348.3 Member Function Documentation

6.348.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415).

6.348.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415).

6.348.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415).

6.348.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3416).

6.348.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3417).

6.348.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3417).

6.348.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3418).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ExceptionResponseMarshaller.h**

6.349 activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1902).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/ExceptionRespon
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller:

Public Member Functions

- **ExceptionResponseMarshaller** ()
- virtual ∼**ExceptionResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.349.1 Detailed Description

Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1902).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.349.2 Constructor & Destructor Documentation

6.349.2.1 activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller::ExceptionResponseMarshaller ( ) [inline]

6.349.2.2 virtual activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller::∼ExceptionResponseMarshaller ( ) [inline, virtual]

6.349.3 Member Function Documentation

6.349.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395).

6.349.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395).

6.349.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395).

6.349.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3396).

6.349.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3397).

6.349.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3397).

6.349.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3398).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ExceptionResponseMarshaller.h**

6.350 activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1906).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ExceptionRespon
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller:

Public Member Functions

- **ExceptionResponseMarshaller** ()
- virtual ~**ExceptionResponseMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.350.1 Detailed Description

Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1906).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.350.2 Constructor & Destructor Documentation

6.350.2.1 activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller::ExceptionResponseMarshaller ( ) [inline]

6.350.2.2 virtual activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller::∼ExceptionResponseMarshaller ( ) [inline, virtual]

6.350.3 Member Function Documentation

6.350.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405).

6.350.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller::getDataStructur ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405).

6.350.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405).

6.350.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3406).

6.350.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3407).

6.350.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3407).

6.350.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) `[virtual]`

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3408).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ExceptionResponseMarshaller.h**

6.351 activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1910).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/ExceptionRespon`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller:

Public Member Functions

- **ExceptionResponseMarshaller** ()
- virtual ∼**ExceptionResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.351.1 Detailed Description

Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1910).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.351.2 Constructor & Destructor Documentation

6.351.2.1 activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller::ExceptionResponseMarshaller ( ) [inline]

6.351.2.2 virtual activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller::~ExceptionResponseMarshall ( ) [inline, virtual]

6.351.3 Member Function Documentation

6.351.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400).

6.351.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller::getDataStructur ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400).

6.351.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400).

6.351.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3401).

6.351.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3402).

6.351.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3402).

6.351.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3403).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ExceptionResponseMarshaller.h**

6.352 activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1915).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/ExceptionResponseMarshal`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller:

Public Member Functions

- **ExceptionResponseMarshaller** ()
- virtual ∼**ExceptionResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.352.1 Detailed Description

Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1915). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.352.2 Constructor & Destructor Documentation

6.352.2.1 activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller::ExceptionResponseMarshaller ( ) [inline]

6.352.2.2 virtual activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller::~ExceptionResponseMarshall ( ) [inline, virtual]

6.352.3 Member Function Documentation

6.352.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390).

6.352.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller::getDataStructur ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390).

6.352.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390).

6.352.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3391).

6.352.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3392).

6.352.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3392).

6.352.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3393).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ExceptionResponseMarshaller.h**

6.353 activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1919).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/ExceptionResponseMarshal`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller:

Public Member Functions

- **ExceptionResponseMarshaller** ()
- virtual ~**ExceptionResponseMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.353.1 Detailed Description

Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1919).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.353.2 Constructor & Destructor Documentation

6.353.2.1 activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller::ExceptionResponseMarshaller ( ) [inline]

6.353.2.2 virtual activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller::∼ExceptionResponseMarshall ( ) [inline, virtual]

6.353.3 Member Function Documentation

6.353.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410).

6.353.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410).

6.353.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410).

6.353.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3411).

6.353.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3412).

6.353.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3412).

6.353.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3413).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ExceptionResponseMarshaller.h**

6.354 decaf::util::concurrent::ExecutionException Class Reference

`#include <src/main/decaf/util/concurrent/ExecutionException.h>`

Inheritance diagram for decaf::util::concurrent::ExecutionException:

Public Member Functions

- **ExecutionException** () throw ()

  Default Constructor.

- **ExecutionException** (const **decaf::lang::Exception** &ex) throw ()

  Conversion Constructor from some other Exception.

- **ExecutionException** (const **ExecutionException** &ex) throw ()

  Copy Constructor.

- **ExecutionException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **ExecutionException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **ExecutionException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **ExecutionException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**ExecutionException** () throw ()

6.354.1 Constructor & Destructor Documentation

6.354.1.1 decaf::util::concurrent::ExecutionException::ExecutionException ( ) throw () [inline]

Default Constructor.

6.354.1.2 decaf::util::concurrent::ExecutionException::ExecutionException (const decaf::lang::Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	- An exception that should become this type of Exception

6.354.1.3 decaf::util::concurrent::ExecutionException::ExecutionException (const ExecutionException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	- The Exception to copy in this new instance.

6.354.1.4 decaf::util::concurrent::ExecutionException::ExecutionException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.354.1.5 decaf::util::concurrent::ExecutionException::ExecutionException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	- The file name where exception occurs
lineNumber	- The line number where the exception occurred.
msg	- The message to report
...	- The list of primitives that are formatted into the message

6.354.1.6 decaf::util::concurrent::ExecutionException::ExecutionException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	- The file name where exception occurs
lineNumber	- The line number where the exception occurred.
cause	- The exception that was the cause for this one to be thrown.
msg	- The message to report
...	- list of primitives that are formatted into the message

6.354.1.7 virtual decaf::util::concurrent::ExecutionException::~ExecutionException ( ) throw () [inline, virtual]

6.354.2 Member Function Documentation

6.354.2.1 virtual ExecutionException* decaf::util::concurrent::ExecutionException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new instance of an exception that is a clone of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**ExecutionException.h**

6.355 decaf::util::concurrent::Executor Class Reference

An object that executes submitted **decaf.lang.Runnable** (p. 3418) tasks.

`#include <src/main/decaf/util/concurrent/Executor.h>`

Inheritance diagram for decaf::util::concurrent::Executor:

Public Member Functions

- virtual ~**Executor** ()
- virtual void **execute** (Runnable *command)=0 throw (decaf::util::concurrent::RejectedExecutionExceptio decaf::lang::exceptions::NullPointerException)

  Executes the given command at some time in the future.

6.355.1 Detailed Description

An object that executes submitted **decaf.lang.Runnable** (p. 3418) tasks. This interface provides a way of decoupling task submission from the mechanics of how each task will be run, including details of thread use, scheduling, etc. An **`Executor`** (p. 1926) is normally used instead of explicitly creating threads. For example, rather than invoking `new Thread(new(RunnableTask())).start()` for each of a set of tasks, you might use:

```
Executor (p.1926) executor =  anExecutor;
executor->execute( new RunnableTask1() );
executor->execute( new RunnableTask2() );
...
```

However, the **Executor** (p. 1926) interface does not strictly require that execution be asynchronous. In the simplest case, an executor can run the submitted task immediately in the caller's thread:

```
class DirectExecutor : public Executor (p.1926) {
public:


    void execute( Runnable* r ) (p.1928) {
        r->run();
    }


}
```

More typically, tasks are executed in some thread other than the caller's thread. The executor below spawns a new thread for each task.

```
class ThreadPerTaskExecutor : public Executor (p.1926) {
public:
    std::vector<Thread*gt; threads;


    void execute( Runnable* r ) (p.1928) {
        threads.push_back( new Thread( r ) );
        threads.rbegin()->start();
    }


}
```

The **Executor** (p. 1926) implementations provided in this package implement **decaf.util.concurrent.ExecutorService** (p. 1928), which is a more extensive interface. The **decaf.util.concurrent.ThreadPoolExecutor** (p. **??**) class provides an extensible thread pool implementation. The **decaf.util.concurrentExecutor** (p. **??**) class provides convenient factory methods for these Executors.

Since

1.0

6.355.2 Constructor & Destructor Documentation

6.355.2.1 virtual decaf::util::concurrent::Executor::~Executor ( ) [inline, virtual]

6.355.3 Member Function Documentation

6.355.3.1 virtual void decaf::util::concurrent::Executor::execute (Runnable * *command*) throw (**decaf::util::concurrent::RejectedExecutionException**, **decaf::lang::exceptions::NullPointerException**) [pure virtual]

Executes the given command at some time in the future.

The command may execute in a new thread, in a pooled thread, or in the calling thread, at the discretion of the **Executor** (p. 1926) implementation.

Parameters

command	the runnable task

Exceptions

RejectedExecutionException (p. *3280*)	if this task cannot be accepted for execution.
NullPointerException	if command is null

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**Executor.h**

6.356 decaf::util::concurrent::ExecutorService Class Reference

An **Executor** (p. 1926) that provides methods to manage termination and methods that can produce a **Future** (p. 2029) for tracking progress of one or more asynchronous tasks.

`#include <src/main/decaf/util/concurrent/ExecutorService.h>`

Inheritance diagram for decaf::util::concurrent::ExecutorService:

Public Member Functions

- virtual ~**ExecutorService** ()
- bool **awaitTermination** (long long timeout, const **TimeUnit** &unit)=0 throw (decaf::lang::exceptions::InterruptedException)

Blocks until all tasks have completed execution after a shutdown request, or the timeout occurs, or the current thread is interrupted, whichever happens first.

6.356.1 Detailed Description

An **Executor** (p. 1926) that provides methods to manage termination and methods that can produce a **Future** (p. 2029) for tracking progress of one or more asynchronous tasks. An **ExecutorService** (p. 1928) can be shut down, which will cause it to reject new tasks. Two different methods are provided for shutting down an **ExecutorService** (p. 1928). The shutdown() method will allow previously submitted tasks to execute before terminating, while the shutdownNow() method prevents waiting tasks from starting and attempts to stop currently executing tasks. Upon termination, an executor has no tasks actively executing, no tasks awaiting execution, and no new tasks can be submitted. An unused **ExecutorService** (p. 1928) should be shut down to allow reclamation of its resources.

Method submit extends base method **Executor.execute** (p. 1928)(**decaf.lang.Runnable** (p. 3418)) by creating and returning a **Future** (p. 2029) that can be used to cancel execution and/or wait for completion. Methods invokeAny and invokeAll perform the most commonly useful forms of bulk execution, executing a collection of tasks and then waiting for at least one, or all, to complete. (Class ExecutorCompletionService can be used to write customized variants of these methods.)

The Executors class provides factory methods for the executor services provided in this package.

Since

1.0

6.356.2 Constructor & Destructor Documentation

6.356.2.1 virtual decaf::util::concurrent::ExecutorService::~ExecutorService ( ) [inline, virtual]

6.356.3 Member Function Documentation

6.356.3.1 bool decaf::util::concurrent::ExecutorService::awaitTermination (long long *timeout*, const TimeUnit & *unit*) throw (decaf::lang::exceptions::InterruptedException) [pure virtual]

Blocks until all tasks have completed execution after a shutdown request, or the timeout occurs, or the current thread is interrupted, whichever happens first.

Parameters

timeout	The amount of time to wait before timing out the Wait operation.
unit	The Units that comprise the timeout value.

Returns

true if the executer terminated before the given timeout value elapsed.

Exceptions

InterruptedException	- if interrupted while waiting.

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**ExecutorService.h**

6.357 activemq::transport::failover::FailoverTransport Class Reference

`#include <src/main/activemq/transport/failover/FailoverTransport.h>`

Inheritance diagram for activemq::transport::failover::FailoverTransport:

Public Member Functions

- **FailoverTransport** ()
- virtual ~**FailoverTransport** ()
- void **reconnect** ()

  *Indicates that the **Transport** (p. 3996) needs to reconnect to another URI in its list.*

- void **add** (const std::string &uri)

  Adds a New URI to the List of URIs this transport can Connect to.

- virtual void **addURI** (const **List**< **URI** > &uris)

  *Add a URI to the list of URI's that will represent the set of Transports that this **Transport** (p. 3996) is a composite of.*

- virtual void **removeURI** (const **List**< **URI** > &uris)

  *Remove a URI from the set of URI's that represents the set of Transports that this **Transport** (p. 3996) is composed of, removing a URI for which the composite has created a connected **Transport** (p. 3996) should result in that **Transport** (p. 3996) being disposed of.*

- virtual void **start** () throw (decaf::io::IOException)

  Starts this transport object and creates the thread for polling on the input stream for commands.

- virtual void **stop** () throw (decaf::io::IOException)

  *Stop the **Transport** (p. 3996).*

- virtual void **close** () throw (decaf::io::IOException)

  Stops the polling thread and closes the streams.

- virtual void **oneway** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends a one-way command.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends the given command to the broker and then waits for the response.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command, unsigned int timeout) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends the given command to the broker and then waits for the response.

- virtual void **setWireFormat** (const **Pointer**< **wireformat::WireFormat** > &wireFormat AMQCPP_UNUSED)

  Sets the WireFormat instance to use.

- virtual void **setTransportListener** (**TransportListener** *listener)

  Sets the observer of asynchronous events from this transport.

- virtual **TransportListener** * **getTransportListener** () const

  Gets the observer of asynchronous exceptions from this transport.

- virtual bool **isFaultTolerant** () const

  *Is this **Transport** (p. 3996) fault tolerant, meaning that it will reconnect to a broker on disconnect.*

- virtual bool **isConnected** () const

  *Is the **Transport** (p. 3996) Connected to its Broker.*

- virtual bool **isClosed** () const

  *Has the **Transport** (p. 3996) been shutdown and no longer usable.*

- bool **isInitialized** () const

  *Returns true if the **Transport** (p. 3996) has been initialized by a BrokerInfo command.*

- void **setInitialized** (bool value)

  *Sets the initialized state of this **Transport** (p. 3996) to true.*

- virtual **Transport** * **narrow** (const std::type_info &typeId)

*Narrows down a Chain of Transports to a specific **Transport** (p. 3996) to allow a higher level transport to skip intermediate Transports in certain circumstances.*

- virtual std::string **getRemoteAddress** () const
- virtual bool **isPending** () const
- virtual bool **iterate** ()

  *Performs the actual Reconnect operation for the **FailoverTransport** (p. 1930), when a connection is made this method returns false to indicate it doesn't need to run again, otherwise it returns true to indicate its still trying to connect.*

- virtual void **reconnect** (const **decaf::net::URI** &uri) throw (decaf::io::IOException)

  reconnect to another location

- long long **getTimeout** () const
- void **setTimeout** (long long value)
- long long **getInitialReconnectDelay** () const
- void **setInitialReconnectDelay** (long long value)
- long long **getMaxReconnectDelay** () const
- void **setMaxReconnectDelay** (long long value)
- long long **getBackOffMultiplier** () const
- void **setBackOffMultiplier** (long long value)
- bool **isUseExponentialBackOff** () const
- void **setUseExponentialBackOff** (bool value)
- bool **isRandomize** () const
- void **setRandomize** (bool value)
- int **getMaxReconnectAttempts** () const
- void **setMaxReconnectAttempts** (int value)
- int **getStartupMaxReconnectAttempts** () const
- void **setStartupMaxReconnectAttempts** (int value)
- long long **getReconnectDelay** () const
- void **setReconnectDelay** (long long value)
- bool **isBackup** () const
- void **setBackup** (bool value)
- int **getBackupPoolSize** () const
- void **setBackupPoolSize** (int value)
- bool **isTrackMessages** () const
- void **setTrackMessages** (bool value)
- bool **isTrackTransactionProducers** () const
- void **setTrackTransactionProducers** (bool value)
- int **getMaxCacheSize** () const
- void **setMaxCacheSize** (int value)
- void **setConnectionInterruptProcessingComplete** (const **Pointer**< **commands::ConnectionId** > &connectionId)

Protected Member Functions

- void **restoreTransport** (const **Pointer**< **Transport** > &transport) throw (decaf::io::IOException)

  *Given a **Transport** (p. 3996) restore the state of the Client's connection to the Broker using the data accumulated in the State Tracker.*

- void **handleTransportFailure** (const **decaf::lang::Exception** &error) throw (decaf::lang::Exception)

  *Called when this class' **TransportListener** (p. 4013) is notified of a Failure.*

Friends

- class **FailoverTransportListener**

6.357.1 Constructor & Destructor Documentation

6.357.1.1 activemq::transport::failover::FailoverTransport::FailoverTransport ( )

6.357.1.2 virtual activemq::transport::failover::FailoverTransport::~FailoverTransport ( ) [virtual]

6.357.2 Member Function Documentation

6.357.2.1 void activemq::transport::failover::FailoverTransport::add (const std::string & *uri*)

Adds a New URI to the List of URIs this transport can Connect to.

Parameters

uri	A String version of a URI to add to the URIs to failover to.

6.357.2.2 virtual void activemq::transport::failover::FailoverTransport::addURI (const List< URI > & *uris*) [virtual]

Add a URI to the list of URI's that will represent the set of Transports that this **Transport** (p. 3996) is a composite of.

Parameters

uris	The new URIs to add to the set this composite maintains.

Implements **activemq::transport::CompositeTransport** (p. 1259).

6.357.2.3 virtual void activemq::transport::failover::FailoverTransport::close ( ) throw (decaf::io::IOException) [virtual]

Stops the polling thread and closes the streams.

This can be called explicitly, but is also called in the destructor. Once this object has been closed, it cannot be restarted.

Exceptions

IOException	if errors occur.

Implements **decaf::io::Closeable** (p. 1181).

6.357.2.4 long long activemq::transport::failover::FailoverTransport::getBackOffMultiplier ( ) const [inline]

6.357.2.5 int activemq::transport::failover::FailoverTransport::getBackupPoolSize ( ) const [inline]

6.357.2.6 long long activemq::transport::failover::FailoverTransport::getInitialReconnectDelay ( ) const [inline]

6.357.2.7 int activemq::transport::failover::FailoverTransport::getMaxCacheSize ( ) const [inline]

6.357.2.8 int activemq::transport::failover::FailoverTransport::getMaxReconnectAttempts ( ) const [inline]

6.357.2.9 long long activemq::transport::failover::FailoverTransport::getMaxReconnectDelay ( ) const [inline]

6.357.2.10 long long activemq::transport::failover::FailoverTransport::getReconnectDelay ( ) const [inline]

6.357.2.11 virtual std::string activemq::transport::failover::FailoverTransport::getRemoteAddress ( ) const [virtual]

Returns

the remote address for this connection

Implements **activemq::transport::Transport** (p. 3998).

6.357.2.12 int activemq::transport::failover::FailoverTransport::getStartupMaxReconnectAttempts ( ) const [inline]

6.357.2.13 long long activemq::transport::failover::FailoverTransport::getTimeout ( ) const [inline]

6.357.2.14 virtual TransportListener* activemq::transport::failover::FailoverTransport::getTransportListener ( ) const [virtual]

Gets the observer of asynchronous exceptions from this transport.

Returns

The listener of transport events.

Implements **activemq::transport::Transport** (p. 3998).

6.357.2.15 void activemq::transport::failover::FailoverTransport::handleTransportFailure (const decaf::lang::Exception & *error*) throw (decaf::lang::Exception) [protected]

Called when this class' **TransportListener** (p. 4013) is notified of a Failure.

Parameters

error	- The CMS Exception that was thrown.

Exceptions

Exception	if an error occurs.

6.357.2.16 bool activemq::transport::failover::FailoverTransport::isBackup ( ) const [inline]

6.357.2.17 virtual bool activemq::transport::failover::FailoverTransport::isClosed ( ) const [inline, virtual]

Has the **Transport** (p. 3996) been shutdown and no longer usable.

Returns

true if the **Transport** (p. 3996)

Implements **activemq::transport::Transport** (p. 3998).

6.357.2.18 virtual bool activemq::transport::failover::FailoverTransport::isConnected ( ) const [inline, virtual]

Is the **Transport** (p. 3996) Connected to its Broker.

Returns

true if a connection has been made.

Implements **activemq::transport::Transport** (p. 3998).

6.357.2.19 virtual bool activemq::transport::failover::FailoverTransport::isFaultTolerant ( ) const [inline, virtual]

Is this **Transport** (p. 3996) fault tolerant, meaning that it will reconnect to a broker on disconnect.

Returns

true if the **Transport** (p. 3996) is fault tolerant.

Implements **activemq::transport::Transport** (p. 3999).

6.357.2.20 bool activemq::transport::failover::FailoverTransport::isInitialized ( ) const [inline]

Returns true if the **Transport** (p. 3996) has been initialized by a BrokerInfo command.

Returns

true if the **Transport** (p. 3996) has been initialized by a BrokerInfo command.

6.357.2.21 virtual bool activemq::transport::failover::FailoverTransport::isPending ( ) const [virtual]

Returns

true if there is a need for the iterate method to be called by this classes task runner.

Implements **activemq::threads::CompositeTask** (p. 1255).

6.357.2.22 bool activemq::transport::failover::FailoverTransport::isRandomize ( ) const [inline]

6.357.2.23 bool activemq::transport::failover::FailoverTransport::isTrackMessages ( ) const [inline]

6.357.2.24 bool activemq::transport::failover::FailoverTransport::isTrackTransactionProducers ( ) const [inline]

6.357.2.25 bool activemq::transport::failover::FailoverTransport::isUseExponentialBackOff ( ) const [inline]

6.357.2.26 virtual bool activemq::transport::failover::FailoverTransport::iterate ( ) [virtual]

Performs the actual Reconnect operation for the **FailoverTransport** (p. 1930), when a connection is made this method returns false to indicate it doesn't need to run again, otherwise it returns true to indicate its still trying to connect.

Returns

false to indicate a connection, true to indicate it needs to try again.

Implements **activemq::threads::Task** (p. 3847).

6.357.2.27 virtual Transport* activemq::transport::failover::FailoverTransport::narrow (const std::type_info & *typeId*) [inline, virtual]

Narrows down a Chain of Transports to a specific **Transport** (p. 3996) to allow a higher level transport to skip intermediate Transports in certain circumstances.

Parameters

typeId	- The type_info of the Object we are searching for.

Returns

the requested Object. or NULL if its not in this chain.

Implements **activemq::transport::Transport** (p. 3999).

References activemq::transport::Transport::narrow().

6.357.2.28 virtual void activemq::transport::failover::FailoverTransport::oneway (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends a one-way command.

Does not wait for any response from the broker.

Parameters

command	the command to be sent.

Exceptions

IOException	if an exception occurs during writing of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Implements **activemq::transport::Transport** (p. 3999).

6.357.2.29 void activemq::transport::failover::FailoverTransport::reconnect ( )

Indicates that the **Transport** (p. 3996) needs to reconnect to another URI in its list.

6.357.2.30 virtual void activemq::transport::failover::FailoverTransport::reconnect (const decaf::net::URI & *uri*) throw (decaf::io::IOException) [virtual]

reconnect to another location

Parameters

uri	

Exceptions

IOException	on failure of if not supported

Implements **activemq::transport::Transport** (p. 4000).

6.357.2.31 virtual void activemq::transport::failover::FailoverTransport::removeURI (const List< URI > & *uris*) [virtual]

Remove a URI from the set of URI's that represents the set of Transports that this **Transport** (p. 3996) is composed of, removing a URI for which the composite has created a connected **Transport** (p. 3996) should result in that **Transport** (p. 3996) being disposed of.

Parameters

uris	The new URIs to remove to the set this composite maintains.

Implements **activemq::transport::CompositeTransport** (p. 1260).

6.357.2.32 virtual Pointer<Response> activemq::transport::failover::FailoverTransport::request (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends the given command to the broker and then waits for the response.

Parameters

command	the command to be sent.

Returns

the response from the broker.

Exceptions

IOException	if an exception occurs during the read of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Implements **activemq::transport::Transport** (p. 4000).

6.357.2.33 virtual Pointer<Response> activemq::transport::failover::FailoverTransport::request (const Pointer< Command > & *command*, unsigned int *timeout*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends the given command to the broker and then waits for the response.

Parameters

command	- The command to be sent.
timeout	- The time to wait for this response.

Returns

the response from the broker.

Exceptions

IOException	if an exception occurs during the read of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Implements **activemq::transport::Transport** (p. 4001).

6.357.2.34 void activemq::transport::failover::FailoverTransport::restoreTransport (const Pointer< Transport > & *transport*) throw (decaf::io::IOException) [protected]

Given a **Transport** (p. 3996) restore the state of the Client's connection to the Broker using the data accumulated in the State Tracker.

Parameters

transport	The new **Transport** (p. 3996) connected to the Broker.

Exceptions

IOException	if an errors occurs while restoring the old state.

6.357.2.35 void activemq::transport::failover::FailoverTransport::setBackOffMultiplier (long long *value*) [inline]

6.357.2.36 void activemq::transport::failover::FailoverTransport::setBackup (bool *value*) [inline]

6.357.2.37 void activemq::transport::failover::FailoverTransport::setBackupPoolSize (int *value*) [inline]

6.357.2.38 void activemq::transport::failover::FailoverTransport::setConnectionInterruptProcessingComplete (const Pointer< commands::ConnectionId > & *connectionId*)

6.357.2.39 void activemq::transport::failover::FailoverTransport::setInitialized (bool *value*) [inline]

Sets the initialized state of this **Transport** (p. 3996) to true.

Parameters

value	- true if this **Transport** (p. 3996) has been initialized.

6.357.2.40 void activemq::transport::failover::FailoverTransport::setInitialReconnectDelay (long long *value*) [inline]

6.357.2.41 void activemq::transport::failover::FailoverTransport::setMaxCacheSize (int *value*) [inline]

6.357.2.42 void activemq::transport::failover::FailoverTransport::setMaxReconnectAttempts (int *value*) [inline]

6.357.2.43 void activemq::transport::failover::FailoverTransport::setMaxReconnectDelay (long long *value*) [inline]

6.357.2.44 void activemq::transport::failover::FailoverTransport::setRandomize (bool *value*) [inline]

6.357.2.45 void activemq::transport::failover::FailoverTransport::setReconnectDelay (long long *value*) [inline]

6.357.2.46 void activemq::transport::failover::FailoverTransport::setStartupMaxReconnectAttempts (int *value*) [inline]

6.357.2.47 void activemq::transport::failover::FailoverTransport::setTimeout (long long *value*) [inline]

6.357.2.48 void activemq::transport::failover::FailoverTransport::setTrackMessages (bool *value*) [inline]

6.357.2.49 void activemq::transport::failover::FailoverTransport::setTrackTransactionProducers (bool *value*) [inline]

6.357.2.50 virtual void activemq::transport::failover::FailoverTransport::setTransportListener (**TransportListener** * *listener*) [virtual]

Sets the observer of asynchronous events from this transport.

Parameters

listener	the listener of transport events.

Implements **activemq::transport::Transport** (p. 4001).

6.357.2.51 void activemq::transport::failover::FailoverTransport::setUseExponentialBackOff (bool *value*) [inline]

6.357.2.52 virtual void activemq::transport::failover::FailoverTransport::setWireFormat (const **Pointer< wireformat::WireFormat >** &wireFormat *AMQCPP_UNUSED*) [inline, virtual]

Sets the WireFormat instance to use.

Parameters

wireFormat	The WireFormat the object used to encode / decode commands.

6.357.2.53 virtual void activemq::transport::failover::FailoverTransport::start ( ) throw (decaf::io::IOException) [virtual]

Starts this transport object and creates the thread for polling on the input stream for commands.

If this object has been closed, throws an exception. Before calling start, the caller must set the IO streams and the reader and writer objects.

Exceptions

IOException	if an error occurs or if this transport has already been closed.

Implements **activemq::transport::Transport** (p. 4002).

6.357.2.54 virtual void activemq::transport::failover::FailoverTransport::stop ( ) throw (decaf::io::IOException) [virtual]

Stop the **Transport** (p. 3996).

Exceptions

IOException	if an error occurs while stopping the **Transport** (p. 3996).

Implements **activemq::transport::Transport** (p. 4002).

6.357.3 Friends And Related Function Documentation

6.357.3.1 friend class FailoverTransportListener [friend]

The documentation for this class was generated from the following file:

- src/main/activemq/transport/failover/**FailoverTransport.h**

6.358 activemq::transport::failover::FailoverTransportFactory Class Reference

Creates an instance of a **FailoverTransport** (p. 1930).

```
#include <src/main/activemq/transport/failover/FailoverTransportFactory.h>
```

Inheritance diagram for activemq::transport::failover::FailoverTransportFactory:

Public Member Functions

- virtual ~**FailoverTransportFactory** ()
- virtual **Pointer**< **Transport** > **create** (const **decaf::net::URI** &location) throw (exceptions::ActiveMQException)

  *Creates a fully configured **Transport** (p. 3996) instance which could be a chain of filters and transports.*

- virtual **Pointer**< **Transport** > **createComposite** (const **decaf::net::URI** &location) throw (exceptions::ActiveMQException)

  *Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.*

Protected Member Functions

- virtual **Pointer**< **Transport** > **doCreateComposite** (const **decaf::net::URI** &location, const **decaf::util::Properties** &properties) throw (exceptions::ActiveMQException)

  *Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.*

6.358.1 Detailed Description

Creates an instance of a **FailoverTransport** (p. 1930).

Since

3.0

6.358.2 Constructor & Destructor Documentation

6.358.2.1 virtual activemq::transport::failover::FailoverTransportFactory::~FailoverTransportFactory ( ) [inline, virtual]

6.358.3 Member Function Documentation

6.358.3.1 virtual Pointer<Transport> activemq::transport::failover::FailoverTransportFactory::create (const decaf::net::URI & *location*) throw (exceptions::ActiveMQException) [virtual]

Creates a fully configured **Transport** (p. 3996) instance which could be a chain of filters and transports.

Parameters

location	- URI location to connect to plus any properties to assign.

Exceptions

ActiveMQException	if an error occurs

Implements **activemq::transport::TransportFactory** (p. 4003).

6.358.3.2 virtual Pointer<Transport> activemq::transport::failover::FailoverTransportFactory::createComposite (const decaf::net::URI & *location*) throw (exceptions::ActiveMQException) [virtual]

Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.

Parameters

location	- URI location to connect to plus any properties to assign.

Exceptions

ActiveMQException	if an error occurs

Implements **activemq::transport::TransportFactory** (p. 4004).

6.358.3.3 virtual Pointer<Transport> activemq::transport::failover::FailoverTransportFactory::doCreateComposite (const decaf::net::URI & *location,* const decaf::util::Properties & *properties*) throw (exceptions::ActiveMQException) [protected, virtual]

Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.

Parameters

location	- URI location to connect to.
properties	- Properties to apply to the transport.

Returns

Pointer to a new **FailoverTransport** (p. 1930) instance.

Exceptions

ActiveMQexception	if an error occurs

The documentation for this class was generated from the following file:

- src/main/activemq/transport/failover/**FailoverTransportFactory.h**

6.359 activemq::transport::failover::FailoverTransportListener Class Reference

Utility class used by the **Transport** (p. 3996) to perform the work of responding to events from the active **Transport** (p. 3996).

`#include <src/main/activemq/transport/failover/FailoverTransportListener.h>`

Inheritance diagram for activemq::transport::failover::FailoverTransportListener:

Public Member Functions

- **FailoverTransportListener** (**FailoverTransport** *parent)
- virtual ~**FailoverTransportListener** ()
- virtual void **onCommand** (const **Pointer**< **Command** > &command)

  Event handler for the receipt of a command.

- virtual void **onException** (const **decaf::lang::Exception** &ex)

  Event handler for an exception from a command transport.

- virtual void **transportInterrupted** ()

The transport has suffered an interruption from which it hopes to recover.

- virtual void **transportResumed** ()

  The transport has resumed after an interruption.

6.359.1 Detailed Description

Utility class used by the **Transport** (p. 3996) to perform the work of responding to events from the active **Transport** (p. 3996).

Since

3.0

6.359.2 Constructor & Destructor Documentation

6.359.2.1 activemq::transport::failover::FailoverTransportListener::FailoverTransportListener (FailoverTransport * *parent*)

6.359.2.2 virtual activemq::transport::failover::FailoverTransportListener::~FailoverTransportListener ( ) [virtual]

6.359.3 Member Function Documentation

6.359.3.1 virtual void activemq::transport::failover::FailoverTransportListener::onCommand (const Pointer< Command > & *command*) [virtual]

Event handler for the receipt of a command.

The transport passes off all received commands to its listeners, the listener then owns the Object. If there is no registered listener the **Transport** (p. 3996) deletes the command upon receipt.

Parameters

command	the received command object.

Implements **activemq::transport::TransportListener** (p. 4014).

6.359.3.2 virtual void activemq::transport::failover::FailoverTransportListener::onException (const decaf::lang::Exception & *ex*) [virtual]

Event handler for an exception from a command transport.

Parameters

ex	The exception.

Implements **activemq::transport::TransportListener** (p. 4015).

6.359.3.3 virtual void activemq::transport::failover::FailoverTransportListener::transportInterrupted ( ) [virtual]

The transport has suffered an interruption from which it hopes to recover.

Implements **activemq::transport::TransportListener** (p. 4015).

6.359.3.4 virtual void activemq::transport::failover::FailoverTransportListener::transportResumed ( ) [virtual]

The transport has resumed after an interruption.

Implements **activemq::transport::TransportListener** (p. 4015).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/failover/**FailoverTransportListener.h**

6.360 decaf::io::FileDescriptor Class Reference

This class servers as an opaque wrapper around an underlying OS level resource that can be used as a source / sink for byte level data such as sockets and files.

`#include <src/main/decaf/io/FileDescriptor.h>`

Inheritance diagram for decaf::io::FileDescriptor:

Public Member Functions

- **FileDescriptor** ()
- virtual ~**FileDescriptor** ()
- void **sync** ()

  *Force any/all buffered data for this **FileDescriptor*** (p. *1947) to be flushed to the underlying device.*

- bool **valid** ()

  Indicates whether the File Descriptor is valid.

Static Public Attributes

- static **FileDescriptor in**

  A handle to the standard input stream.

- static **FileDescriptor out**

  A handle to the standard output stream.

- static **FileDescriptor err**

  A handle to the standard error stream.

Protected Member Functions

- **FileDescriptor** (long value, bool **readonly**)

Protected Attributes

- long **descriptor**
- bool **readonly**

6.360.1 Detailed Description

This class servers as an opaque wrapper around an underlying OS level resource that can be used as a source / sink for byte level data such as sockets and files.

Since

1.0

6.360.2 Constructor & Destructor Documentation

6.360.2.1 decaf::io::FileDescriptor::FileDescriptor (long *value,* bool *readonly*) [protected]

6.360.2.2 decaf::io::FileDescriptor::FileDescriptor ( )

6.360.2.3 virtual decaf::io::FileDescriptor::~FileDescriptor ( ) [virtual]

6.360.3 Member Function Documentation

6.360.3.1 void decaf::io::FileDescriptor::sync ( )

Force any/all buffered data for this **FileDescriptor** (p. 1947) to be flushed to the underlying device.

This method blocks until all data is flushed to the underlying device and is used to place the device into a known state. In the case of data that is buffered at a higher level such as a **BufferedOutputStream** (p. 949) the stream must first be flushed before this method can force the data to be sent to the output device.

6.360.3.2 bool decaf::io::FileDescriptor::valid ( )

Indicates whether the File Descriptor is valid.

Returns

true for a valid descriptor such as open socket or file, false otherwise.

6.360.4 Field Documentation

6.360.4.1 long decaf::io::FileDescriptor::descriptor [protected]

6.360.4.2 FileDescriptor decaf::io::FileDescriptor::err [static]

A handle to the standard error stream.

Usually, this file descriptor is not used directly, but rather via the output stream known as System::err.

6.360.4.3 FileDescriptor decaf::io::FileDescriptor::in [static]

A handle to the standard input stream.

Usually, this file descriptor is not used directly, but rather via the input stream known as System::in.

6.360.4.4 FileDescriptor decaf::io::FileDescriptor::out [static]

A handle to the standard output stream.

Usually, this file descriptor is not used directly, but rather via the output stream known as System::out.

6.360.4.5 bool decaf::io::FileDescriptor::readonly [protected]

The documentation for this class was generated from the following file:

- src/main/decaf/io/**FileDescriptor.h**

6.361 decaf::util::logging::Filter Class Reference

A **Filter** (p. 1949) can be used to provide fine grain control over what is logged, beyond the control provided by log levels.

```
#include <src/main/decaf/util/logging/Filter.h>
```

Public Member Functions

- virtual ~**Filter** ()
- virtual bool **isLoggable** (const **LogRecord** &record) const =0

  Check if a given log record should be published.

6.361.1 Detailed Description

A **Filter** (p. 1949) can be used to provide fine grain control over what is logged, beyond the control provided by log levels. Each **Logger** (p. 2461) and each **Handler** (p. 2042) can have a filter associated with it. The **Logger** (p. 2461) or **Handler** (p. 2042) will call the isLoggable method to check if a given **LogRecord** (p. 2487) should be published. If isLoggable returns false, the **LogRecord** (p. 2487) will be discarded.

6.361.2 Constructor & Destructor Documentation

6.361.2.1 virtual decaf::util::logging::Filter::~Filter ( ) [inline, virtual]

6.361.3 Member Function Documentation

6.361.3.1 virtual bool decaf::util::logging::Filter::isLoggable (const LogRecord & *record*) const [pure virtual]

Check if a given log record should be published.

Parameters

record	the **LogRecord** (p. 2487) to check.

Returns

true if the record is loggable.

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**Filter.h**

6.362 decaf::io::FilterInputStream Class Reference

A **FilterInputStream** (p. 1950) contains some other input stream, which it uses as its basic source of data, possibly transforming the data along the way or providing additional functionality.

```
#include <src/main/decaf/io/FilterInputStream.h>
```

Inheritance diagram for decaf::io::FilterInputStream:

Public Member Functions

- **FilterInputStream** (**InputStream** ∗**inputStream**, bool **own**=false)

  *Constructor to create a wrapped **InputStream** (p. 2105).*

- virtual ∼**FilterInputStream** ()
- virtual int **available** () const throw (decaf::io::IOException)

  Indicates the number of bytes available.
  The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.
  The default implementation of this method returns zero.

  Returns

  the number of bytes available on this input stream.

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

- virtual void **close** () throw (decaf::io::IOException)

  *Closes the **InputStream** (p. 2105) freeing any resources that might have been aquired during the lifetime of this stream.*
  The default implementation of this method does nothing.

- virtual long long **skip** (long long num) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationE
)

  Skips over and discards n bytes of data from this input stream.
  The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.
  *The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached.*
  Subclasses are encouraged to provide a more efficient implementation of this method.

  Parameters

num	*The number of bytes to skip.*

  Returns

  total bytes skipped

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*
UnsupportedOperationException	*if the concrete stream class does not support skipping bytes.*

- virtual void **mark** (int readLimit)

  Marks the current position in the stream A subsequent call to the reset method repositions this stream at the last marked position so that subsequent reads re-read the same bytes.
  If a stream instance reports that marks are supported then the stream will ensure that the same bytes can be read again after the reset method is called so long the readLimit is not reached.
  Calling mark on a closed stream instance should have no effect.
  The default implementation of this method does nothing.

  Parameters

readLimit	*The max bytes read before marked position is invalid.*

- virtual void **reset** () throw (decaf::io::IOException)

  Repositions this stream to the position at the time the mark method was last called on this input stream.
  If the method markSupported returns true, then: ∗ If the method mark has not been called since the stream was created, or the number of bytes read from the stream since mark was last called is larger than the argument to mark at that last call, then an ***IOException*** *(p. 2210) might be thrown. ∗ If such an* ***IOException*** *(p. 2210) is not thrown, then the stream is reset to a state such that all the bytes read since the most recent call to mark (or since the start of the file, if mark has not been called) will be resupplied to subsequent callers of the read method, followed by any bytes that otherwise would have been the next input data as of the time of the call to reset.*
  If the method markSupported returns false, then: ∗ The call to reset may throw an ***IOException*** *(p. 2210). ∗ If an* ***IOException*** *(p. 2210) is not thrown, then the stream is reset to a fixed state that depends on the particular type of the input stream and how it was created. The bytes that will be supplied to subsequent callers of the read method depend on the particular type of the input stream.*
  The default implementation of this method throws an ***IOException*** *(p. 2210).*

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

- virtual bool **markSupported** () const

  Determines if this input stream supports the mark and reset methods.
  Whether or not mark and reset are supported is an invariant property of a particular input stream instance.
  The default implementation of this method returns false.

  Returns

  true if this stream instance supports marks

Protected Member Functions

- virtual int **doReadByte** () throw (decaf::io::IOException)
- virtual int **doReadArray** (unsigned char ∗buffer, int size) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

- virtual int **doReadArrayBounded** (unsigned char *buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)
- virtual bool **isClosed** () const

Protected Attributes

- **InputStream * inputStream**
- bool **own**
- volatile bool **closed**

6.362.1 Detailed Description

A **FilterInputStream** (p. 1950) contains some other input stream, which it uses as its basic source of data, possibly transforming the data along the way or providing additional functionality. The class **FilterInputStream** (p. 1950) itself simply overrides all methods of **InputStream** (p. 2105) with versions that pass all requests to the contained input stream. Subclasses of **FilterInputStream** (p. 1950) may further override some of these methods and may also provide additional methods and fields.

6.362.2 Constructor & Destructor Documentation

6.362.2.1 decaf::io::FilterInputStream::FilterInputStream (InputStream * *inputStream,* bool *own* = `false`)

Constructor to create a wrapped **InputStream** (p. 2105).

Parameters

inputStream	The stream to wrap and filter.
own	Indicates if we own the stream object, defaults to false.

6.362.2.2 virtual decaf::io::FilterInputStream::~FilterInputStream ( ) `[virtual]`

6.362.3 Member Function Documentation

6.362.3.1 virtual int decaf::io::FilterInputStream::available ( ) const throw (decaf::io::IOException) `[virtual]`

Indicates the number of bytes available.

The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.

The default implementation of this method returns zero.

Returns

the number of bytes available on this input stream.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Reimplemented from **decaf::io::InputStream** (p. 2107).

Reimplemented in **decaf::io::BufferedInputStream** (p. 946), **decaf::io::PushbackInputStream** (p. 3234), and **decaf::util::zip::InflaterInputStream** (p. 2101).

6.362.3.2 virtual void decaf::io::FilterInputStream::close ( ) throw (decaf::io::IOException) [virtual]

Closes the **InputStream** (p. 2105) freeing any resources that might have been aquired during the lifetime of this stream.

The default implementation of this method does nothing.

Reimplemented from **decaf::io::InputStream** (p. 2108).

Reimplemented in **decaf::io::BufferedInputStream** (p. 946), and **decaf::util::zip::InflaterInputStream** (p. 2102).

6.362.3.3 virtual int decaf::io::FilterInputStream::doReadArray (unsigned char * *buffer,* int *size*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException) [protected, virtual]

Reimplemented from **decaf::io::InputStream** (p. 2108).

6.362.3.4 virtual int decaf::io::FilterInputStream::doReadArrayBounded (unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException) [protected, virtual]

Reimplemented from **decaf::io::InputStream** (p. 2108).

Reimplemented in **activemq::io::LoggingInputStream** (p. 2475), **decaf::io::BufferedInputStream** (p. 946), **decaf::io::PushbackInputStream** (p. 3235), **decaf::util::zip::CheckedInputStream** (p. 1171), and **decaf::util::zip::InflaterInputStream** (p. 2102).

6.362.3.5 virtual int decaf::io::FilterInputStream::doReadByte ( ) throw (decaf::io::IOException) [protected, virtual]

Implements **decaf::io::InputStream** (p. 2109).

Reimplemented in **activemq::io::LoggingInputStream** (p. 2475), **decaf::io::BufferedInputStream** (p. 946), **decaf::io::PushbackInputStream** (p. 3235), **decaf::util::zip::CheckedInputStream** (p. 1171), and **decaf::util::zip::InflaterInputStream** (p. 2102).

6.362.3.6 virtual bool decaf::io::FilterInputStream::isClosed ( ) const [protected, virtual]

Returns

true if this stream has been closed.

6.362.3.7 virtual void decaf::io::FilterInputStream::mark (int *readLimit*) [virtual]

Marks the current position in the stream A subsequent call to the reset method repositions this stream at the last marked position so that subsequent reads re-read the same bytes.

If a stream instance reports that marks are supported then the stream will ensure that the same bytes can be read again after the reset method is called so long the readLimit is not reached.

Calling mark on a closed stream instance should have no effect.

The default implementation of this method does nothing.

Parameters

readLimit	The max bytes read before marked position is invalid.

Reimplemented from **decaf::io::InputStream** (p. 2109).

Reimplemented in **decaf::io::BufferedInputStream** (p. 947), **decaf::io::PushbackInputStream** (p. 3235), and **decaf::util::zip::InflaterInputStream** (p. 2102).

6.362.3.8 virtual bool decaf::io::FilterInputStream::markSupported ( ) const [virtual]

Determines if this input stream supports the mark and reset methods.

Whether or not mark and reset are supported is an invariant property of a particular input stream instance.

The default implementation of this method returns false.

Returns

true if this stream instance supports marks

Reimplemented from **decaf::io::InputStream** (p. 2109).

Reimplemented in **decaf::io::BufferedInputStream** (p. 947), **decaf::io::PushbackInputStream** (p. 3235), and **decaf::util::zip::InflaterInputStream** (p. 2103).

6.362.3.9 virtual void decaf::io::FilterInputStream::reset ( ) throw (decaf::io::IOException) [virtual]

Repositions this stream to the position at the time the mark method was last called on this input stream.

If the method markSupported returns true, then: ∗ If the method mark has not been called since the stream was created, or the number of bytes read from the stream since mark was last called is larger than the argument to mark at that last call, then an **IOException** (p. 2210) might be thrown. ∗ If such an **IOException** (p. 2210) is not thrown, then the stream is reset to a state such that all the bytes read since the most recent call to mark (or since the start of the file, if mark has not been called) will be resupplied to subsequent callers of the read method, followed by any bytes that otherwise would have been the next input data as of the time of the call to reset.

If the method markSupported returns false, then: ∗ The call to reset may throw an **IOException** (p. 2210). ∗ If an **IOException** (p. 2210) is not thrown, then the stream is reset to a fixed state that depends on the particular type of the input stream and how it was created. The bytes that will be supplied to subsequent callers of the read method depend on the particular type of the input stream.

The default implementation of this method throws an **IOException** (p. 2210).

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Reimplemented from **decaf::io::InputStream** (p. 2113).

Reimplemented in **decaf::io::BufferedInputStream** (p. 947), **decaf::io::PushbackInputStream** (p. 3236), and **decaf::util::zip::InflaterInputStream** (p. 2103).

6.362.3.10 virtual long long decaf::io::FilterInputStream::skip (long long *num*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Skips over and discards n bytes of data from this input stream.

The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.

The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached. Subclasses are encouraged to provide a more efficient implementation of this method.

Parameters

num	The number of bytes to skip.

Returns

total bytes skipped

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.
UnsupportedOperationException	if the concrete stream class does not support skipping bytes.

Reimplemented from **decaf::io::InputStream** (p. 2113).

Reimplemented in **decaf::io::BufferedInputStream** (p. 948), **decaf::io::PushbackInputStream** (p. 3236), **decaf::util::zip::CheckedInputStream** (p. 1171), and **decaf::util::zip::InflaterInputStream** (p. 2104).

6.362.4 Field Documentation

6.362.4.1 volatile bool decaf::io::FilterInputStream::closed [protected]

6.362.4.2 InputStream* decaf::io::FilterInputStream::inputStream [protected]

6.362.4.3 bool decaf::io::FilterInputStream::own [protected]

The documentation for this class was generated from the following file:

- src/main/decaf/io/**FilterInputStream.h**

6.363 decaf::io::FilterOutputStream Class Reference

This class is the superclass of all classes that filter output streams.

`#include <src/main/decaf/io/FilterOutputStream.h>`

Inheritance diagram for decaf::io::FilterOutputStream:

Public Member Functions

- **FilterOutputStream** (**OutputStream** ***outputStream**, bool **own**=false)

  Constructor, creates a wrapped output stream.

- virtual ~**FilterOutputStream** ()
- virtual void **flush** () throw (decaf::io::IOException)

  Flushes this stream by writing any buffered output to the underlying stream.

Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

The default implementation of this method does nothing.

- virtual void **close** () throw (decaf::io::IOException)

  Closes this object and deallocates the appropriate resources.
  The object is generally no longer usable after calling close.
  Exceptions

IOException (p. 2210)	*if an error occurs while closing.*

The default implementation of this method does nothing.

- virtual std::string **toString** () const

  Output a String representation of this object.
  The default version of this method just prints the Class Name.
  Returns

  a string representation of the object.

Protected Member Functions

- virtual void **doWriteByte** (unsigned char value) throw (decaf::io::IOException)
- virtual void **doWriteArray** (const unsigned char ∗buffer, int size) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOf)
- virtual void **doWriteArrayBounded** (const unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)
- virtual bool **isClosed** () const

Protected Attributes

- **OutputStream** ∗ **outputStream**
- bool **own**
- volatile bool **closed**

6.363.1 Detailed Description

This class is the superclass of all classes that filter output streams. These streams sit on top of an already existing output stream (the underlying output stream) which it uses as its basic sink of data, but possibly transforming the data along the way or providing additional functionality.

The class **FilterOutputStream** (p. 1957) itself simply overrides all methods of **OutputStream** (p. 2991) with versions that pass all requests to the underlying output stream.

Subclasses of **FilterOutputStream** (p. 1957) may further override some of these methods as well as provide additional methods and fields.

Due to the lack of garbage collection in C++ a design decision was made to add a boolean parameter to the constructor indicating if the wrapped **InputStream** (p. 2105) is owned by this object. That way creation of the underlying stream can occur in a Java like way. Ex:

DataOutputStream (p. 1628) os = new **DataOutputStream** (p. 1628)(new **OutputStream()** (p. 2993), true)

6.363.2 Constructor & Destructor Documentation

6.363.2.1 decaf::io::FilterOutputStream::FilterOutputStream (OutputStream * *outputStream*, bool *own* = false)

Constructor, creates a wrapped output stream.

Parameters

outputStream	the **OutputStream** (p. 2991) to wrap
own	If true, this object will control the lifetime of the output stream that it encapsulates.

6.363.2.2 virtual decaf::io::FilterOutputStream::~FilterOutputStream ( ) [virtual]

6.363.3 Member Function Documentation

6.363.3.1 virtual void decaf::io::FilterOutputStream::close ( ) throw (decaf::io::IOException) [virtual]

Closes this object and deallocates the appropriate resources.

The object is generally no longer usable after calling close.

Exceptions

IOException *(p. 2210)*	if an error occurs while closing.

The default implementation of this method does nothing.

The close method of **FilterOutputStream** (p. 1957) calls its flush method, and then calls the close method of its underlying output stream.

Reimplemented from **decaf::io::OutputStream** (p. 2993).

Reimplemented in **decaf::util::zip::DeflaterOutputStream** (p. 1772).

6.363.3.2 virtual void decaf::io::FilterOutputStream::doWriteArray (const unsigned char * *buffer,* int *size*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) [protected, virtual]

Reimplemented from **decaf::io::OutputStream** (p. 2994).

Reimplemented in **decaf::io::BufferedOutputStream** (p. 950).

6.363.3.3 virtual void decaf::io::FilterOutputStream::doWriteArrayBounded (const unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) [protected, virtual]

Reimplemented from **decaf::io::OutputStream** (p. 2994).

Reimplemented in **activemq::io::LoggingOutputStream** (p. 2477), **decaf::io::BufferedOutputStream** (p. 950), **decaf::io::DataOutputStream** (p. 1630), **decaf::util::zip::CheckedOutputStream** (p. 1173), and **decaf::util::zip::DeflaterOutputStream** (p. 1773).

6.363.3.4 virtual void decaf::io::FilterOutputStream::doWriteByte (unsigned char *value*) throw (**decaf::io::IOException**) [protected, virtual]

Implements **decaf::io::OutputStream** (p. 2994).

Reimplemented in **activemq::io::LoggingOutputStream** (p. 2477), **decaf::io::BufferedOutputStream** (p. 950), **decaf::io::DataOutputStream** (p. 1630), **decaf::util::zip::CheckedOutputStream** (p. 1173), and **decaf::util::zip::DeflaterOutputStream** (p. 1773).

6.363.3.5 virtual void decaf::io::FilterOutputStream::flush ( ) throw (**decaf::io::IOException**) [virtual]

Flushes this stream by writing any buffered output to the underlying stream.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

The default implementation of this method does nothing.

The flush method of **FilterOutputStream** (p. 1957) calls the flush method of its underlying output stream.

Reimplemented from **decaf::io::OutputStream** (p. 2994).

Reimplemented in **decaf::io::BufferedOutputStream** (p. 951).

6.363.3.6 virtual bool decaf::io::FilterOutputStream::isClosed ( ) const [protected, virtual]

Returns

true if this stream has been closed.

6.363.3.7 virtual std::string decaf::io::FilterOutputStream::toString ( ) const [virtual]

Output a String representation of this object.

The default version of this method just prints the Class Name.

Returns

a string representation of the object.

The toString method of **FilterOutputStream** (p. 1957) calls the toString method of its underlying output stream.

Reimplemented from **decaf::io::OutputStream** (p. 2995).

6.363.4 Field Documentation

6.363.4.1 volatile bool decaf::io::FilterOutputStream::closed [protected]

6.363.4.2 OutputStream* decaf::io::FilterOutputStream::outputStream [protected]

6.363.4.3 bool decaf::io::FilterOutputStream::own [protected]

The documentation for this class was generated from the following file:

- src/main/decaf/io/**FilterOutputStream.h**

6.364 decaf::lang::Float Class Reference

```
#include <src/main/decaf/lang/Float.h>
```

Inheritance diagram for decaf::lang::Float:

Public Member Functions

- **Float** (float value)
- **Float** (double value)

- **Float** (const std::string &value) throw (exceptions::NumberFormatException)
- virtual ~**Float** ()
- virtual int **compareTo** (const **Float** &f) const

  *Compares this **Float** (p. 1961) instance with another.*

- bool **equals** (const **Float** &f) const
- virtual bool **operator==** (const **Float** &f) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const **Float** &f) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- virtual int **compareTo** (const float &f) const

  *Compares this **Float** (p. 1961) instance with another.*

- bool **equals** (const float &f) const
- virtual bool **operator==** (const float &f) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const float &f) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- std::string **toString** () const
- virtual double **doubleValue** () const

  Answers the double value which the receiver represents.

- virtual float **floatValue** () const

  Answers the float value which the receiver represents.

- virtual unsigned char **byteValue** () const

  Answers the byte value which the receiver represents.

- virtual short **shortValue** () const

  Answers the short value which the receiver represents.

- virtual int **intValue** () const

  Answers the int value which the receiver represents.

- virtual long long **longValue** () const

  Answers the long value which the receiver represents.

- bool **isInfinite** () const
- bool **isNaN** () const

Static Public Member Functions

- static int **compare** (float f1, float f2)

  Compares the two specified double values.

- static int **floatToIntBits** (float value)

  Returns a representation of the specified floating-point value according to the IEEE 754 floating-point "single format" bit layout.

- static int **floatToRawIntBits** (float value)

  Returns a representation of the specified floating-point value according to the IEEE 754 floating-point "single format" bit layout, preserving Not-a-Number (NaN) values.

- static float **intBitsToFloat** (int bits)

  Returns the float value corresponding to a given bit representation.

- static bool **isInfinite** (float value)
- static bool **isNaN** (float value)
- static float **parseFloat** (const std::string &value) throw (exceptions::NumberFormatException)

  *Returns a new float initialized to the value represented by the specified string, as performed by the valueOf method of class **Float** (p. 1961).*

- static std::string **toHexString** (float value)

  Returns a hexadecimal string representation of the float argument.

- static std::string **toString** (float value)

  Returns a string representation of the float argument.

- static **Float valueOf** (float value)

  *Returns a **Float** (p. 1961) instance representing the specified float value.*

- static **Float valueOf** (const std::string &value) throw (exceptions::NumberFormatException)

  *Returns a **Float** (p. 1961) instance that wraps a primtive float which is parsed from the string value passed.*

Static Public Attributes

- static const int **SIZE** = 32

  The size in bits of the primitive int type.

- static const float **MAX_VALUE**

  The maximum value that the primitive type can hold.

- static const float **MIN_VALUE**

The minimum value that the primitive type can hold.

- static const float **NaN**

  *Constant for the Not a **Number*** (p. *2918*) *Value.*

- static const float **POSITIVE_INFINITY**

  Constant for Positive Infinity.

- static const float **NEGATIVE_INFINITY**

  Constant for Negative Infinity.

6.364.1 Constructor & Destructor Documentation

6.364.1.1 decaf::lang::Float::Float (float *value*)

Parameters

value	- the primitive type to wrap

6.364.1.2 decaf::lang::Float::Float (double *value*)

Parameters

value	- the primitive type to wrap

6.364.1.3 decaf::lang::Float::Float (const std::string & *value*) throw (exceptions::NumberFormatException)

Parameters

value	- the string to convert to a primitive type to wrap

6.364.1.4 virtual decaf::lang::Float::∼Float ( ) [inline, virtual]

6.364.2 Member Function Documentation

6.364.2.1 virtual unsigned char decaf::lang::Float::byteValue ( ) const [inline, virtual]

Answers the byte value which the receiver represents.

Returns

byte the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2919).

6.364.2.2 static int decaf::lang::Float::compare (float *f1*, float *f2*) [static]

Compares the two specified double values.

The sign of the integer value returned is the same as that of the integer that would be returned by the call: Float(f1).compareTo(Float(f2))

Parameters

f1	- the first double to compare
f2	- the second double to compare

Returns

the value 0 if d1 is numerically equal to f2; a value less than 0 if f1 is numerically less than f2; and a value greater than 0 if f1 is numerically greater than f2.

6.364.2.3 virtual int decaf::lang::Float::compareTo (const float & *f*) const [virtual]

Compares this **Float** (p. 1961) instance with another.

Parameters

f	- the **Float** (p. 1961) instance to be compared

Returns

zero if this object represents the same integer value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object repesents a value less than the passed in value.

Implements **decaf::lang::Comparable**< **float** > (p. 1249).

6.364.2.4 virtual int decaf::lang::Float::compareTo (const Float & *f*) const [virtual]

Compares this **Float** (p. 1961) instance with another.

Parameters

f	- the **Float** (p. 1961) instance to be compared

Returns

zero if this object represents the same integer value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object represents a value less than the passed in value.

Implements **decaf::lang::Comparable**< **Float** > (p. 1249).

6.364.2.5 virtual double decaf::lang::Float::doubleValue ( ) const [inline, virtual]

Answers the double value which the receiver represents.

Returns

double the value of the receiver.

Implements **decaf::lang::Number** (p. 2919).

6.364.2.6 bool decaf::lang::Float::equals (const Float & *f*) const [inline, virtual]

Parameters

f	- the **Float** (p. 1961) object to compare against.

Returns

true if the two **Float** (p. 1961) Objects have the same value.

Implements **decaf::lang::Comparable**< **Float** > (p. 1250).

6.364.2.7 bool decaf::lang::Float::equals (const float & *f*) const [inline, virtual]

Parameters

f	- the **Float** (p. 1961) object to compare against.

Returns

true if the two **Float** (p. 1961) Objects have the same value.

Implements **decaf::lang::Comparable**< **float** > (p. 1250).

6.364.2.8 static int decaf::lang::Float::floatToIntBits (float *value*) [static]

Returns a representation of the specified floating-point value according to the IEEE 754 floating-point "single format" bit layout.

Bit 31 (the bit that is selected by the mask 0x80000000) represents the sign of the floating-point number. Bits 30-23 (the bits that are selected by the mask 0x7f800000) represent the exponent. Bits 22-0 (the bits that are selected by the mask 0x007fffff) represent the significand (sometimes called the mantissa) of the floating-point number.

If the argument is positive infinity, the result is 0x7f800000. If the argument is negative infinity, the result is 0xff800000. If the argument is NaN, the result is 0x7fc00000.

In all cases, the result is an integer that, when given to the **intBitsToFloat(int)** (p. 1967) method, will produce a floating-point value the same as the argument to floatToIntBits (except all NaN values are collapsed to a single "canonical" NaN value).

Parameters

value	- the float to convert to int bits

Returns

the int that holds the float's value

6.364.2.9 static int decaf::lang::Float::floatToRawIntBits (float *value*) [static]

Returns a representation of the specified floating-point value according to the IEEE 754 floating-point "single format" bit layout, preserving Not-a-Number (NaN) values.

Bit 31 (the bit that is selected by the mask 0x80000000) represents the sign of the floating-point number. Bits 30-23 (the bits that are selected by the mask 0x7f800000) represent the exponent. Bits 22-0 (the bits that are selected by the mask 0x007fffff) represent the significand (sometimes called the mantissa) of the floating-point number.

If the argument is positive infinity, the result is 0x7f800000. If the argument is negative infinity, the result is 0xff800000. If the argument is NaN, the result is the integer representing the actual NaN value. Unlike the floatToIntBits method, intToRawIntBits does not collapse all the bit patterns encoding a NaN to a single "canonical" NaN value.

In all cases, the result is an integer that, when given to the **intBitsToFloat(int)** (p. 1967) method, will produce a floating-point value the same as the argument to floatToRaw-IntBits.

Parameters

value	The float to convert to a raw int.

Returns

the raw int value of the float

6.364.2.10 virtual float decaf::lang::Float::floatValue ( ) const [inline, virtual]

Answers the float value which the receiver represents.

Returns

float the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.364.2.11 static float decaf::lang::Float::intBitsToFloat (int *bits*) [static]

Returns the float value corresponding to a given bit representation.

The argument is considered to be a representation of a floating-point value according to the IEEE 754 floating-point "single format" bit layout.

If the argument is 0x7f800000, the result is positive infinity. If the argument is 0xff800000, the result is negative infinity. If the argument is any value in the range 0x7f800001 through 0x7fffffff or in the range 0xff800001 through 0xffffffff, the result is a NaN. No IEEE 754 floating-point operation provided by C++ can distinguish between two NaN values of the same type with different bit patterns. Distinct values of NaN are only distinguishable by use of the **Float::floatToRawIntBits** (p. 1967) method.

Parameters

bits	- the bits of the float encoded as a float

Returns

a new float created from the int bits.

6.364.2.12 virtual int decaf::lang::Float::intValue ( ) const [inline, virtual]

Answers the int value which the receiver represents.

Returns

int the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.364.2.13 bool decaf::lang::Float::isInfinite ( ) const

Returns

true if the float is equal to positive infinity.

6.364.2.14 static bool decaf::lang::Float::isInfinite (float *value*) [static]

Parameters

value	- The float to check.

Returns

true if the float is equal to infinity.

6.364.2.15 bool decaf::lang::Float::isNaN ( ) const

Returns

true if the float is equal to NaN.

6.364.2.16 static bool decaf::lang::Float::isNaN (float *value*) [static]

Parameters

value	- The float to check.

Returns

true if the float is equal to NaN.

6.364.2.17 virtual long long decaf::lang::Float::longValue ( ) const [inline, virtual]

Answers the long value which the receiver represents.

Returns

long the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.364.2.18 virtual bool decaf::lang::Float::operator< (const float & *f*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

f	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< float >** (p. 1250).

6.364.2.19 virtual bool decaf::lang::Float::operator< (const Float & *f*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

f	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable**< **Float** > (p. 1250).

6.364.2.20 virtual bool decaf::lang::Float::operator== (const Float & *f*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

f	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable**< **Float** > (p. 1250).

6.364.2.21 virtual bool decaf::lang::Float::operator== (const float & *f*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

f	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable**< **float** > (p. 1250).

6.364.2.22 static float decaf::lang::Float::parseFloat (const std::string & *value*) throw (**exceptions::NumberFormatException**) [static]

Returns a new float initialized to the value represented by the specified string, as performed by the valueOf method of class **Float** (p. 1961).

Parameters

value	- the string to parse

Returns

a float parsed from the string

Exceptions

NumberFormatException	

6.364.2.23 virtual short decaf::lang::Float::shortValue ( ) const [inline, virtual]

Answers the short value which the receiver represents.

Returns

short the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2920).

6.364.2.24 static std::string decaf::lang::Float::toHexString (float *value*) [static]

Returns a hexadecimal string representation of the float argument.

All characters mentioned below are ASCII characters.

∗ If the argument is NaN, the result is the string "NaN". ∗ Otherwise, the result is a string that represents the sign and magnitude (absolute value) of the argument. If the sign is negative, the first character of the result is '-'; if the sign is positive, no sign character appears in the result. As for the magnitude m: o If m is infinity, it is represented by the string "Infinity"; thus, positive infinity produces the result "Infinity" and negative infinity produces the result "-Infinity". o If m is zero, it is represented by the string "0x0.0p0"; thus, negative zero produces the result "-0x0.0p0" and positive zero produces the result "0x0.0p0". o If m is a float value with a normalized representation, substrings are used to represent the significand and exponent fields. The significand is represented by the characters "0x1." followed by a lowercase hexadecimal representation of the rest of the significand as a fraction. Trailing zeros in the hexadecimal representation are removed unless all the digits are zero, in which case a single zero is used. Next, the exponent is represented by "p" followed by a decimal string of the unbiased exponent as if produced by a call to **Integer.toString** (p. 2157) on the exponent value. o If m is a float value with a subnormal representation, the significand is represented by the characters "0x0." followed by a hexadecimal representation of the rest of the significand as a fraction. Trailing zeros in the hexadecimal representation are removed. Next, the exponent is represented by "p-126". Note that there must be at least one nonzero digit in a subnormal significand.

Parameters

value	- The float to convert to a string

Returns

the Hex formatted float string.

6.364.2.25 std::string decaf::lang::Float::toString ( ) const

Returns

this **Float** (p. 1961) Object as a **String** (p. 3775) Representation

6.364.2.26 static std::string decaf::lang::Float::toString (float *value*) [static]

Returns a string representation of the float argument.

All characters mentioned below are ASCII characters.

If the argument is NaN, the result is the string "NaN". Otherwise, the result is a string that represents the sign and magnitude (absolute value) of the argument. If the sign is negative, the first character of the result is '-'; if the sign is positive, no sign character appears in the result. As for the magnitude m: o If m is infinity, it is represented by the characters "Infinity"; thus, positive infinity produces the result "Infinity" and negative infinity produces the result "-Infinity". o If m is zero, it is represented by the characters "0.0"; thus, negative zero produces the result "-0.0" and positive zero produces the result "0.0". o If m is greater than or equal to 10-3 but less than 107, then it is represented as the integer part of m, in decimal form with no leading zeroes, followed by '.', followed by one or more decimal digits representing the fractional part of m. o If m is less than 10-3 or greater than or equal to 107, then it is represented in so-called "computerized scientific notation." Let n be the unique integer such that 10n <= m < 10n+1; then let a be the mathematically exact quotient of m and 10n so that 1 <= a < 10. The magnitude is then represented as the integer part of a, as a single decimal digit, followed by '.', followed by decimal digits representing the fractional part of a, followed by the letter 'E', followed by a representation of n as a decimal integer, as produced by the method **Integer.toString(int)** (p. 2158).

Parameters

value	- The float to convert to a string

Returns

the formatted float string.

6.364.2.27 static Float decaf::lang::Float::valueOf (const std::string & *value*) throw (exceptions::NumberFormatException) [static]

Returns a **Float** (p. 1961) instance that wraps a primtive float which is parsed from the string value passed.

Parameters

value	- the string to parse

Returns

a new **Float** (p. 1961) instance wrapping the float parsed from value

Exceptions

NumberFormatException	on error.

6.364.2.28 static Float decaf::lang::Float::valueOf (float *value*) [static]

Returns a **Float** (p. 1961) instance representing the specified float value.

Parameters

value	- float to wrap

Returns

new **Float** (p. 1961) instance wrapping the primitive value

6.364.3 Field Documentation

6.364.3.1 const float decaf::lang::Float::MAX_VALUE [static]

The maximum value that the primitive type can hold.

6.364.3.2 const float decaf::lang::Float::MIN_VALUE [static]

The minimum value that the primitive type can hold.

6.364.3.3 const float decaf::lang::Float::NaN [static]

Constant for the Not a **Number** (p. 2918) Value.

6.364.3.4 const float decaf::lang::Float::NEGATIVE_INFINITY [static]

Constant for Negative Infinity.

6.364.3.5 const float decaf::lang::Float::POSITIVE_INFINITY [static]

Constant for Positive Infinity.

6.364.3.6 const int decaf::lang::Float::SIZE = 32 [static]

The size in bits of the primitive int type.

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Float.h**

6.365 decaf::internal::nio::FloatArrayBuffer Class Reference

`#include <src/main/decaf/internal/nio/FloatArrayBuffer.h>`

Inheritance diagram for decaf::internal::nio::FloatArrayBuffer:

Public Member Functions

- **FloatArrayBuffer** (int size, bool readOnly=false) throw (decaf::lang::exceptions::IllegalArgumentExcept)

  *Creates a **FloatArrayBuffer** (p. 1974) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.*

- **FloatArrayBuffer** (float *array, int size, int offset, int length, bool readOnly=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsExcep)

  *Creates a **FloatArrayBuffer** (p. 1974) object that wraps the given array.*

- **FloatArrayBuffer** (const **decaf::lang::Pointer**< **ByteArrayAdapter** > &array, int offset, int capacity, bool readOnly=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

- **FloatArrayBuffer** (const **FloatArrayBuffer** &other)

  *Create a **FloatArrayBuffer** (p. 1974) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.*

- virtual ~**FloatArrayBuffer** ()
- virtual float * **array** () throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException)

  Returns the float array that backs this buffer (optional operation).
  Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.
  Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

  Returns

  *the array that backs this **Buffer** (p. 936).*

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this **Buffer** (p. 936) is read only.*
UnsupportedOperationException	*if the underlying store has no array.*

- virtual int **arrayOffset** () throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException)

  Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).
  Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

  Returns

  The offset into the backing array where index zero starts.

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this **Buffer** (p. 936) is read only.*
UnsupportedOperationException	*if the underlying store has no array.*

- virtual FloatBuffer ∗ **asReadOnlyBuffer** () const

  Creates a new, read-only float buffer that shares this buffer's content.
  The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.
  If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.
  The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

  Returns

  The new, read-only float buffer which the caller then owns.

- virtual FloatBuffer & **compact** () throw (decaf::nio::ReadOnlyBufferException)

  Compacts this buffer.
  *The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.*
  The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

*a reference to this **FloatBuffer** (p. 1985).*

Exceptions

ReadOnlyBufferException (p. 3260)	*if this buffer is read-only*

- virtual FloatBuffer ∗ **duplicate** ()

  Creates a new float buffer that shares this buffer's content.
  The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

  Returns

  *a new float **Buffer** (p. 936) which the caller owns.*

- virtual float **get** () throw (decaf::nio::BufferUnderflowException)

  Relative get method.
  Reads the value at this buffer's current position, and then increments the position.

  Returns

  the float at the current position.

  Exceptions

BufferUnderflowException (p. 967)	*if there no more data to return.*

- virtual float **get** (int index) const throw (lang::exceptions::IndexOutOfBoundsException)

  Absolute get method.
  Reads the value at the given index.

  Parameters

index	*The index in the **Buffer** (p. 936) where the float is to be read*

  Returns

  the float that is located at the given index

  Exceptions

IndexOutOfBoundsException	*if index is not smaller than the buffer's limit*

- virtual bool **hasArray** () const

  Tells whether or not this buffer is backed by an accessible float array.
  If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only

- virtual bool **isReadOnly** () const

  Tells whether or not this buffer is read-only.

  Returns

  true if, and only if, this buffer is read-only.

- virtual FloatBuffer & **put** (float value) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException)

  Writes the given floats into this buffer at the current position, and then increments the position.

  Parameters

value	*The floats value to be written.*

  Returns

  a reference to this buffer.

  Exceptions

BufferOverflowException (p. 964)	*if this buffer's current position is not smaller than its limit*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only*

- virtual FloatBuffer & **put** (int index, float value) throw (lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException)

  Writes the given floats into this buffer at the given index.

  Parameters

index	*The position in the **Buffer** (p. 936) to write the data.*
value	*The floats to write.*

  Returns

  a reference to this buffer.

  Exceptions

IndexOutOfBoundsException	*if index greater than the buffer's limit minus the size of the type being written, or index is negative.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual FloatBuffer * **slice** () const

  *Creates a new **FloatBuffer** (p. 1985) whose content is a shared subsequence of this buffer's content.*

  The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers'

position, limit, and mark values will be independent.
The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

*the newly create **FloatBuffer** (p. 1985) which the caller owns.*

Protected Member Functions

- virtual void **setReadOnly** (bool value)

  *Sets this **FloatArrayBuffer** (p. 1974) as Read-Only.*

6.365.1 Constructor & Destructor Documentation

6.365.1.1 decaf::internal::nio::FloatArrayBuffer::FloatArrayBuffer (int *size*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::IllegalArgumentException)

Creates a **FloatArrayBuffer** (p. 1974) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

size	The size of the array, this is the limit we read and write to.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

IllegalArguementException	if the capacity value is negative.

6.365.1.2 decaf::internal::nio::FloatArrayBuffer::FloatArrayBuffer (float * *array*, int *size*, int *offset*, int *length*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a **FloatArrayBuffer** (p. 1974) object that wraps the given array.

If the own flag is set then it will delete this array when this object is deleted.

Parameters

array	The actual array to wrap.
size	The size of the given array.
offset	The position that is this buffers start position.

length	The limit of how many bytes into the array this Buffer can write.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if offset is greater than array capacity.

6.365.1.3 decaf::internal::nio::FloatArrayBuffer::FloatArrayBuffer (const decaf::lang::Pointer< ByteArrayAdapter > & *array*, int *offset*, int *capacity*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

The capacity and limit of the new **FloatArrayBuffer** (p. 1974) will be that of the remaining capacity of the passed buffer.

Parameters

array	The ByteArrayAdapter to wrap.
offset	The position that is this buffers start position.
length	The limit of how many bytes into the array this Buffer can write.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

NullPointerException	if array is NULL
IndexOutOfBoundsException	if offset + length is greater than array size.

6.365.1.4 decaf::internal::nio::FloatArrayBuffer::FloatArrayBuffer (const FloatArrayBuffer & *other*)

Create a **FloatArrayBuffer** (p. 1974) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.

Parameters

other	The **FloatArrayBuffer** (p. 1974) this one is to mirror.

6.365.1.5 virtual decaf::internal::nio::FloatArrayBuffer::~FloatArrayBuffer ( ) [virtual]

6.365.2 Member Function Documentation

6.365.2.1 virtual float* decaf::internal::nio::FloatArrayBuffer::array ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException) [virtual]

Returns the float array that backs this buffer (optional operation).

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

the array that backs this **Buffer** (p. 936).

Exceptions

ReadOnlyBufferException (p. *3260*)	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implements **decaf::nio::FloatBuffer** (p. 1989).

6.365.2.2 virtual int decaf::internal::nio::FloatArrayBuffer::arrayOffset ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException) [virtual]

Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset into the backing array where index zero starts.

Exceptions

ReadOnlyBufferException (p. *3260*)	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implements **decaf::nio::FloatBuffer** (p. 1989).

6.365.2.3 virtual FloatBuffer* decaf::internal::nio::FloatArrayBuffer::asReadOnlyBuffer ( ) const [virtual]

Creates a new, read-only float buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only float buffer which the caller then owns.

Implements **decaf::nio::FloatBuffer** (p. 1990).

6.365.2.4 virtual FloatBuffer& decaf::internal::nio::FloatArrayBuffer::compact ( ) throw (decaf::nio::ReadOnlyBufferException) [virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **FloatBuffer** (p. 1985).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only

Implements **decaf::nio::FloatBuffer** (p. 1990).

6.365.2.5 virtual FloatBuffer* decaf::internal::nio::FloatArrayBuffer::duplicate ( ) [virtual]

Creates a new float buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new float **Buffer** (p. 936) which the caller owns.

Implements **decaf::nio::FloatBuffer** (p. 1991).

6.365.2.6 virtual float decaf::internal::nio::FloatArrayBuffer::get ( ) throw (**decaf::nio::BufferUnderflowException**) [virtual]

Relative get method.

Reads the value at this buffer's current position, and then increments the position.

Returns

the float at the current position.

Exceptions

BufferUnderflowException *(p. 967)*	if there no more data to return.

Implements **decaf::nio::FloatBuffer** (p. 1993).

6.365.2.7 virtual float decaf::internal::nio::FloatArrayBuffer::get (int *index*) const throw (**lang::exceptions::IndexOutOfBoundsException**) [virtual]

Absolute get method.

Reads the value at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the float is to be read

Returns

the float that is located at the given index

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit

Implements **decaf::nio::FloatBuffer** (p. 1991).

6.365.2.8 virtual bool decaf::internal::nio::FloatArrayBuffer::hasArray ( ) const [inline, virtual]

Tells whether or not this buffer is backed by an accessible float array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only

Implements **decaf::nio::FloatBuffer** (p. 1993).

6.365.2.9 virtual bool decaf::internal::nio::FloatArrayBuffer::isReadOnly ( ) const [inline, virtual]

Tells whether or not this buffer is read-only.

Returns

true if, and only if, this buffer is read-only.

Implements **decaf::nio::Buffer** (p. 940).

6.365.2.10 virtual FloatBuffer& decaf::internal::nio::FloatArrayBuffer::put (int *index*, float *value*) throw (**lang::exceptions::IndexOutOfBoundsException**, **decaf::nio::ReadOnlyBufferException**) [virtual]

Writes the given floats into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The floats to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::FloatBuffer** (p. 1994).

6.365.2.11 virtual FloatBuffer& decaf::internal::nio::FloatArrayBuffer::put (float *value*) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes the given floats into this buffer at the current position, and then increments the position.

Parameters

value	The floats value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if this buffer's current position is not smaller than its limit
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implements **decaf::nio::FloatBuffer** (p. 1993).

6.365.2.12 virtual void decaf::internal::nio::FloatArrayBuffer::setReadOnly (bool *value*) [inline, protected, virtual]

Sets this **FloatArrayBuffer** (p. 1974) as Read-Only.

Parameters

value	Boolean value, true if this buffer is to be read-only, false otherwise.

6.365.2.13 virtual FloatBuffer* decaf::internal::nio::FloatArrayBuffer::slice ( ) const [virtual]

Creates a new **FloatBuffer** (p. 1985) whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **FloatBuffer** (p. 1985) which the caller owns.

Implements **decaf::nio::FloatBuffer** (p. 1996).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/nio/**FloatArrayBuffer.h**

6.366 decaf::nio::FloatBuffer Class Reference

This class defines four categories of operations upon float buffers:

`#include <src/main/decaf/nio/FloatBuffer.h>`

Inheritance diagram for decaf::nio::FloatBuffer:

Public Member Functions

- virtual ~**FloatBuffer** ()
- virtual std::string **toString** () const
- virtual float * **array** ()=0 throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException)

  Returns the float array that backs this buffer (optional operation).

- virtual int **arrayOffset** ()=0 throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException)

  Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

- virtual **FloatBuffer** * **asReadOnlyBuffer** () const =0

  Creates a new, read-only float buffer that shares this buffer's content.

- virtual **FloatBuffer** & **compact** ()=0 throw (ReadOnlyBufferException)

  Compacts this buffer.

- virtual **FloatBuffer** ∗ **duplicate** ()=0

  Creates a new float buffer that shares this buffer's content.

- virtual float **get** ()=0 throw (BufferUnderflowException)

  Relative get method.

- virtual float **get** (int index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Absolute get method.

- **FloatBuffer** & **get** (std::vector< float > buffer) throw (BufferUnderflowException)

  Relative bulk get method.

- **FloatBuffer** & **get** (float ∗buffer, int size, int offset, int length) throw (BufferUnderflowException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPo)

  Relative bulk get method.

- virtual bool **hasArray** () const =0

  Tells whether or not this buffer is backed by an accessible float array.

- **FloatBuffer** & **put** (**FloatBuffer** &src) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IllegalArgumentException)

  This method transfers the floats remaining in the given source buffer into this buffer.

- **FloatBuffer** & **put** (const float ∗buffer, int size, int offset, int length) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsExcep decaf::lang::exceptions::NullPointerException)

  This method transfers floats into this buffer from the given source array.

- **FloatBuffer** & **put** (std::vector< float > &buffer) throw (BufferOverflowException, ReadOnlyBufferException)

  This method transfers the entire content of the given source floats array into this buffer.

- virtual **FloatBuffer** & **put** (float value)=0 throw (BufferOverflowException, ReadOnlyBufferException)

  Writes the given floats into this buffer at the current position, and then increments the position.

- virtual **FloatBuffer** & **put** (int index, float value)=0 throw (decaf::lang::exceptions::IndexOutOfBoundsEx ReadOnlyBufferException)

Writes the given floats into this buffer at the given index.

- virtual **FloatBuffer** ∗ **slice** () const =0

  *Creates a new **FloatBuffer** (p. 1985) whose content is a shared subsequence of this buffer's content.*

- virtual int **compareTo** (const **FloatBuffer** &value) const

- virtual bool **equals** (const **FloatBuffer** &value) const

- virtual bool **operator==** (const **FloatBuffer** &value) const

- virtual bool **operator**< (const **FloatBuffer** &value) const

Static Public Member Functions

- static **FloatBuffer** ∗ **allocate** (int capacity) throw (decaf::lang::exceptions::IllegalArgumentException)

  Allocates a new Double buffer.

- static **FloatBuffer** ∗ **wrap** (float ∗array, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  *Wraps the passed buffer with a new **FloatBuffer** (p. 1985).*

- static **FloatBuffer** ∗ **wrap** (std::vector< float > &buffer)

  *Wraps the passed STL float Vector in a **FloatBuffer** (p. 1985).*

Protected Member Functions

- **FloatBuffer** (int capacity) throw (decaf::lang::exceptions::IllegalArgumentException)

  *Creates a **FloatBuffer** (p. 1985) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.*

6.366.1 Detailed Description

This class defines four categories of operations upon float buffers: o Absolute and relative get and put methods that read and write single floats; o Relative bulk get methods

that transfer contiguous sequences of floats from this buffer into an array; and o Relative bulk put methods that transfer contiguous sequences of floats from a float array or some other float buffer into this buffer o Methods for compacting, duplicating, and slicing a float buffer.

Double buffers can be created either by allocation, which allocates space for the buffer's content, by wrapping an existing float array into a buffer, or by creating a view of an existing byte buffer

Methods in this class that do not otherwise have a value to return are specified to return the buffer upon which they are invoked. This allows method invocations to be chained.

6.366.2 Constructor & Destructor Documentation

6.366.2.1 decaf::nio::FloatBuffer::FloatBuffer (int *capacity*) throw (decaf::lang::exceptions::IllegalArgumentException) [protected]

Creates a **FloatBuffer** (p. 1985) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

capacity	The size and limit of the **Buffer** (p. 936) in floats.

Exceptions

IllegalArguementException	if capacity is negative.

6.366.2.2 virtual decaf::nio::FloatBuffer::~FloatBuffer ( ) [inline, virtual]

6.366.3 Member Function Documentation

6.366.3.1 static FloatBuffer* decaf::nio::FloatBuffer::allocate (int *capacity*) throw (decaf::lang::exceptions::IllegalArgumentException) [static]

Allocates a new Double buffer.

The new buffer's position will be zero, its limit will be its capacity, and its mark will be undefined. It will have a backing array, and its array offset will be zero.

Parameters

capacity	The size of the Double buffer in floats.

Returns

the **FloatBuffer** (p. 1985) that was allocated, caller owns.

6.366.3.2 virtual float* decaf::nio::FloatBuffer::array ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException) [pure virtual]

Returns the float array that backs this buffer (optional operation).

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

the array that backs this **Buffer** (p. 936).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implemented in **decaf::internal::nio::FloatArrayBuffer** (p. 1980).

6.366.3.3 virtual int decaf::nio::FloatBuffer::arrayOffset ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException) [pure virtual]

Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset into the backing array where index zero starts.

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implemented in **decaf::internal::nio::FloatArrayBuffer** (p. 1980).

6.366.3.4 virtual FloatBuffer* decaf::nio::FloatBuffer::asReadOnlyBuffer ( ) const [pure virtual]

Creates a new, read-only float buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only float buffer which the caller then owns.

Implemented in **decaf::internal::nio::FloatArrayBuffer** (p. 1981).

6.366.3.5 virtual FloatBuffer& decaf::nio::FloatBuffer::compact ( ) throw (ReadOnlyBufferException) [pure virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **FloatBuffer** (p. 1985).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only

Implemented in **decaf::internal::nio::FloatArrayBuffer** (p. 1981).

6.366.3.6 virtual int decaf::nio::FloatBuffer::compareTo (const FloatBuffer & *value*) const [virtual]

6.366.3.7 virtual FloatBuffer* decaf::nio::FloatBuffer::duplicate ( ) [pure virtual]

Creates a new float buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new float **Buffer** (p. 936) which the caller owns.

Implemented in **decaf::internal::nio::FloatArrayBuffer** (p. 1982).

6.366.3.8 virtual bool decaf::nio::FloatBuffer::equals (const FloatBuffer & *value*) const [virtual]

6.366.3.9 FloatBuffer& decaf::nio::FloatBuffer::get (std::vector< float > *buffer*) throw (BufferUnderflowException)

Relative bulk get method.

This method transfers values from this buffer into the given destination vector. An invocation of this method of the form src.get(a) behaves in exactly the same way as the invocation. The vector must be sized to the amount of data that is to be read, that is to say, the caller should call buffer.resize(N) before calling this get method.

Returns

a reference to this **Buffer** (p. 936).

Exceptions

BufferUnderflowException *(p. 967)*	if there are fewer than length floats remaining in this buffer

6.366.3.10 virtual float decaf::nio::FloatBuffer::get (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Absolute get method.

Reads the value at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the float is to be read

Returns

the float that is located at the given index

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit

Implemented in **decaf::internal::nio::FloatArrayBuffer** (p. 1982).

6.366.3.11 FloatBuffer& decaf::nio::FloatBuffer::get (float * *buffer*, int *size*, int *offset*, int *length*) throw (BufferUnderflowException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

Relative bulk get method.

This method transfers floats from this buffer into the given destination array. If there are fewer floats remaining in the buffer than are required to satisfy the request, that is, if length > **remaining()** (p. 941), then no bytes are transferred and a **BufferUnderflowException** (p. 967) is thrown.

Otherwise, this method copies length floats from this buffer into the given array, starting at the current position of this buffer and at the given offset in the array. The position of this buffer is then incremented by length.

Parameters

buffer	The pointer to an allocated buffer to fill.
size	The size of the passed in buffer.
offset	The position in the buffer to start filling.
length	The amount of data to put in the passed buffer.

Returns

a reference to this **Buffer** (p. 936).

Exceptions

BufferUnderflowException *(p. 967)*	if there are fewer than length floats remaining in this buffer
NullPointerException	if the passed buffer is null.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.366.3.12 virtual float decaf::nio::FloatBuffer::get ( ) throw (BufferUnderflowException) [pure virtual]

Relative get method.

Reads the value at this buffer's current position, and then increments the position.

Returns

the float at the current position.

Exceptions

BufferUnderflowException (p. *967*)	if there no more data to return.

Implemented in **decaf::internal::nio::FloatArrayBuffer** (p. 1982).

6.366.3.13 virtual bool decaf::nio::FloatBuffer::hasArray ( ) const [pure virtual]

Tells whether or not this buffer is backed by an accessible float array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only

Implemented in **decaf::internal::nio::FloatArrayBuffer** (p. 1983).

6.366.3.14 virtual bool decaf::nio::FloatBuffer::operator< (const FloatBuffer & *value*) const [virtual]

6.366.3.15 virtual bool decaf::nio::FloatBuffer::operator== (const FloatBuffer & *value*) const [virtual]

6.366.3.16 virtual FloatBuffer& decaf::nio::FloatBuffer::put (float *value*) throw (BufferOverflowException, ReadOnlyBufferException) [pure virtual]

Writes the given floats into this buffer at the current position, and then increments the position.

Parameters

value	The floats value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if this buffer's current position is not smaller than its limit
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implemented in **decaf::internal::nio::FloatArrayBuffer** (p. 1984).

6.366.3.17 virtual FloatBuffer& decaf::nio::FloatBuffer::put (int *index*, float *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException) [pure virtual]

Writes the given floats into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The floats to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written, or index is negative.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::FloatArrayBuffer** (p. 1983).

6.366.3.18 FloatBuffer& decaf::nio::FloatBuffer::put (const float * *buffer*, int *size*, int *offset*, int *length*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

This method transfers floats into this buffer from the given source array.

If there are more floats to be copied from the array than remain in this buffer, that is, if length > **remaining()** (p. 941), then no floats are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies length bytes from the given array into this buffer, starting at the given offset in the array and at the current position of this buffer. The position of this buffer is then incremented by length.

Parameters

buffer	The array from which floats are to be read.
size	The size of the passed in buffer.
offset	The offset within the array of the first float to be read.
length	The number of floats to be read from the given array.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only
NullPointerException	if the passed buffer is null.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.366.3.19 FloatBuffer& decaf::nio::FloatBuffer::put (std::vector< float > & *buffer*) throw (BufferOverflowException, ReadOnlyBufferException)

This method transfers the entire content of the given source floats array into this buffer.

This is the same as calling put(&buffer[0], 0, buffer.size().

Parameters

buffer	The buffer whose contents are copied to this **FloatBuffer** (p. 1985)

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

6.366.3.20 FloatBuffer& decaf::nio::FloatBuffer::put (FloatBuffer & *src*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IllegalArgumentException)

This method transfers the floats remaining in the given source buffer into this buffer.

If there are more floats remaining in the source buffer than in this buffer, that is, if src.remaining() > **remaining()** (p. 941), then no floats are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies n = src.remaining() floats from the given buffer into this buffer, starting at each buffer's current position. The positions of both buffers are then incremented by n.

Parameters

src	The buffer to take floats from an place in this one.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException *(p. 964)*	if there is insufficient space in this buffer for the remaining floats in the source buffer
IllegalArgumentException	if the source buffer is this buffer.
ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

6.366.3.21 virtual FloatBuffer* decaf::nio::FloatBuffer::slice ( ) const [pure virtual]

Creates a new **FloatBuffer** (p. 1985) whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **FloatBuffer** (p. 1985) which the caller owns.

Implemented in **decaf::internal::nio::FloatArrayBuffer** (p. 1985).

6.366.3.22 virtual std::string decaf::nio::FloatBuffer::toString ( ) const [virtual]

Returns

a std::string describing this object

6.366.3.23 static FloatBuffer* decaf::nio::FloatBuffer::wrap (float * *array,* int *size,* int *offset,* int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new **FloatBuffer** (p. 1985).

The new buffer will be backed by the given float array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array.length, its position will be offset, its limit will be offset + length, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

array	The array that will back the new buffer.
size	The size of the array that was passed in.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new **FloatBuffer** (p. 1985) that is backed by buffer, caller owns.

Exceptions

NullPointerException	if the array pointer is NULL.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.366.3.24 static FloatBuffer* decaf::nio::FloatBuffer::wrap (std::vector< float > & *buffer*) [static]

Wraps the passed STL float Vector in a **FloatBuffer** (p. 1985).

The new buffer will be backed by the given float array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	- The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new **FloatBuffer** (p. 1985) that is backed by buffer, caller owns.

The documentation for this class was generated from the following file:

- src/main/decaf/nio/**FloatBuffer.h**

6.367 decaf::io::Flushable Class Reference

A **Flushable** (p. 1998) is a destination of data that can be flushed.

`#include <src/main/decaf/io/Flushable.h>`

Inheritance diagram for decaf::io::Flushable:

Public Member Functions

- virtual ~**Flushable** ()
- virtual void **flush** ()=0 throw (decaf::io::IOException)

  Flushes this stream by writing any buffered output to the underlying stream.

6.367.1 Detailed Description

A **Flushable** (p. 1998) is a destination of data that can be flushed. The flush method is invoked to write any buffered output to the underlying stream.

Since

1.0

6.367.2 Constructor & Destructor Documentation

6.367.2.1 virtual decaf::io::Flushable::~Flushable ( ) [inline, virtual]

6.367.3 Member Function Documentation

6.367.3.1 virtual void decaf::io::Flushable::flush ( ) throw (decaf::io::IOException) [pure virtual]

Flushes this stream by writing any buffered output to the underlying stream.

Exceptions

IOException (p. *2210*)	if an I/O error occurs.

Implemented in **decaf::internal::io::StandardErrorOutputStream** (p. 3688), **decaf::internal::io::StandardOutputStream** (p. 3691), **decaf::io::BufferedOutputStream** (p. 951), **decaf::io::FilterOutputStream** (p. 1960), **decaf::io::OutputStream** (p. 2994), and **decaf::io::OutputStreamWriter** (p. 3001).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**Flushable.h**

6.368 activemq::commands::FlushCommand Class Reference

`#include <src/main/activemq/commands/FlushCommand.h>`

Inheritance diagram for activemq::commands::FlushCommand:

Public Member Functions

- **FlushCommand** ()
- virtual ~**FlushCommand** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **FlushCommand** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** ∗visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_FLUSHCOMMAND** = 15

6.368.1 Constructor & Destructor Documentation

6.368.1.1 activemq::commands::FlushCommand::FlushCommand ( )

6.368.1.2 virtual activemq::commands::FlushCommand::~FlushCommand ( ) [virtual]

6.368.2 Member Function Documentation

6.368.2.1 virtual FlushCommand* activemq::commands::FlushCommand::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.368.2.2 virtual void activemq::commands::FlushCommand::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.368.2.3 virtual bool activemq::commands::FlushCommand::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.368.2.4 virtual unsigned char activemq::commands::FlushCommand::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.368.2.5 virtual std::string activemq::commands::FlushCommand::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.368.2.6 virtual Pointer<Command> activemq::commands::FlushCommand::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.368.3 Field Documentation

6.368.3.1 const unsigned char activemq::commands::FlushCommand::ID_FLUSHCOMMAND = 15 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**FlushCommand.h**

6.369 activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2002).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/FlushCommandMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller:

Public Member Functions

- **FlushCommandMarshaller** ()
- virtual ~**FlushCommandMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.369.1 Detailed Description

Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2002). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.369.2 Constructor & Destructor Documentation

6.369.2.1 activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller::FlushCommandMarshaller ( ) [inline]

6.369.2.2 virtual activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller::~FlushCommandMarshaller ( ) [inline, virtual]

6.369.3 Member Function Documentation

6.369.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.369.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.369.3.3 virtual void activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.369.3.4 virtual void activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.369.3.5 virtual int activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.369.3.6 virtual void activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.369.3.7 virtual void activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**FlushCommandMarshaller.h**

6.370 activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2006).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/FlushCommandMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller:

Public Member Functions

- **FlushCommandMarshaller** ()
- virtual ∼**FlushCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.370.1 Detailed Description

Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2006).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.370.2 Constructor & Destructor Documentation

6.370.2.1 activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller::FlushCommandMarshaller ( ) [inline]

6.370.2.2 virtual activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller::∼FlushCommandMarshaller ( ) [inline, virtual]

6.370.3 Member Function Documentation

6.370.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.370.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.370.3.3 virtual void activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.370.3.4 virtual void activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.370.3.5 virtual int activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.370.3.6 virtual void activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.370.3.7 virtual void activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**FlushCommandMarshaller.h**

6.371 activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2010).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/FlushCommandMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller:

Public Member Functions

- **FlushCommandMarshaller** ()
- virtual ~**FlushCommandMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.371.1 Detailed Description

Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2010).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.371.2 Constructor & Destructor Documentation

6.371.2.1 activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller::FlushCommandMarshaller ( ) [inline]

6.371.2.2 virtual activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller::∼FlushCommandMarshaller ( ) [inline, virtual]

6.371.3 Member Function Documentation

6.371.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.371.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.371.3.3 virtual void activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.371.3.4 virtual void activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.371.3.5 virtual int activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.371.3.6 virtual void activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.371.3.7 virtual void activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**FlushCommandMarshaller.h**

6.372 activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2014).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/FlushCommandMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller:

Public Member Functions

- **FlushCommandMarshaller** ()
- virtual ~**FlushCommandMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.372.1 Detailed Description

Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2014). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.372.2 Constructor & Destructor Documentation

6.372.2.1 activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller::FlushCommandMarshaller ( ) [inline]

6.372.2.2 virtual activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller::~FlushCommandMarshaller ( ) [inline, virtual]

6.372.3 Member Function Documentation

6.372.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.372.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.372.3.3 virtual void activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.372.3.4 virtual void activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.372.3.5 virtual int activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.372.3.6 virtual void activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.372.3.7 virtual void activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**FlushCommandMarshaller.h**

6.373 activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2019).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/FlushCommandMarshaller.h`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller:

Public Member Functions

- **FlushCommandMarshaller** ()
- virtual ∼**FlushCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.373.1 Detailed Description

Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2019). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.373.2 Constructor & Destructor Documentation

6.373.2.1 activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller::FlushCommandMarshaller ( ) [inline]

6.373.2.2 virtual activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller::~FlushCommandMarshaller ( ) [inline, virtual]

6.373.3 Member Function Documentation

6.373.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.373.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.373.3.3 virtual void activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.373.3.4 virtual void activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.373.3.5 virtual int activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.373.3.6 virtual void activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.373.3.7 virtual void activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**FlushCommandMarshaller.h**

6.374 activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2023).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/FlushCommandMarshaller.h
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller:

Public Member Functions

- **FlushCommandMarshaller** ()
- virtual ∼**FlushCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.374.1 Detailed Description

Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2023).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.374.2 Constructor & Destructor Documentation

6.374.2.1 activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller::FlushCommandMarshaller ( ) [inline]

6.374.2.2 virtual activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller::∼FlushCommandMarshaller ( ) [inline, virtual]

6.374.3 Member Function Documentation

6.374.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.374.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.374.3.3 virtual void activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.374.3.4 virtual void activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.374.3.5 virtual int activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.374.3.6 virtual void activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.374.3.7 virtual void activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**FlushCommandMarshaller.h**

6.375 decaf::util::logging::Formatter Class Reference

A **Formatter** (p. 2027) provides support for formatting LogRecords.

`#include <src/main/decaf/util/logging/Formatter.h>`

Inheritance diagram for decaf::util::logging::Formatter:

Public Member Functions

- virtual ~**Formatter** ()
- virtual std::string **format** (const **LogRecord** &record) const =0

  Format the given log record and return the formatted string.

- virtual std::string **formatMessage** (const **LogRecord** &record) const

  Format the message string from a log record.

- virtual std::string **getHead** (const **Handler** *handler DECAF_UNUSED)

  Return the header string for a set of formatted records.

- virtual std::string **getTail** (const **Handler** *handler DECAF_UNUSED)

  Return the tail string for a set of formatted records.

6.375.1 Detailed Description

A **Formatter** (p. 2027) provides support for formatting LogRecords. Typically each logging **Handler** (p. 2042) will have a **Formatter** (p. 2027) associated with it. The **Formatter** (p. 2027) takes a **LogRecord** (p. 2487) and converts it to a string.

Some formatters (such as the **XMLFormatter** (p. 4172)) need to wrap head and tail strings around a set of formatted records. The getHeader and getTail methods can be used to obtain these strings.

6.375.2 Constructor & Destructor Documentation

6.375.2.1 virtual decaf::util::logging::Formatter::~Formatter ( ) [inline, virtual]

6.375.3 Member Function Documentation

6.375.3.1 virtual std::string decaf::util::logging::Formatter::format (const LogRecord & *record*) const [pure virtual]

Format the given log record and return the formatted string.

Parameters

record	The Log Record to Format

Returns

the formatted record.

Implemented in **decaf::util::logging::SimpleFormatter** (p. 3605), and **decaf::util::logging::XMLFormatter** (p. 4173).

6.375.3.2 virtual std::string decaf::util::logging::Formatter::formatMessage (const LogRecord & *record*) const [virtual]

Format the message string from a log record.

Parameters

record	The Log Record to Format

Returns

the formatted message

6.375.3.3 virtual std::string decaf::util::logging::Formatter::getHead (const Handler *handler DECAF_UNUSED) [inline, virtual]

Return the header string for a set of formatted records.

In the default implementation this method should return empty string.

Parameters

handler	The target handler, can be NULL.

Returns

the head string.

6.375.3.4 virtual std::string decaf::util::logging::Formatter::getTail (const Handler *handler DECAF_UNUSED) [inline, virtual]

Return the tail string for a set of formatted records.

In the default implementation this method should return empty string

Parameters

handler	the target handler, can be null

Returns

the tail string

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**Formatter.h**

6.376 decaf::util::concurrent::Future< V > Class Template Reference

A **Future** (p. 2029) represents the result of an asynchronous computation.

`#include <src/main/decaf/util/concurrent/Future.h>`

Public Member Functions

- virtual ~**Future** ()
- bool **cancel** (bool mayInterruptIfRunning)=0

  Attempts to cancel execution of this task.

- bool **isCancelled** () const =0

Returns true if this task was canceled before it completed normally.

- bool **isDone** () const =0

  Returns true if this task completed.

- V **get** ()=0 throw (CancellationException, InterruptedException, ExecutionException)

  Waits if necessary for the computation to complete, and then retrieves its result.

- V **get** (long long timeout, **TimeUnit** unit)=0 throw (InterruptedException, ExecutionException, TimeoutException)

  Waits if necessary for at most the given time for the computation to complete, and then retrieves its result, if available.

6.376.1 Detailed Description

template<typename V> class decaf::util::concurrent::Future< V >

A **Future** (p. 2029) represents the result of an asynchronous computation. Methods are provided to check if the computation is complete, to wait for its completion, and to retrieve the result of the computation. The result can only be retrieved using method get when the computation has completed, blocking if necessary until it is ready. Cancellation is performed by the cancel method. Additional methods are provided to determine if the task completed normally or was canceled. Once a computation has completed, the computation cannot be canceled. If you would like to use a **Future** (p. 2029) for the sake of cancellability but not provide a usable result, you can declare types of the form Future<void*> and return null as a result of the underlying task.

6.376.2 Constructor & Destructor Documentation

6.376.2.1 template<typename V > virtual decaf::util::concurrent::Future< V >::~Future ( ) [inline, virtual]

6.376.3 Member Function Documentation

6.376.3.1 template<typename V > bool decaf::util::concurrent::Future< V >::cancel (bool *mayInterruptIfRunning*) [pure virtual]

Attempts to cancel execution of this task.

This attempt will fail if the task has already completed, has already been canceled, or could not be canceled for some other reason. If successful, and this task has not started when cancel is called, this task should never run. If the task has already started, then the mayInterruptIfRunning parameter determines whether the thread executing this task should be interrupted in an attempt to stop the task.

After this method returns, subsequent calls to **isDone()** (p. 2032) will always return true. Subsequent calls to **isCancelled()** (p. 2032) will always return true if this method returned true.

Parameters

mayInterruptIfRunning	- true if the thread executing this task should be interrupted; otherwise, in-progress tasks are allowed to complete.

Returns

false if the task could not be canceled, typically because it has already completed normally; true otherwise

6.376.3.2 template<typename V > V decaf::util::concurrent::Future< V >::get (long long *timeout*, TimeUnit *unit*) throw (InterruptedException, ExecutionException, TimeoutException) [pure virtual]

Waits if necessary for at most the given time for the computation to complete, and then retrieves its result, if available.

Parameters

timeout	- the maximum time to wait
unit	- the time unit of the timeout argument

Returns

the computed result

Exceptions

CancellationException (p. *1110*)	- if the computation was canceled
ExecutionException (p. *1923*)	- if the computation threw an exception
InterruptedException	- if the current thread was interrupted while waiting
TimeoutException (p. *3899*)	- if the wait timed out

6.376.3.3 template<typename V > V decaf::util::concurrent::Future< V >::get ( ) throw (CancellationException, InterruptedException, ExecutionException) [pure virtual]

Waits if necessary for the computation to complete, and then retrieves its result.

Returns

the computed result.

Exceptions

CancellationException (p. *1110*)	- if the computation was canceled
ExecutionException (p. *1923*)	- if the computation threw an exception
InterruptedException	- if the current thread was interrupted while waiting

6.376.3.4 template<typename V > bool decaf::util::concurrent::Future< V >::isCancelled ( ) const [pure virtual]

Returns true if this task was canceled before it completed normally.

Returns

true if this task was canceled before it completed

6.376.3.5 template<typename V > bool decaf::util::concurrent::Future< V >::isDone ( ) const [pure virtual]

Returns true if this task completed.

Completion may be due to normal termination, an exception, or cancellation -- in all of these cases, this method will return true.

Returns

true if this task completed

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**Future.h**

6.377 activemq::transport::correlator::FutureResponse Class Reference

A container that holds a response object.

`#include <src/main/activemq/transport/correlator/FutureResponse.h>`

Public Member Functions

- **FutureResponse** ()
- virtual ~**FutureResponse** ()
- virtual const **Pointer**< **Response** > & **getResponse** () const

  Getters for the response property.

- virtual **Pointer**< **Response** > & **getResponse** ()
- virtual const **Pointer**< **Response** > & **getResponse** (unsigned int timeout) const

  Getters for the response property.

- virtual **Pointer**< **Response** > & **getResponse** (unsigned int timeout)
- virtual void **setResponse** (const **Pointer**< **Response** > &response)

  Setter for the response property.

6.377.1 Detailed Description

A container that holds a response object. Callers of the getResponse method will block until a response has been receive unless they call the getRepsonse that takes a timeout.

6.377.2 Constructor & Destructor Documentation

6.377.2.1 activemq::transport::correlator::FutureResponse::FutureResponse ( ) [inline]

6.377.2.2 virtual activemq::transport::correlator::FutureResponse::~FutureResponse ( ) [inline, virtual]

6.377.3 Member Function Documentation

6.377.3.1 virtual const Pointer<Response>& activemq::transport::correlator::FutureResponse::getResponse ( ) const [inline, virtual]

Getters for the response property.

Infinite Wait.

Returns

the response object for the request

6.377.3.2 virtual Pointer<Response>& activemq::transport::correlator::FutureResponse::getResponse ( ) [inline, virtual]

6.377.3.3 virtual Pointer<Response>& activemq::transport::correlator::FutureResponse::getResponse (unsigned int *timeout*) [inline, virtual]

6.377.3.4 virtual const Pointer<Response>& activemq::transport::correlator::FutureResponse::getResponse (unsigned int *timeout*) const [inline, virtual]

Getters for the response property.

Timed Wait.

Parameters

timeout	- time to wait in milliseconds

Returns

the response object for the request

6.377.3.5 virtual void activemq::transport::correlator::FutureResponse::setResponse (const Pointer< Response > & *response*) [inline, virtual]

Setter for the response property.

Parameters

response	the response object for the request.

The documentation for this class was generated from the following file:

- src/main/activemq/transport/correlator/**FutureResponse.h**

6.378 decaf::security::GeneralSecurityException Class Reference

`#include <src/main/decaf/security/GeneralSecurityException.h>`

Inheritance diagram for decaf::security::GeneralSecurityException:

Public Member Functions

- **GeneralSecurityException** () throw ()

Default Constructor.

- **GeneralSecurityException** (const **decaf::lang::Exception** &ex) throw ()

  Conversion Constructor from some other Exception.

- **GeneralSecurityException** (const **GeneralSecurityException** &ex) throw ()

  Copy Constructor.

- **GeneralSecurityException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **GeneralSecurityException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **GeneralSecurityException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **GeneralSecurityException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**GeneralSecurityException** () throw ()

6.378.1 Constructor & Destructor Documentation

6.378.1.1 decaf::security::GeneralSecurityException::GeneralSecurityException ( ) throw () [inline]

Default Constructor.

6.378.1.2 decaf::security::GeneralSecurityException::GeneralSecurityException (const decaf::lang::Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.378.1.3 decaf::security::GeneralSecurityException::GeneralSecurityException (const GeneralSecurityException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.378.1.4 decaf::security::GeneralSecurityException::GeneralSecurityException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.378.1.5 decaf::security::GeneralSecurityException::GeneralSecurityException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.378.1.6 decaf::security::GeneralSecurityException::GeneralSecurityException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	name where exception occurs
lineNumber	line number where the exception occurred.
msg	message to report
...	list of primitives that are formatted into the message

6.378.1.7 virtual decaf::security::GeneralSecurityException::~GeneralSecurityException ( ) throw () [inline, virtual]

6.378.2 Member Function Documentation

6.378.2.1 virtual GeneralSecurityException* decaf::security::GeneralSecurityException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A deep copy of this exception.

Reimplemented from **decaf::lang::Exception** (p. 1889).

Reimplemented in **decaf::security::cert::CertificateEncodingException** (p. 1118), **decaf::security::cert::CertificateException** (p. 1120), **decaf::security::cert::CertificateExpiredException** (p. 1122), **decaf::security::cert::CertificateNotYetValidException** (p. 1124), **decaf::security::cert::CertificateParsingEx** (p. 1126), **decaf::security::InvalidKeyException** (p. 2203), **decaf::security::KeyException** (p. 2368), **decaf::security::KeyManagementException** (p. 2371), **decaf::security::NoSuchAlgorithmException** (p. 2910), **decaf::security::NoSuchProviderException** (p. 2915), and **decaf::security::SignatureException** (p. 3604).

The documentation for this class was generated from the following file:

- src/main/decaf/security/**GeneralSecurityException.h**

6.379 decaf::internal::util::GenericResource< T > Class Template Reference

A Generic **Resource** (p. 3374) wraps some type and will delete it when the **Resource** (p. 3374) itself is deleted.

```
#include <src/main/decaf/internal/util/GenericResource.h>
```

Inheritance diagram for decaf::internal::util::GenericResource< T >:

Public Member Functions

- **GenericResource** (T *value)
- virtual ~**GenericResource** ()
- T * **getManaged** () const
- void **setManaged** (T *value)

6.379.1 Detailed Description

template<typename T> class decaf::internal::util::GenericResource< T >

A Generic **Resource** (p. 3374) wraps some type and will delete it when the **Resource** (p. 3374) itself is deleted.

Since

1.0

6.379.2 Constructor & Destructor Documentation

6.379.2.1 template<typename T> decaf::internal::util::GenericResource< T >::GenericResource (T * *value*) [inline, explicit]

6.379.2.2 template<typename T> virtual decaf::internal::util::GenericResource< T >::~GenericResource ( ) [inline, virtual]

6.379.3 Member Function Documentation

6.379.3.1 template<typename T> T* decaf::internal::util::GenericResource< T >::getManaged ( ) const [inline]

6.379.3.2 template<typename T> void decaf::internal::util::GenericResource< T >::setManaged (T * *value*) [inline]

The documentation for this class was generated from the following file:

- src/main/decaf/internal/util/**GenericResource.h**

6.380 gz_header_s Struct Reference

```
#include <src/main/decaf/internal/util/zip/zlib.h>
```

Data Fields

- int **text**
- **uLong time**
- int **xflags**
- int **os**
- **Bytef * extra**
- **uInt extra_len**
- **uInt extra_max**
- **Bytef * name**
- **uInt name_max**

- **Bytef * comment**
- **uInt comm_max**
- int **hcrc**
- int **done**

6.380.1 Field Documentation

6.380.1.1 uInt gz_header_s::comm_max

6.380.1.2 Bytef* gz_header_s::comment

6.380.1.3 int gz_header_s::done

6.380.1.4 Bytef* gz_header_s::extra

6.380.1.5 uInt gz_header_s::extra_len

6.380.1.6 uInt gz_header_s::extra_max

6.380.1.7 int gz_header_s::hcrc

6.380.1.8 Bytef* gz_header_s::name

6.380.1.9 uInt gz_header_s::name_max

6.380.1.10 int gz_header_s::os

6.380.1.11 int gz_header_s::text

6.380.1.12 uLong gz_header_s::time

6.380.1.13 int gz_header_s::xflags

The documentation for this struct was generated from the following file:

- src/main/decaf/internal/util/zip/**zlib.h**

6.381 gz_state Struct Reference

```
#include <src/main/decaf/internal/util/zip/gzguts.h>
```

Data Fields

- int **mode**
- int **fd**

- char * **path**
- z_off64_t **pos**
- unsigned **size**
- unsigned **want**
- unsigned char * **in**
- unsigned char * **out**
- unsigned char * **next**
- unsigned **have**
- int **eof**
- z_off64_t **start**
- z_off64_t **raw**
- int **how**
- int **direct**
- int **level**
- int **strategy**
- z_off64_t **skip**
- int **seek**
- int **err**
- char * **msg**
- **z_stream strm**

6.381.1 Field Documentation

6.381.1.1 int gz_state::direct

6.381.1.2 int gz_state::eof

6.381.1.3 int gz_state::err

6.381.1.4 int gz_state::fd

6.381.1.5 unsigned gz_state::have

6.381.1.6 int gz_state::how

6.381.1.7 unsigned char* gz_state::in

6.381.1.8 int gz_state::level

6.381.1.9 int gz_state::mode

6.381.1.10 char* gz_state::msg

6.381.1.11 unsigned char* gz_state::next

6.381.1.12 unsigned char* gz_state::out

6.381.1.13 char* gz_state::path

6.381.1.14 z_off64_t gz_state::pos

6.381.1.15 z_off64_t gz_state::raw

6.381.1.16 int gz_state::seek

6.381.1.17 unsigned gz_state::size

6.381.1.18 z_off64_t gz_state::skip

6.381.1.19 z_off64_t gz_state::start

6.381.1.20 int gz_state::strategy

6.381.1.21 z_stream gz_state::strm

6.381.1.22 unsigned gz_state::want

The documentation for this struct was generated from the following file:

- src/main/decaf/internal/util/zip/**gzguts.h**

6.382 decaf::util::logging::Handler Class Reference

A **Handler** (p. 2042) object takes log messages from a **Logger** (p. 2461) and exports them.

`#include <src/main/decaf/util/logging/Handler.h>`

Inheritance diagram for decaf::util::logging::Handler:

Public Member Functions

- **Handler** ()
- virtual ∼**Handler** ()
- virtual void **flush** ()=0

  Flush the Handler's output, clears any buffers.

- virtual void **publish** (const **LogRecord** &record)=0

  *Publish the Log Record to this **Handler** (p. 2042).*

- virtual bool **isLoggable** (const **LogRecord** &record) const

  *Check if this **Handler** (p. 2042) would actually log a given **LogRecord** (p. 2487).*

- virtual void **setFilter** (**Filter** ∗filter)

  *Sets the **Filter** (p. 1949) that this **Handler** (p. 2042) uses to filter Log Records.*

- virtual **Filter** ∗ **getFilter** ()

  *Gets the **Filter** (p. 1949) that this **Handler** (p. 2042) uses to filter Log Records.*

- virtual void **setLevel** (const **Level** &value)

  ***Set** (p. 3538) the log level specifying which message levels will be logged by this **Handler** (p. 2042).*

- virtual **Level getLevel** ()

  *Get the log level specifying which message levels will be logged by this **Handler** (p. 2042).*

- virtual void **setFormatter** (**Formatter** ∗formatter)

  *Sets the **`Formatter`** (p. 2027) used by this **Handler** (p. 2042).*

- virtual **Formatter** ∗ **getFormatter** ()

  *Gets the **`Formatter`** (p. 2027) used by this **Handler** (p. 2042).*

- virtual void **setErrorManager** (**ErrorManager** ∗errorManager)

  *Sets the **`Formatter`** (p. 2027) used by this **Handler** (p. 2042).*

- virtual **ErrorManager** ∗ **getErrorManager** ()

  Gets the **`ErrorManager`** *(p. 1884) used by this* ***Handler*** *(p. 2042).*

Protected Member Functions

- void **reportError** (const std::string &message, **decaf::lang::Exception** ∗ex, int **code**)

  Protected convenience method to report an error to this Handler's ***ErrorManager*** *(p. 1884).*

6.382.1 Detailed Description

A **Handler** (p. 2042) object takes log messages from a **Logger** (p. 2461) and exports them. It might for example, write them to a console or write them to a file, or send them to a network logging service, or forward them to an OS log, or whatever.

A **Handler** (p. 2042) can be disabled by doing a setLevel(**Level.OFF** (p. 2408)) and can be re-enabled by doing a setLevel with an appropriate level.

Handler (p. 2042) classes typically use **LogManager** (p. 2480) properties to set default values for the Handler's **Filter** (p. 1949), **Formatter** (p. 2027), and **Level** (p. 2403). See the specific documentation for each concrete **Handler** (p. 2042) class.

6.382.2 Constructor & Destructor Documentation

6.382.2.1 decaf::util::logging::Handler::Handler ( )

6.382.2.2 virtual decaf::util::logging::Handler::∼Handler ( ) `[virtual]`

6.382.3 Member Function Documentation

6.382.3.1 virtual void decaf::util::logging::Handler::flush ( ) `[pure virtual]`

Flush the Handler's output, clears any buffers.

Implemented in **decaf::util::logging::StreamHandler** (p. 3759).

6.382.3.2 virtual ErrorManager∗ decaf::util::logging::Handler::getErrorManager ( ) `[inline, virtual]`

Gets the **`ErrorManager`** (p. 1884) used by this **Handler** (p. 2042).

Returns

`ErrorManager` (p. 1884) derived pointer or NULL.

6.382.3.3 virtual Filter* decaf::util::logging::Handler::getFilter ( ) [inline, virtual]

Gets the **Filter** (p. 1949) that this **Handler** (p. 2042) uses to filter Log Records.

Returns

Filter (p. 1949) derived instance

6.382.3.4 virtual Formatter* decaf::util::logging::Handler::getFormatter ( ) [inline, virtual]

Gets the **Formatter** (p. 2027) used by this **Handler** (p. 2042).

Returns

Filter (p. 1949) derived instance

6.382.3.5 virtual Level decaf::util::logging::Handler::getLevel ( ) [inline, virtual]

Get the log level specifying which message levels will be logged by this **Handler** (p. 2042).

Returns

Level (p. 2403) enumeration value

6.382.3.6 virtual bool decaf::util::logging::Handler::isLoggable (const LogRecord & *record*) const [virtual]

Check if this **Handler** (p. 2042) would actually log a given **LogRecord** (p. 2487).

This method checks if the **LogRecord** (p. 2487) has an appropriate **Level** (p. 2403) and whether it satisfies any **Filter** (p. 1949). It also may make other **Handler** (p. 2042) specific checks that might prevent a handler from logging the **LogRecord** (p. 2487).

Parameters

record	**LogRecord** (p. 2487) to check

Reimplemented in **decaf::util::logging::StreamHandler** (p. 3759).

6.382.3.7 virtual void decaf::util::logging::Handler::publish (const LogRecord & *record*) [pure virtual]

Publish the Log Record to this **Handler** (p. 2042).

Parameters

record	The Log Record to Publish

Implemented in **decaf::util::logging::ConsoleHandler** (p. 1441), and **decaf::util::logging::StreamHandler** (p. 3759).

6.382.3.8 void decaf::util::logging::Handler::reportError (const std::string & *message*, decaf::lang::Exception * *ex*, int *code*) [protected]

Protected convenience method to report an error to this Handler's **ErrorManager** (p. 1884).

Parameters

message	- a descriptive string (may be empty)
ex	- an exception (may be NULL)
code	- an error code defined in **ErrorManager** (p. 1884)

6.382.3.9 virtual void decaf::util::logging::Handler::setErrorManager (ErrorManager * *errorManager*) [virtual]

Sets the **Formatter** (p. 2027) used by this **Handler** (p. 2042).

The ErrorManager's "error" method will be invoked if any errors occur while using this **Handler** (p. 2042).

Parameters

errorManager	**ErrorManager** (p. 1884) derived instance

6.382.3.10 virtual void decaf::util::logging::Handler::setFilter (Filter * *filter*) [inline, virtual]

Sets the **Filter** (p. 1949) that this **Handler** (p. 2042) uses to filter Log Records.

For each call of publish the **Handler** (p. 2042) will call this **Filter** (p. 1949) (if it is non-null) to check if the **LogRecord** (p. 2487) should be published or discarded.

Parameters

filter	**Filter** (p. 1949) derived instance

6.382.3.11 virtual void decaf::util::logging::Handler::setFormatter (Formatter * *formatter*) [virtual]

Sets the **Formatter** (p. 2027) used by this **Handler** (p. 2042).

Some Handlers may not use Formatters, in which case the **Formatter** (p. 2027) will be remembered, but not used.

Parameters

formatter	**Filter** (p. 1949) derived instance

6.382.3.12 virtual void decaf::util::logging::Handler::setLevel (const Level & *value*) [inline, virtual]

Set (p. 3538) the log level specifying which message levels will be logged by this **Handler** (p. 2042).

The intention is to allow developers to turn on voluminous logging, but to limit the messages that are sent to certain Handlers.

Parameters

value	**Level** (p. 2403) enumeration value

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**Handler.h**

6.383 decaf::internal::util::HexStringParser Class Reference

```
#include <src/main/decaf/internal/util/HexStringParser.h>
```

Public Member Functions

- **HexStringParser** (int exponentWidth, int mantissaWidth)

  Create a new HexParser.

- virtual ~**HexStringParser** ()
- long long **parse** (const std::string &hexString)

  Parses a hex string using the specs given in the constructor and returns a long long with the bits of the parsed string, the caller can then convert those to a float or doulbe as needed.

Static Public Member Functions

- static double **parseDouble** (const std::string &hexString)

- static float **parseFloat** (const std::string &hexString)

6.383.1 Constructor & Destructor Documentation

6.383.1.1 decaf::internal::util::HexStringParser::HexStringParser (int *exponentWidth*, int *mantissaWidth*)

Create a new HexParser.

Parameters

exponentWidth	- Width of the exponent for the type to parse
mantissaWidth	- Width of the mantissa for the type to parse

6.383.1.2 virtual decaf::internal::util::HexStringParser::~HexStringParser ( ) [inline, virtual]

6.383.2 Member Function Documentation

6.383.2.1 long long decaf::internal::util::HexStringParser::parse (const std::string & *hexString*)

Parses a hex string using the specs given in the constructor and returns a long long with the bits of the parsed string, the caller can then convert those to a float or doulbe as needed.

Parameters

hexString	- string to parse

Returns

the bits parsed from the string

6.383.2.2 static double decaf::internal::util::HexStringParser::parseDouble (const std::string & *hexString*) [static]

6.383.2.3 static float decaf::internal::util::HexStringParser::parseFloat (const std::string & *hexString*) [static]

The documentation for this class was generated from the following file:

- src/main/decaf/internal/util/**HexStringParser.h**

6.384 activemq::wireformat::openwire::utils::HexTable Class Reference

The **HexTable** (p. 2048) class maps hexidecimal strings to the value of an index into the table, i.e.

```
#include <src/main/activemq/wireformat/openwire/utils/HexTable.h>
```

Public Member Functions

- **HexTable** ()
- virtual ~**HexTable** ()
- virtual const std::string & **operator[]** (std::size_t index) throw (decaf::lang::exceptions::IndexOutOfBoun)

  Index operator for this Table, will throw an exception if the index requested is out of bounds for this table.

- virtual const std::string & **operator[]** (std::size_t index) const throw (decaf::lang::exceptions::IndexOutOf)
- virtual std::size_t **size** () const

  Returns the max size of this Table.

6.384.1 Detailed Description

The **HexTable** (p. 2048) class maps hexidecimal strings to the value of an index into the table, i.e. the class will return "FF" for the index 255 in the table.

6.384.2 Constructor & Destructor Documentation

6.384.2.1 activemq::wireformat::openwire::utils::HexTable::HexTable ( )

6.384.2.2 virtual activemq::wireformat::openwire::utils::HexTable::~HexTable ( ) [inline, virtual]

6.384.3 Member Function Documentation

6.384.3.1 virtual const std::string& activemq::wireformat::openwire::utils::HexTable::operator[] (std::size_t *index*) throw (**decaf::lang::exceptions::IndexOutOfBoundsException**) [virtual]

Index operator for this Table, will throw an exception if the index requested is out of bounds for this table.

Parameters

index	The index of the value in the table to fetch.

Returns

string containing the hex value if the index

Exceptions

IndexOutOfBoundsException	

6.384.3.2 virtual const std::string& activemq::wireformat::openwire::utils::HexTable::operator[] (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

6.384.3.3 virtual std::size_t activemq::wireformat::openwire::utils::HexTable::size ( ) const [inline, virtual]

Returns the max size of this Table.

Returns

an integer size value

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/utils/**HexTable.h**

6.385 decaf::net::HttpRetryException Class Reference

`#include <src/main/decaf/net/HttpRetryException.h>`

Inheritance diagram for decaf::net::HttpRetryException:

Public Member Functions

- **HttpRetryException** () throw ()

  Default Constructor.

- **HttpRetryException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **HttpRetryException** (const **HttpRetryException** &ex) throw ()

  Copy Constructor.

- **HttpRetryException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **HttpRetryException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **HttpRetryException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **HttpRetryException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**HttpRetryException** () throw ()

6.385.1 Constructor & Destructor Documentation

6.385.1.1 decaf::net::HttpRetryException::HttpRetryException ( ) throw () [inline]

Default Constructor.

6.385.1.2 decaf::net::HttpRetryException::HttpRetryException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.385.1.3 decaf::net::HttpRetryException::HttpRetryException (const HttpRetryException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.385.1.4 decaf::net::HttpRetryException::HttpRetryException (const char ∗ *file*, const int *lineNumber*, const std::exception ∗ *cause*, const char ∗ *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.385.1.5 decaf::net::HttpRetryException::HttpRetryException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.385.1.6 decaf::net::HttpRetryException::HttpRetryException (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.385.1.7 virtual decaf::net::HttpRetryException::~HttpRetryException ( ) throw () [inline, virtual]

6.385.2 Member Function Documentation

6.385.2.1 virtual HttpRetryException* decaf::net::HttpRetryException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new Exception instance that is a copy of this Exception object.

Reimplemented from **decaf::io::IOException** (p. 2212).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**HttpRetryException.h**

6.386 activemq::util::IdGenerator Class Reference

```
#include <src/main/activemq/util/IdGenerator.h>
```

Data Structures

- class **StaticData**

Public Member Functions

- **IdGenerator** ()
- **IdGenerator** (const std::string &prefix)
- virtual ~**IdGenerator** ()
- std::string **generateId** () const

Static Public Member Functions

- static std::string **getHostname** ()

  Since the initialization of this object results in the retrieval of the machine's host name we can quickly return it here.

- static std::string **getSeedFromId** (const std::string &id)

  Gets the seed value from a Generated Id, the count portion is removed.

- static long long **getSequenceFromId** (const std::string &id)

  Gets the count value from a Generated Id, the seed portion is removed.

- static int **compare** (const std::string &id1, const std::string &id2)

  Compares two generated id values.

6.386.1 Constructor & Destructor Documentation

6.386.1.1 activemq::util::IdGenerator::IdGenerator ( )

6.386.1.2 activemq::util::IdGenerator::IdGenerator (const std::string & *prefix*)

6.386.1.3 virtual activemq::util::IdGenerator::∼IdGenerator ( ) [virtual]

6.386.2 Member Function Documentation

6.386.2.1 static int activemq::util::IdGenerator::compare (const std::string & *id1*, const std::string & *id2*) [static]

Compares two generated id values.

Parameters

id1	The first id to compare, or left hand side.
id2	The second id to compare, or right hand side.

Returns

zero if ids are equal or positove if id1 > id2...

6.386.2.2 std::string activemq::util::IdGenerator::generateId ( ) const

Returns

a newly generated unique id.

6.386.2.3 static std::string activemq::util::IdGenerator::getHostname ( ) [static]

Since the initialization of this object results in the retrieval of the machine's host name we can quickly return it here.

Returns

the previously retrieved host name.

6.386.2.4 static std::string activemq::util::IdGenerator::getSeedFromId (const std::string & *id*) [static]

Gets the seed value from a Generated Id, the count portion is removed.

Returns

the seed portion of the Id, minus the count value.

6.386.2.5 static long long activemq::util::IdGenerator::getSequenceFromId (const std::string & *id*) [static]

Gets the count value from a Generated Id, the seed portion is removed.

Returns

the sequence count portion of the id, minus the seed value.

The documentation for this class was generated from the following file:

- src/main/activemq/util/**IdGenerator.h**

6.387 decaf::lang::exceptions::IllegalArgumentException Class Reference

`#include <src/main/decaf/lang/exceptions/IllegalArgumentException.h>`

Inheritance diagram for decaf::lang::exceptions::IllegalArgumentException:

Public Member Functions

- **IllegalArgumentException** () throw ()
  Default Constructor.
- **IllegalArgumentException** (const **Exception** &ex) throw ()
  *Conversion Constructor from some other **Exception*** (p. *1886).*
- **IllegalArgumentException** (const **IllegalArgumentException** &ex) throw ()
  Copy Constructor.
- **IllegalArgumentException** (const std::exception ∗**cause**) throw ()
  Constructor.
- **IllegalArgumentException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()
  Constructor - Initializes the file name and line number where this message occurred.
- **IllegalArgumentException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()
  Constructor - Initializes the file name and line number where this message occurred.
- virtual **IllegalArgumentException** ∗ **clone** () const
  Clones this exception.
- virtual ∼**IllegalArgumentException** () throw ()

6.387.1 Constructor & Destructor Documentation

6.387.1.1 decaf::lang::exceptions::IllegalArgumentException::IllegalArgumentException ( ) throw () [inline]

Default Constructor.

6.387.1.2 decaf::lang::exceptions::IllegalArgumentException::IllegalArgumentException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other **Exception** (p. 1886).

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.387.1.3 decaf::lang::exceptions::IllegalArgumentException::IllegalArgumentException (const IllegalArgumentException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.387.1.4 decaf::lang::exceptions::IllegalArgumentException::IllegalArgumentException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.387.1.5 decaf::lang::exceptions::IllegalArgumentException::IllegalArgumentException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report

...	list of primitives that are formatted into the message

6.387.1.6 decaf::lang::exceptions::IllegalArgumentException::IllegalArgumentException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.387.1.7 virtual decaf::lang::exceptions::IllegalArgumentException::~IllegalArgumentException ( ) throw () [inline, virtual]

6.387.2 Member Function Documentation

6.387.2.1 virtual IllegalArgumentException* decaf::lang::exceptions::IllegalArgumentException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

an new **Exception** (p. 1886) instance that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/exceptions/**IllegalArgumentException.h**

6.388 decaf::lang::exceptions::IllegalMonitorStateException Class Reference

```
#include <src/main/decaf/lang/exceptions/IllegalMonitorStateException.h>
```

Inheritance diagram for decaf::lang::exceptions::IllegalMonitorStateException:

Public Member Functions

- **IllegalMonitorStateException** () throw ()

  Default Constructor.

- **IllegalMonitorStateException** (const **Exception** &ex) throw ()

  *Conversion Constructor from some other **Exception** (p. 1886).*

- **IllegalMonitorStateException** (const **IllegalMonitorStateException** &ex) throw ()

  Copy Constructor.

- **IllegalMonitorStateException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **IllegalMonitorStateException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **IllegalMonitorStateException** (const std::exception ∗**cause**) throw ()

  Constructor.

- virtual **IllegalMonitorStateException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**IllegalMonitorStateException** () throw ()

6.388.1 Constructor & Destructor Documentation

6.388.1.1 decaf::lang::exceptions::IllegalMonitorStateException::IllegalMonitorStateException ( ) throw () [inline]

Default Constructor.

6.388.1.2 decaf::lang::exceptions::IllegalMonitorStateException::IllegalMonitorStateException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other **Exception** (p. 1886).

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.388.1.3 decaf::lang::exceptions::IllegalMonitorStateException::IllegalMonitorStateException (const IllegalMonitorStateException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.388.1.4 decaf::lang::exceptions::IllegalMonitorStateException::IllegalMonitorStateException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.388.1.5 decaf::lang::exceptions::IllegalMonitorStateException::IllegalMonitorStateException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.388.1.6 decaf::lang::exceptions::IllegalMonitorStateException::IllegalMonitorStateException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.388.1.7 virtual decaf::lang::exceptions::IllegalMonitorStateException::~IllegalMonitorStateException ( ) throw () [inline, virtual]

6.388.2 Member Function Documentation

6.388.2.1 virtual IllegalMonitorStateException* decaf::lang::exceptions::IllegalMonitorStateException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

an new **Exception** (p. 1886) instance that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/exceptions/**IllegalMonitorStateException.h**

6.389 cms::IllegalStateException Class Reference

This exception is thrown when a method is invoked at an illegal or inappropriate time or if the provider is not in an appropriate state for the requested operation.

`#include <src/main/cms/IllegalStateException.h>`

Inheritance diagram for cms::IllegalStateException:

Public Member Functions

- **IllegalStateException** () throw ()
- **IllegalStateException** (const **IllegalStateException** &ex) throw ()
- **IllegalStateException** (const std::string &message, const std::exception *cause) throw ()
- **IllegalStateException** (const std::string &message, const std::exception *cause, const std::vector< std::pair< std::string, int > > &stackTrace) throw ()
- virtual ~**IllegalStateException** () throw ()

6.389.1 Detailed Description

This exception is thrown when a method is invoked at an illegal or inappropriate time or if the provider is not in an appropriate state for the requested operation. For example,

this exception must be thrown if **Session.commit** (p. 3465) is called on a non-transacted session.

Since

1.3

6.389.2 Constructor & Destructor Documentation

6.389.2.1 cms::IllegalStateException::IllegalStateException ( ) throw ()

6.389.2.2 cms::IllegalStateException::IllegalStateException (const IllegalStateException & *ex*) throw ()

6.389.2.3 cms::IllegalStateException::IllegalStateException (const std::string & *message,* const std::exception ∗ *cause*) throw ()

6.389.2.4 cms::IllegalStateException::IllegalStateException (const std::string & *message,* const std::exception ∗ *cause,* const std::vector< std::pair< std::string, int > > & *stackTrace*) throw ()

6.389.2.5 virtual cms::IllegalStateException::∼IllegalStateException ( ) throw ()

`[virtual]`

The documentation for this class was generated from the following file:

- src/main/cms/**IllegalStateException.h**

6.390 decaf::lang::exceptions::IllegalStateException Class Reference

`#include <src/main/decaf/lang/exceptions/IllegalStateException.h>`

Inheritance diagram for decaf::lang::exceptions::IllegalStateException:

Public Member Functions

- **IllegalStateException** () throw ()

  Default Constructor.

- **IllegalStateException** (const **Exception** &ex) throw ()

  *Conversion Constructor from some other **Exception*** (p. *1886).*

- **IllegalStateException** (const **IllegalStateException** &ex) throw ()

  Copy Constructor.

- **IllegalStateException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occured.

- **IllegalStateException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **IllegalStateException** (const std::exception ∗**cause**) throw ()

  Constructor.

- virtual **IllegalStateException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**IllegalStateException** () throw ()

6.390.1 Constructor & Destructor Documentation

6.390.1.1 decaf::lang::exceptions::IllegalStateException::IllegalStateException ( ) throw () [inline]

Default Constructor.

6.390.1.2 decaf::lang::exceptions::IllegalStateException::IllegalStateException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other **Exception** (p. 1886).

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.390.1.3 decaf::lang::exceptions::IllegalStateException::IllegalStateException (const IllegalStateException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.390.1.4 decaf::lang::exceptions::IllegalStateException::IllegalStateException (const char ∗ *file,* const int *lineNumber,* const char ∗ *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occured.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.390.1.5 decaf::lang::exceptions::IllegalStateException::IllegalStateException (const char * *file,* const int *lineNumber,* const std::exception * *cause,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.390.1.6 decaf::lang::exceptions::IllegalStateException::IllegalStateException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.390.1.7 virtual decaf::lang::exceptions::IllegalStateException::~IllegalStateException ( ) throw () [inline, virtual]

6.390.2 Member Function Documentation

6.390.2.1 virtual IllegalStateException* decaf::lang::exceptions::IllegalStateException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

an new **Exception** (p. 1886) instance that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

Reimplemented in **decaf::nio::InvalidMarkException** (p. 2206).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/exceptions/**IllegalStateException.h**

6.391 decaf::lang::exceptions::IllegalThreadStateException Class Reference

`#include <src/main/decaf/lang/exceptions/IllegalThreadStateException.h>`

Inheritance diagram for decaf::lang::exceptions::IllegalThreadStateException:

Public Member Functions

- **IllegalThreadStateException** () throw ()

  Default Constructor.

- **IllegalThreadStateException** (const **Exception** &ex) throw ()

  *Conversion Constructor from some other **Exception** (p. 1886).*

- **IllegalThreadStateException** (const **IllegalThreadStateException** &ex) throw ()

  Copy Constructor.

- **IllegalThreadStateException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occured.

- **IllegalThreadStateException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **IllegalThreadStateException** (const std::exception ∗**cause**) throw ()

  Constructor.

- virtual **IllegalThreadStateException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**IllegalThreadStateException** () throw ()

6.391.1 Constructor & Destructor Documentation

6.391.1.1 decaf::lang::exceptions::IllegalThreadStateException::IllegalThreadStateException ( ) throw () [inline]

Default Constructor.

6.391.1.2 decaf::lang::exceptions::IllegalThreadStateException::IllegalThreadStateException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other **Exception** (p. 1886).

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.391.1.3 decaf::lang::exceptions::IllegalThreadStateException::IllegalThreadStateException (const IllegalThreadStateException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.391.1.4 decaf::lang::exceptions::IllegalThreadStateException::IllegalThreadStateException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occured.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.391.1.5 decaf::lang::exceptions::IllegalThreadStateException::IllegalThreadStateException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.391.1.6 decaf::lang::exceptions::IllegalThreadStateException::IllegalThreadStateException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.391.1.7 virtual decaf::lang::exceptions::IllegalThreadStateException::~IllegalThreadStateException ( ) throw () [inline, virtual]

6.391.2 Member Function Documentation

6.391.2.1 virtual IllegalThreadStateException* decaf::lang::exceptions::IllegalThreadStateException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

an new **Exception** (p. 1886) instance that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/exceptions/**IllegalThreadStateException.h**

6.392 activemq::transport::inactivity::InactivityMonitor Class Reference

```
#include <src/main/activemq/transport/inactivity/InactivityMonitor.h>
```

Inheritance diagram for activemq::transport::inactivity::InactivityMonitor:

Public Member Functions

- **InactivityMonitor** (const **Pointer**< **Transport** > &**next**, const **Pointer**< **wireformat::WireFormat** > &wireFormat)
- **InactivityMonitor** (const **Pointer**< **Transport** > &**next**, const **decaf::util::Properties** &properties, const **Pointer**< **wireformat::WireFormat** > &wireFormat)
- virtual ~**InactivityMonitor** ()
- virtual void **close** () throw (decaf::io::IOException)

  Stops the polling thread and closes the streams.

- virtual void **onException** (const **decaf::lang::Exception** &ex)

  Event handler for an exception from a command transport.

- virtual void **onCommand** (const **Pointer**< **Command** > &command)

  Event handler for the receipt of a command.

- virtual void **oneway** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends a one-way command.

- bool **isKeepAliveResponseRequired** () const
- void **setKeepAliveResponseRequired** (bool value)
- long long **getReadCheckTime** () const
- void **setReadCheckTime** (long long value)
- long long **getWriteCheckTime** () const
- void **setWriteCheckTime** (long long value)
- long long **getInitialDelayTime** () const
- void **setInitialDelayTime** (long long value) const

Friends

- class **ReadChecker**
- class **AsyncSignalReadErrorkTask**
- class **WriteChecker**
- class **AsyncWriteTask**

6.392.1 Constructor & Destructor Documentation

6.392.1.1 activemq::transport::inactivity::InactivityMonitor::InactivityMonitor (const Pointer< Transport > & *next,* const Pointer< wireformat::WireFormat > & *wireFormat*)

6.392.1.2 activemq::transport::inactivity::InactivityMonitor::InactivityMonitor (const Pointer< Transport > & *next,* const decaf::util::Properties & *properties,* const Pointer< wireformat::WireFormat > & *wireFormat*)

6.392.1.3 virtual activemq::transport::inactivity::InactivityMonitor::~InactivityMonitor ( ) [virtual]

6.392.2 Member Function Documentation

6.392.2.1 virtual void activemq::transport::inactivity::InactivityMonitor::close ( ) throw (decaf::io::IOException) [virtual]

Stops the polling thread and closes the streams.

This can be called explicitly, but is also called in the destructor. Once this object has been closed, it cannot be restarted.

Exceptions

IOException	if an error occurs while closing the **Transport** (p. 3996).

Reimplemented from **activemq::transport::TransportFilter** (p. 4007).

6.392.2.2 long long activemq::transport::inactivity::InactivityMonitor::getInitialDelayTime ( ) const

6.392.2.3 long long activemq::transport::inactivity::InactivityMonitor::getReadCheckTime ( ) const

6.392.2.4 long long activemq::transport::inactivity::InactivityMonitor::getWriteCheckTime ( ) const

6.392.2.5 bool activemq::transport::inactivity::InactivityMonitor::isKeepAliveResponseRequired ( ) const

6.392.2.6 virtual void activemq::transport::inactivity::InactivityMonitor::onCommand (const Pointer< Command > & *command*) [virtual]

Event handler for the receipt of a command.

Parameters

command	- the received command object.

Reimplemented from **activemq::transport::TransportFilter** (p. 4009).

6.392.2.7 virtual void activemq::transport::inactivity::InactivityMonitor::oneway (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends a one-way command.

Does not wait for any response from the broker.

Parameters

command	the command to be sent.

Exceptions

IOException	if an exception occurs during writing of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Reimplemented from **activemq::transport::TransportFilter** (p. 4010).

6.392.2.8 virtual void activemq::transport::inactivity::InactivityMonitor::onException (const decaf::lang::Exception & *ex*) [virtual]

Event handler for an exception from a command transport.

Parameters

ex	The exception to handle.

Reimplemented from **activemq::transport::TransportFilter** (p. 4010).

6.392.2.9 void activemq::transport::inactivity::InactivityMonitor::setInitialDelayTime (long long *value*) const

6.392.2.10 void activemq::transport::inactivity::InactivityMonitor::setKeepAliveResponseRequired (bool *value*)

6.392.2.11 void activemq::transport::inactivity::InactivityMonitor::setReadCheckTime (long long *value*)

6.392.2.12 void activemq::transport::inactivity::InactivityMonitor::setWriteCheckTime (long long *value*)

6.392.3 Friends And Related Function Documentation

6.392.3.1 friend class AsyncSignalReadErrorkTask [friend]

6.392.3.2 friend class AsyncWriteTask [friend]

6.392.3.3 friend class ReadChecker [friend]

6.392.3.4 friend class WriteChecker [friend]

The documentation for this class was generated from the following file:

- src/main/activemq/transport/inactivity/**InactivityMonitor.h**

6.393 decaf::lang::exceptions::IndexOutOfBoundsException Class Reference

`#include <src/main/decaf/lang/exceptions/IndexOutOfBoundsException.h>`

Inheritance diagram for decaf::lang::exceptions::IndexOutOfBoundsException:

Public Member Functions

- **IndexOutOfBoundsException** () throw ()

  Default Constructor.

- **IndexOutOfBoundsException** (const **Exception** &ex) throw ()

  *Conversion Constructor from some other **Exception*** (p. *1886).*

- **IndexOutOfBoundsException** (const **IndexOutOfBoundsException** &ex) throw ()

  Copy Constructor.

- **IndexOutOfBoundsException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **IndexOutOfBoundsException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **IndexOutOfBoundsException** (const std::exception ∗**cause**) throw ()

  Constructor.

- virtual **IndexOutOfBoundsException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**IndexOutOfBoundsException** () throw ()

6.393.1 Constructor & Destructor Documentation

6.393.1.1 decaf::lang::exceptions::IndexOutOfBoundsException::IndexOutOfBoundsException ( ) throw () [inline]

Default Constructor.

6.393.1.2 decaf::lang::exceptions::IndexOutOfBoundsException::IndexOutOfBoundsException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other **Exception** (p. 1886).

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.393.1.3 decaf::lang::exceptions::IndexOutOfBoundsException::IndexOutOfBoundsException (const IndexOutOfBoundsException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.393.1.4 decaf::lang::exceptions::IndexOutOfBoundsException::IndexOutOfBoundsException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.393.1.5 decaf::lang::exceptions::IndexOutOfBoundsException::IndexOutOfBoundsException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.393.1.6 decaf::lang::exceptions::IndexOutOfBoundsException::IndexOutOfBoundsException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.393.1.7 virtual decaf::lang::exceptions::IndexOutOfBoundsException::~IndexOutOfBoundsException ( ) throw () [inline, virtual]

6.393.2 Member Function Documentation

6.393.2.1 virtual IndexOutOfBoundsException* decaf::lang::exceptions::IndexOutOfBoundsException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

an new **Exception** (p. 1886) instance that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/exceptions/**IndexOutOfBoundsException.h**

6.394 decaf::net::Inet4Address Class Reference

`#include <src/main/decaf/net/Inet4Address.h>`

Inheritance diagram for decaf::net::Inet4Address:

Public Member Functions

- virtual ~**Inet4Address** ()
- virtual bool **isAnyLocalAddress** () const

  *Check if this **InetAddress** (p. 2077) is a valid wildcard address.*

- virtual bool **isLoopbackAddress** () const

  *Check if this **InetAddress** (p. 2077) is a valid loopback address.*

- virtual bool **isMulticastAddress** () const

  *Check if this **InetAddress** (p. 2077) is a valid Multicast address.*

- virtual bool **isLinkLocalAddress** () const

  *Check if this **InetAddress** (p. 2077) is a valid link local address.*

- virtual bool **isSiteLocalAddress** () const

*Check if this **InetAddress** (p. 2077) is a valid site local address.*

- virtual bool **isMCGlobal** () const

  *Check if this **InetAddress** (p. 2077) is Multicast and has Global scope.*

- virtual bool **isMCNodeLocal** () const

  *Check if this **InetAddress** (p. 2077) is Multicast and has Node Local scope.*

- virtual bool **isMCLinkLocal** () const

  *Check if this **InetAddress** (p. 2077) is Multicast and has Link Local scope.*

- virtual bool **isMCSiteLocal** () const

  *Check if this **InetAddress** (p. 2077) is Multicast and has Site Local scope.*

- virtual bool **isMCOrgLocal** () const

  *Check if this **InetAddress** (p. 2077) is Multicast and has Organization scope.*

Protected Member Functions

- **Inet4Address** ()
- **Inet4Address** (const unsigned char ∗ipAddress, int numBytes)
- **Inet4Address** (const std::string &**hostname**, const unsigned char ∗ipAddress, int numBytes)

Friends

- class **InetAddress**

6.394.1 Constructor & Destructor Documentation

6.394.1.1 decaf::net::Inet4Address::Inet4Address ( ) [protected]

6.394.1.2 decaf::net::Inet4Address::Inet4Address (const unsigned char ∗ *ipAddress,* int *numBytes*) [protected]

6.394.1.3 decaf::net::Inet4Address::Inet4Address (const std::string & *hostname,* const unsigned char ∗ *ipAddress,* int *numBytes*) [protected]

6.394.1.4 virtual decaf::net::Inet4Address::∼Inet4Address ( ) [virtual]

6.394.2 Member Function Documentation

6.394.2.1 virtual bool decaf::net::Inet4Address::isAnyLocalAddress ( ) const [virtual]

Check if this **InetAddress** (p. 2077) is a valid wildcard address.

Returns

true if the address is a wildcard address.

Reimplemented from **decaf::net::InetAddress** (p. 2082).

6.394.2.2 virtual bool decaf::net::Inet4Address::isLinkLocalAddress ( ) const [virtual]

Check if this **InetAddress** (p. 2077) is a valid link local address.

Returns

true if the address is a link local address.

Reimplemented from **decaf::net::InetAddress** (p. 2082).

6.394.2.3 virtual bool decaf::net::Inet4Address::isLoopbackAddress ( ) const [virtual]

Check if this **InetAddress** (p. 2077) is a valid loopback address.

Returns

true if the address is a loopback address.

Reimplemented from **decaf::net::InetAddress** (p. 2083).

6.394.2.4 virtual bool decaf::net::Inet4Address::isMCGlobal ( ) const [virtual]

Check if this **InetAddress** (p. 2077) is Multicast and has Global scope.

Returns

true if the address is Multicast and has Global scope.

Reimplemented from **decaf::net::InetAddress** (p. 2083).

6.394.2.5 virtual bool decaf::net::Inet4Address::isMCLinkLocal ( ) const [virtual]

Check if this **InetAddress** (p. 2077) is Multicast and has Link Local scope.

Returns

true if the address is Multicast and has Link Local scope.

Reimplemented from **decaf::net::InetAddress** (p. 2083).

6.394.2.6 virtual bool decaf::net::Inet4Address::isMCNodeLocal ( ) const [virtual]

Check if this **InetAddress** (p. 2077) is Multicast and has Node Local scope.

Returns

true if the address is Multicast and has Node Local scope.

Reimplemented from **decaf::net::InetAddress** (p. 2083).

6.394.2.7 virtual bool decaf::net::Inet4Address::isMCOrgLocal ( ) const [virtual]

Check if this **InetAddress** (p. 2077) is Multicast and has Organization scope.

Returns

true if the address is Multicast and has Organization scope.

Reimplemented from **decaf::net::InetAddress** (p. 2083).

6.394.2.8 virtual bool decaf::net::Inet4Address::isMCSiteLocal ( ) const [virtual]

Check if this **InetAddress** (p. 2077) is Multicast and has Site Local scope.

Returns

true if the address is Multicast and has Site Local scope.

Reimplemented from **decaf::net::InetAddress** (p. 2084).

6.394.2.9 virtual bool decaf::net::Inet4Address::isMulticastAddress ( ) const [virtual]

Check if this **InetAddress** (p. 2077) is a valid Multicast address.

Returns

true if the address is a Multicast address.

Reimplemented from **decaf::net::InetAddress** (p. 2084).

6.394.2.10 virtual bool decaf::net::Inet4Address::isSiteLocalAddress ( ) const [virtual]

Check if this **InetAddress** (p. 2077) is a valid site local address.

Returns

true if the address is a site local address.

Reimplemented from **decaf::net::InetAddress** (p. 2084).

6.394.3 Friends And Related Function Documentation

6.394.3.1 friend class **InetAddress** `[friend]`

The documentation for this class was generated from the following file:

- src/main/decaf/net/**Inet4Address.h**

6.395 decaf::net::Inet6Address Class Reference

`#include <src/main/decaf/net/Inet6Address.h>`

Inheritance diagram for decaf::net::Inet6Address:

Public Member Functions

- virtual ~**Inet6Address** ()

Protected Member Functions

- **Inet6Address** ()
- **Inet6Address** (const unsigned char *ipAddress, int numBytes)
- **Inet6Address** (const std::string &**hostname**, const unsigned char *ipAddress, int numBytes)

Friends

- class **InetAddress**

6.395.1 Constructor & Destructor Documentation

6.395.1.1 decaf::net::Inet6Address::Inet6Address ( ) [protected]

6.395.1.2 decaf::net::Inet6Address::Inet6Address (const unsigned char * *ipAddress*, int *numBytes*) [protected]

6.395.1.3 decaf::net::Inet6Address::Inet6Address (const std::string & *hostname*, const unsigned char * *ipAddress*, int *numBytes*) [protected]

6.395.1.4 virtual decaf::net::Inet6Address::~Inet6Address ( ) [virtual]

6.395.2 Friends And Related Function Documentation

6.395.2.1 friend class InetAddress [friend]

The documentation for this class was generated from the following file:

- src/main/decaf/net/**Inet6Address.h**

6.396 decaf::net::InetAddress Class Reference

Represents an IP address.

`#include <src/main/decaf/net/InetAddress.h>`

Inheritance diagram for decaf::net::InetAddress:

Public Member Functions

- virtual ~**InetAddress** ()
- virtual **decaf::lang::ArrayPointer**< unsigned char > **getAddress** () const

  Returns the Raw IP address in Network byte order.

- virtual std::string **getHostAddress** () const

  Returns a textual representation of the IP Address.

- virtual std::string **getHostName** () const

  *Get the host name associated with this **InetAddress** (p. 2077) instance.*

- virtual std::string **toString** () const

  *Returns a string representation of the **InetAddress** (p. 2077) in the form 'hostname / ipaddress'.*

- virtual bool **isAnyLocalAddress** () const

*Check if this **InetAddress** (p. 2077) is a valid wildcard address.*

- virtual bool **isLoopbackAddress** () const

  *Check if this **InetAddress** (p. 2077) is a valid loopback address.*

- virtual bool **isMulticastAddress** () const

  *Check if this **InetAddress** (p. 2077) is a valid Multicast address.*

- virtual bool **isLinkLocalAddress** () const

  *Check if this **InetAddress** (p. 2077) is a valid link local address.*

- virtual bool **isSiteLocalAddress** () const

  *Check if this **InetAddress** (p. 2077) is a valid site local address.*

- virtual bool **isMCGlobal** () const

  *Check if this **InetAddress** (p. 2077) is Multicast and has Global scope.*

- virtual bool **isMCNodeLocal** () const

  *Check if this **InetAddress** (p. 2077) is Multicast and has Node Local scope.*

- virtual bool **isMCLinkLocal** () const

  *Check if this **InetAddress** (p. 2077) is Multicast and has Link Local scope.*

- virtual bool **isMCSiteLocal** () const

  *Check if this **InetAddress** (p. 2077) is Multicast and has Site Local scope.*

- virtual bool **isMCOrgLocal** () const

  *Check if this **InetAddress** (p. 2077) is Multicast and has Organization scope.*

Static Public Member Functions

- static **InetAddress getByAddress** (const unsigned char *bytes, int numBytes)

  *Given a raw IP Address in byte array form, create and return a new **InetAddress** (p. 2077) instance.*

- static **InetAddress getByAddress** (const std::string &**hostname**, const unsigned char *bytes, int numBytes)

  *Given a host name and IPAddress return a new **InetAddress** (p. 2077).*

- static **InetAddress getLocalHost** ()

  *Gets an **InetAddress** (p. 2077) that is the local host address.*

Protected Member Functions

- **InetAddress** ()
- **InetAddress** (const unsigned char ∗ipAddress, int numBytes)
- **InetAddress** (const std::string &**hostname**, const unsigned char ∗ipAddress, int numBytes)

Static Protected Member Functions

- static unsigned int **bytesToInt** (const unsigned char ∗bytes, int start)

  Converts the bytes in an address array to an int starting from the value start treating the start value as the high order byte.

- static **InetAddress getAnyAddress** ()
- static **InetAddress getLoopbackAddress** ()

Protected Attributes

- std::string **hostname**
- bool **reached**
- **decaf::lang::ArrayPointer**< unsigned char > **addressBytes**

Static Protected Attributes

- static const unsigned char **loopbackBytes** [4]
- static const unsigned char **anyBytes** [4]

6.396.1 Detailed Description

Represents an IP address.

Since

1.0

6.396.2 Constructor & Destructor Documentation

6.396.2.1 decaf::net::InetAddress::InetAddress ( ) [protected]

6.396.2.2 decaf::net::InetAddress::InetAddress (const unsigned char * *ipAddress*, int *numBytes*) [protected]

6.396.2.3 decaf::net::InetAddress::InetAddress (const std::string & *hostname*, const unsigned char * *ipAddress*, int *numBytes*) [protected]

6.396.2.4 virtual decaf::net::InetAddress::~InetAddress ( ) [virtual]

6.396.3 Member Function Documentation

6.396.3.1 static unsigned int decaf::net::InetAddress::bytesToInt (const unsigned char * *bytes*, int *start*) [static, protected]

Converts the bytes in an address array to an int starting from the value start treating the start value as the high order byte.

Parameters

bytes	The array of bytes to convert to an int.
start	The index in the array to treat as the high order byte.

Returns

an unsigned int that represents the address value.

6.396.3.2 virtual decaf::lang::ArrayPointer<unsigned char> decaf::net::InetAddress::getAddress ( ) const [virtual]

Returns the Raw IP address in Network byte order.

The returned address is a copy of the bytes contained in this **InetAddress** (p. 2077).

Returns

and ArrayPointer containing the raw bytes of the network address.

6.396.3.3 static InetAddress decaf::net::InetAddress::getAnyAddress ( ) [static, protected]

6.396.3.4 static InetAddress decaf::net::InetAddress::getByAddress (const std::string & *hostname*, const unsigned char * *bytes*, int *numBytes*) [static]

Given a host name and IPAddress return a new **InetAddress** (p. 2077).

There is no name service checking or address validation done on the provided host name. The host name can either be machine name or the text based representation of the IP Address.

An IPV4 address must be only four bytes in length and an IPV6 address must be 16 bytes in length.

Returns

a copy of an **InetAddress** (p. 2077) that represents the given byte array address.

Exceptions

UnknownHostException (p. *4019*)	if the address array length is invalid.

6.396.3.5 static InetAddress decaf::net::InetAddress::getByAddress (const unsigned char * *bytes*, int *numBytes*) [static]

Given a raw IP Address in byte array form, create and return a new **InetAddress** (p. 2077) instance.

An IPV4 address must be only four bytes in length and an IPV6 address must be 16 bytes in length.

Returns

a copy of an **InetAddress** (p. 2077) that represents the given byte array address.

Exceptions

UnknownHostException (p. *4019*)	if the address array length is invalid.

6.396.3.6 virtual std::string decaf::net::InetAddress::getHostAddress ( ) const [virtual]

Returns a textual representation of the IP Address.

Returns

the string form of the IP Address.

6.396.3.7 virtual std::string decaf::net::InetAddress::getHostName ( ) const [virtual]

Get the host name associated with this **InetAddress** (p. 2077) instance.

If a host name was set upon construction then that value is returned, otherwise a reverse name lookup with be performed to attempt to get the host name associated with the set IP Address. If the host name cannot be resolved the textual representation of the IP Address is returned instead.

Returns

the name of the host associated with this set IP Address.

6.396.3.8 static InetAddress decaf::net::InetAddress::getLocalHost ( ) [static]

Gets an **InetAddress** (p. 2077) that is the local host address.

If the localhost value cannot be resolved than the **InetAddress** (p. 2077) for Loopback is returned.

Returns

a new **InetAddress** (p. 2077) object that contains the local host address.

Exceptions

UnknownHostException *(p. 4019)*	if the address for local host is not found.

6.396.3.9 static InetAddress decaf::net::InetAddress::getLoopbackAddress ( ) [static, protected]

6.396.3.10 virtual bool decaf::net::InetAddress::isAnyLocalAddress ( ) const [inline, virtual]

Check if this **InetAddress** (p. 2077) is a valid wildcard address.

Returns

true if the address is a wildcard address.

Reimplemented in **decaf::net::Inet4Address** (p. 2073).

6.396.3.11 virtual bool decaf::net::InetAddress::isLinkLocalAddress ( ) const [inline, virtual]

Check if this **InetAddress** (p. 2077) is a valid link local address.

Returns

true if the address is a link local address.

Reimplemented in **decaf::net::Inet4Address** (p. 2074).

6.396.3.12 virtual bool decaf::net::InetAddress::isLoopbackAddress ( ) const [inline, virtual]

Check if this **InetAddress** (p. 2077) is a valid loopback address.

Returns

true if the address is a loopback address.

Reimplemented in **decaf::net::Inet4Address** (p. 2074).

6.396.3.13 virtual bool decaf::net::InetAddress::isMCGlobal ( ) const [inline, virtual]

Check if this **InetAddress** (p. 2077) is Multicast and has Global scope.

Returns

true if the address is Multicast and has Global scope.

Reimplemented in **decaf::net::Inet4Address** (p. 2074).

6.396.3.14 virtual bool decaf::net::InetAddress::isMCLinkLocal ( ) const [inline, virtual]

Check if this **InetAddress** (p. 2077) is Multicast and has Link Local scope.

Returns

true if the address is Multicast and has Link Local scope.

Reimplemented in **decaf::net::Inet4Address** (p. 2074).

6.396.3.15 virtual bool decaf::net::InetAddress::isMCNodeLocal ( ) const [inline, virtual]

Check if this **InetAddress** (p. 2077) is Multicast and has Node Local scope.

Returns

true if the address is Multicast and has Node Local scope.

Reimplemented in **decaf::net::Inet4Address** (p. 2075).

6.396.3.16 virtual bool decaf::net::InetAddress::isMCOrgLocal ( ) const [inline, virtual]

Check if this **InetAddress** (p. 2077) is Multicast and has Organization scope.

Returns

true if the address is Multicast and has Organization scope.

Reimplemented in **decaf::net::Inet4Address** (p. 2075).

6.396.3.17 virtual bool decaf::net::InetAddress::isMCSiteLocal ( ) const [inline, virtual]

Check if this **InetAddress** (p. 2077) is Multicast and has Site Local scope.

Returns

true if the address is Multicast and has Site Local scope.

Reimplemented in **decaf::net::Inet4Address** (p. 2075).

6.396.3.18 virtual bool decaf::net::InetAddress::isMulticastAddress ( ) const [inline, virtual]

Check if this **InetAddress** (p. 2077) is a valid Multicast address.

Returns

true if the address is a Multicast address.

Reimplemented in **decaf::net::Inet4Address** (p. 2075).

6.396.3.19 virtual bool decaf::net::InetAddress::isSiteLocalAddress ( ) const [inline, virtual]

Check if this **InetAddress** (p. 2077) is a valid site local address.

Returns

true if the address is a site local address.

Reimplemented in **decaf::net::Inet4Address** (p. 2075).

6.396.3.20 virtual std::string decaf::net::InetAddress::toString ( ) const [virtual]

Returns a string representation of the **InetAddress** (p. 2077) in the form 'hostname / ipaddress'.

If the hostname is not resolved than it appears as empty.

Returns

string value of this **InetAddress** (p. 2077).

6.396.4 Field Documentation

6.396.4.1 decaf::lang::ArrayPointer<unsigned char> decaf::net::InetAddress::addressBytes [mutable, protected]

6.396.4.2 const unsigned char decaf::net::InetAddress::anyBytes[4] [static, protected]

6.396.4.3 std::string decaf::net::InetAddress::hostname [mutable, protected]

6.396.4.4 const unsigned char decaf::net::InetAddress::loopbackBytes[4] [static, protected]

6.396.4.5 bool decaf::net::InetAddress::reached [mutable, protected]

The documentation for this class was generated from the following file:

- src/main/decaf/net/**InetAddress.h**

6.397 decaf::net::InetSocketAddress Class Reference

```
#include <src/main/decaf/net/InetSocketAddress.h>
```

Inheritance diagram for decaf::net::InetSocketAddress:

Public Member Functions

- **InetSocketAddress** ()
- virtual ~**InetSocketAddress** ()

6.397.1 Constructor & Destructor Documentation

6.397.1.1 decaf::net::InetSocketAddress::InetSocketAddress ( )

6.397.1.2 virtual decaf::net::InetSocketAddress::~InetSocketAddress ( ) [virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/net/**InetSocketAddress.h**

6.398 inflate_state Struct Reference

```
#include <src/main/decaf/internal/util/zip/inflate.h>
```

Data Fields

- **inflate_mode mode**
- int **last**
- int **wrap**
- int **havedict**
- int **flags**
- unsigned **dmax**
- unsigned long **check**
- unsigned long **total**
- **gz_headerp head**
- unsigned **wbits**
- unsigned **wsize**
- unsigned **whave**
- unsigned **wnext**
- unsigned char FAR ∗ **window**
- unsigned long **hold**
- unsigned **bits**
- unsigned **length**
- unsigned **offset**
- unsigned **extra**
- **code** const FAR ∗ **lencode**
- **code** const FAR ∗ **distcode**
- unsigned **lenbits**
- unsigned **distbits**
- unsigned **ncode**
- unsigned **nlen**
- unsigned **ndist**
- unsigned **have**
- **code** FAR ∗ **next**
- unsigned short **lens** [320]
- unsigned short **work** [288]
- **code codes** [ENOUGH]
- int **sane**
- int **back**
- unsigned **was**

6.398.1 Field Documentation

6.398.1.1 int inflate_state::back

6.398.1.2 unsigned inflate_state::bits

6.398.1.3 unsigned long inflate_state::check

6.398.1.4 code inflate_state::codes[ENOUGH]

6.398.1.5 unsigned inflate_state::distbits

6.398.1.6 code const FAR* inflate_state::distcode

6.398.1.7 unsigned inflate_state::dmax

6.398.1.8 unsigned inflate_state::extra

6.398.1.9 int inflate_state::flags

6.398.1.10 unsigned inflate_state::have

6.398.1.11 int inflate_state::havedict

6.398.1.12 gz_headerp inflate_state::head

6.398.1.13 unsigned long inflate_state::hold

6.398.1.14 int inflate_state::last

6.398.1.15 unsigned inflate_state::lenbits

6.398.1.16 code const FAR* inflate_state::lencode

6.398.1.17 unsigned inflate_state::length

6.398.1.18 unsigned short inflate_state::lens[320]

6.398.1.19 inflate_mode inflate_state::mode

6.398.1.20 unsigned inflate_state::ncode

6.398.1.21 unsigned inflate_state::ndist

6.398.1.22 code FAR* inflate_state::next

6.398.1.23 unsigned inflate_state::nlen

6.398.1.24 unsigned inflate_state::offset

6.398.1.25 int inflate_state::sane

6.398.1.26 unsigned long inflate_state::total

6.398.1.27 unsigned inflate_state::was

6.398.1.28 unsigned inflate_state::wbits

6.398.1.29 unsigned inflate_state::whave

- src/main/decaf/internal/util/zip/**inflate.h**

6.399 decaf::util::zip::Inflater Class Reference

This class uncompresses data that was compressed using the *DEFLATE* algorithm (see `specification`).

`#include <src/main/decaf/util/zip/Inflater.h>`

Public Member Functions

- **Inflater** ()

  Creates a new decompressor.

- **Inflater** (bool nowrap)

  Creates a new decompressor.

- virtual ~**Inflater** ()
- void **setInput** (const unsigned char *buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateException)

  Sets input data for decompression.

- void **setInput** (const std::vector< unsigned char > &buffer, int offset, int length) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateExcep)

  Sets input data for decompression.

- void **setInput** (const std::vector< unsigned char > &buffer) throw (decaf::lang::exceptions::IllegalStateEx)

  Sets input data for decompression.

- int **getRemaining** () const

  Returns the total number of bytes remaining in the input buffer.

- void **setDictionary** (const unsigned char *buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsExcep decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Sets the preset dictionary to the given array of bytes.

- void **setDictionary** (const std::vector< unsigned char > &buffer, int offset, int length) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalArg decaf::lang::exceptions::IllegalStateException)

  Sets the preset dictionary to the given array of bytes.

- void **setDictionary** (const std::vector< unsigned char > &buffer) throw (decaf::lang::exceptions::IllegalStateException, decaf::lang::exceptions::IllegalArgumentException)

  Sets the preset dictionary to the given array of bytes.

- bool **needsInput** () const
- bool **needsDictionary** () const
- void **finish** ()

  When called, indicates that decompression should end with the current contents of the input buffer.

- bool **finished** () const
- int **inflate** (unsigned char *buffer, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalStateException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::util::zip::DataFormatException)

  Uncompresses bytes into specified buffer.

- int **inflate** (std::vector< unsigned char > &buffer, int offset, int length) throw (decaf::lang::exceptions::IllegalStateException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::util::zip::DataFormatException)

  Uncompresses bytes into specified buffer.

- int **inflate** (std::vector< unsigned char > &buffer) throw (decaf::lang::exceptions::IllegalStateException, decaf::util::zip::DataFormatException)

  Uncompresses bytes into specified buffer.

- long long **getAdler** () const throw (decaf::lang::exceptions::IllegalStateException)
- long long **getBytesRead** () const throw (decaf::lang::exceptions::IllegalStateException)
- long long **getBytesWritten** () const throw (decaf::lang::exceptions::IllegalStateException)
- void **reset** () throw (decaf::lang::exceptions::IllegalStateException)

  Resets deflater so that a new set of input data can be processed.

- void **end** ()

  Closes the decompressor and discards any unprocessed input.

6.399.1 Detailed Description

This class uncompresses data that was compressed using the *DEFLATE* algorithm (see `specification`). Basically this class is part of the API to the stream based ZLIB compression library and is used as such by **InflaterInputStream** (p. 2097) and its descendants.

The typical usage of a **Inflater** (p. 2088) outside this package consists of a specific call to one of its constructors before being passed to an instance of **InflaterInputStream** (p. 2097).

See also

InflaterInputStream (p. 2097)
Deflater (p. 1759)

Since

1.0

6.399.2 Constructor & Destructor Documentation

6.399.2.1 decaf::util::zip::Inflater::Inflater ( )

Creates a new decompressor.

This constructor defaults the inflater to use the ZLIB header and checksum fields.

6.399.2.2 decaf::util::zip::Inflater::Inflater (bool *nowrap*)

Creates a new decompressor.

If the parameter 'nowrap' is true then the ZLIB header and checksum fields will not be used. This provides compatibility with the compression format used by both GZIP and PKZIP.

Note: When using the 'nowrap' option it is also necessary to provide an extra "dummy" byte as input. This is required by the ZLIB native library in order to support certain optimizations.

6.399.2.3 virtual decaf::util::zip::Inflater::~Inflater ( ) [virtual]

6.399.3 Member Function Documentation

6.399.3.1 void decaf::util::zip::Inflater::end ( )

Closes the decompressor and discards any unprocessed input.

This method should be called when the decompressor is no longer being used, but will also be called automatically by the destructor. Once this method is called, the behavior of the **Inflater** (p. 2088) object is undefined.

6.399.3.2 void decaf::util::zip::Inflater::finish ( )

When called, indicates that decompression should end with the current contents of the input buffer.

6.399.3.3 bool decaf::util::zip::Inflater::finished ( ) const

Returns

true if the end of the compressed data output stream has been reached.

6.399.3.4 long long decaf::util::zip::Inflater::getAdler ( ) const throw (decaf::lang::exceptions::IllegalStateException)

Returns

the ADLER-32 value of the uncompressed data.

Exceptions

IllegalStateException	if in the end state.

6.399.3.5 long long decaf::util::zip::Inflater::getBytesRead ( ) const throw (decaf::lang::exceptions::IllegalStateException)

Returns

the total number of compressed bytes input so far.

Exceptions

IllegalStateException	if in the end state.

6.399.3.6 long long decaf::util::zip::Inflater::getBytesWritten ( ) const throw (decaf::lang::exceptions::IllegalStateException)

Returns

the total number of decompressed bytes output so far.

Exceptions

IllegalStateException	if in the end state.

6.399.3.7 int decaf::util::zip::Inflater::getRemaining ( ) const

Returns the total number of bytes remaining in the input buffer.

This can be used to find out what bytes still remain in the input buffer after decompression has finished.

Returns

the total number of bytes remaining in the input buffer

6.399.3.8 int decaf::util::zip::Inflater::inflate (std::vector< unsigned char > & *buffer*) throw (**decaf::lang::exceptions::IllegalStateException**, **decaf::util::zip::DataFormatException**)

Uncompresses bytes into specified buffer.

Returns actual number of bytes uncompressed. A return value of 0 indicates that **needsInput()** (p. 2093) or **needsDictionary()** (p. 2093) should be called in order to determine if more input data or a preset dictionary is required. In the latter case, **getAdler()** (p. 2091) can be used to get the Adler-32 value of the dictionary required.

Parameters

buffer	The Buffer to write the compressed data to.

Exceptions

IllegalStateException	if in the end state.
DataFormatException (p. *1600*)	if the compressed data format is invalid.

6.399.3.9 int decaf::util::zip::Inflater::inflate (std::vector< unsigned char > & *buffer,* int *offset,* int *length*) throw (**decaf::lang::exceptions::IllegalStateException**, **decaf::lang::exceptions::IndexOutOfBoundsException**, **decaf::util::zip::DataFormatException**)

Uncompresses bytes into specified buffer.

Returns actual number of bytes uncompressed. A return value of 0 indicates that **needsInput()** (p. 2093) or **needsDictionary()** (p. 2093) should be called in order to determine if more input data or a preset dictionary is required. In the latter case, **getAdler()** (p. 2091) can be used to get the Adler-32 value of the dictionary required.

Parameters

buffer	The Buffer to write the compressed data to.
offset	The position in the Buffer to start writing at.
length	The maximum number of byte of data to write.

Exceptions

IllegalStateException	if in the end state.
IndexOutOfBoundsException	if the offset + length > size of the buffer.

DataFormatException (p. *1600*)	if the compressed data format is invalid.

6.399.3.10 int decaf::util::zip::Inflater::inflate (unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalStateException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::util::zip::DataFormatException)

Uncompresses bytes into specified buffer.

Returns actual number of bytes uncompressed. A return value of 0 indicates that **needsInput()** (p. 2093) or **needsDictionary()** (p. 2093) should be called in order to determine if more input data or a preset dictionary is required. In the latter case, **getAdler()** (p. 2091) can be used to get the Adler-32 value of the dictionary required.

Parameters

buffer	The Buffer to write the compressed data to.
size	The size of the buffer passed in.
offset	The position in the Buffer to start writing at.
length	The maximum number of byte of data to write.

Exceptions

NullPointerException	if buffer is NULL.
IllegalStateException	if in the end state.
IndexOutOfBoundsException	if the offset + length > size of the buffer.
DataFormatException (p. *1600*)	if the compressed data format is invalid.

6.399.3.11 bool decaf::util::zip::Inflater::needsDictionary ( ) const

Returns

true if a preset dictionary is needed for decompression.

6.399.3.12 bool decaf::util::zip::Inflater::needsInput ( ) const

Returns

true if the input data buffer is empty and **setInput()** (p. 2095) should be called in order to provide more input

6.399.3.13 void decaf::util::zip::Inflater::reset ( ) throw (decaf::lang::exceptions::IllegalStateException)

Resets deflater so that a new set of input data can be processed.

Keeps current decompression level and strategy settings.

Exceptions

IllegalStateException	if in the end state.

6.399.3.14 void decaf::util::zip::Inflater::setDictionary (const std::vector< unsigned char > & *buffer,* int *offset,* int *length*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Sets the preset dictionary to the given array of bytes.

Should be called when **inflate()** (p. 2093) returns 0 and **needsDictionary()** (p. 2093) returns true indicating that a preset dictionary is required. The method **getAdler()** (p. 2091) can be used to get the Adler-32 value of the dictionary needed.

Parameters

buffer	The Buffer to read in for decompression.
offset	The position in the Buffer to start reading from.
length	The number of bytes to read from the input buffer.

Exceptions

IndexOutOfBoundsException	if the offset + length > size of the buffer.
IllegalStateException	if in the end state.
IllegalArgumentException	if the given dictionary doesn't match thre required dictionaries checksum value.

6.399.3.15 void decaf::util::zip::Inflater::setDictionary (const unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Sets the preset dictionary to the given array of bytes.

Should be called when **inflate()** (p. 2093) returns 0 and **needsDictionary()** (p. 2093) returns true indicating that a preset dictionary is required. The method **getAdler()** (p. 2091) can be used to get the Adler-32 value of the dictionary needed.

Parameters

buffer	The Buffer to read in for decompression.
size	The size of the buffer passed in.
offset	The position in the Buffer to start reading from.
length	The number of bytes to read from the input buffer.

Exceptions

NullPointerException	if buffer is NULL.
IndexOutOfBoundsException	if the offset + length > size of the buffer.
IllegalStateException	if in the end state.
IllegalArgumentException	if the given dictionary doesn't match thre required dictionaries checksum value.

6.399.3.16 void decaf::util::zip::Inflater::setDictionary (const std::vector< unsigned char > & *buffer*) throw (decaf::lang::exceptions::IllegalStateException, decaf::lang::exceptions::IllegalArgumentException)

Sets the preset dictionary to the given array of bytes.

Should be called when **inflate()** (p. 2093) returns 0 and **needsDictionary()** (p. 2093) returns true indicating that a preset dictionary is required. The method **getAdler()** (p. 2091) can be used to get the Adler-32 value of the dictionary needed.

Parameters

buffer	The Buffer to read in for decompression.

Exceptions

IllegalStateException	if in the end state.
IllegalArgumentException	if the given dictionary doesn't match thre required dictionaries checksum value.

6.399.3.17 void decaf::util::zip::Inflater::setInput (const unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateException)

Sets input data for decompression.

This should be called whenever **needsInput()** (p. 2093) returns true indicating that more input data is required.

Parameters

buffer	The Buffer to read in for decompression.

size	The size of the buffer passed in.
offset	The position in the Buffer to start reading from.
length	The number of bytes to read from the input buffer.

Exceptions

NullPointerException	if buffer is NULL.
IndexOutOfBoundsException	if the offset + length > size of the buffer.
IllegalStateException	if in the end state.

6.399.3.18 void decaf::util::zip::Inflater::setInput (const std::vector< unsigned char > & *buffer*, int *offset*, int *length*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::IllegalStateException)

Sets input data for decompression.

This should be called whenever **needsInput()** (p. 2093) returns true indicating that more input data is required.

Parameters

buffer	The Buffer to read in for decompression.
offset	The position in the Buffer to start reading from.
length	The number of bytes to read from the input buffer.

Exceptions

IndexOutOfBoundsException	if the offset + length > size of the buffer.
IllegalStateException	if in the end state.

6.399.3.19 void decaf::util::zip::Inflater::setInput (const std::vector< unsigned char > & *buffer*) throw (decaf::lang::exceptions::IllegalStateException)

Sets input data for decompression.

This should be called whenever **needsInput()** (p. 2093) returns true indicating that more input data is required.

Parameters

buffer	The Buffer to read in for decompression.

Exceptions

IllegalStateException	if in the end state.

The documentation for this class was generated from the following file:

- src/main/decaf/util/zip/**Inflater.h**

6.400 decaf::util::zip::InflaterInputStream Class Reference

A FilterInputStream that decompresses data read from the wrapped InputStream instance.

`#include <src/main/decaf/util/zip/InflaterInputStream.h>`

Inheritance diagram for decaf::util::zip::InflaterInputStream:

Public Member Functions

- **InflaterInputStream** (**decaf::io::InputStream** ∗**inputStream**, bool **own**=false)

  Create an instance of this class with a default inflater and buffer size.

- **InflaterInputStream** (**decaf::io::InputStream** ∗**inputStream**, **Inflater** ∗**inflater**, bool **own**=false)

  *Creates a new **InflaterInputStream** (p. 2097) with a user supplied **Inflater** (p. 2088) and a default buffer size.*

- **InflaterInputStream** (**decaf::io::InputStream** ∗**inputStream**, **Inflater** ∗**inflater**, int bufferSize, bool **own**=false)

  *Creates a new DeflateOutputStream with a user supplied **Inflater** (p. 2088) and specified buffer size.*

- virtual ∼**InflaterInputStream** ()
- virtual int **available** () const throw (decaf::io::IOException)

  Indicates the number of bytes available.
  The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.
  The default implementation of this method returns zero.

  Returns

  the number of bytes available on this input stream.

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

- virtual void **close** () throw (decaf::io::IOException)

  *Closes the **InputStream** (p. 2105) freeing any resources that might have been aquired during the lifetime of this stream.*
  The default implementation of this method does nothing.

- virtual long long **skip** (long long num) throw (decaf::io::IOException, decaf::lang::exceptions::Unsupporte
)

  Skips over and discards n bytes of data from this input stream.
  The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.
  *The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached.*
  Subclasses are encouraged to provide a more efficient implementation of this method.

  Parameters

num	*The number of bytes to skip.*

  Returns

  total bytes skipped

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*
UnsupportedOperationException	*if the concrete stream class does not support skipping bytes.*

- virtual void **mark** (int readLimit)

  Marks the current position in the stream A subsequent call to the reset method repositions this stream at the last marked position so that subsequent reads re-read the same bytes.
  If a stream instance reports that marks are supported then the stream will ensure that the same bytes can be read again after the reset method is called so long the readLimit is not reached.
  Calling mark on a closed stream instance should have no effect.
  The default implementation of this method does nothing.

  Parameters

readLimit	*The max bytes read before marked position is invalid.*

- virtual void **reset** () throw (decaf::io::IOException)

  Repositions this stream to the position at the time the mark method was last called on this input stream.
  *If the method markSupported returns true, then: ∗ If the method mark has not been called since the stream was created, or the number of bytes read from the stream since mark was last called is larger than the argument to mark at that last call, then an **IOException** (p. 2210) might be thrown. ∗ If such an **IOException** (p. 2210) is not thrown, then the stream is reset to a state such that all the bytes read since the most recent call to mark (or since the start of the file, if mark has not been called) will be resupplied to subsequent callers of the read method, followed by any bytes that*

otherwise would have been the next input data as of the time of the call to reset.
If the method markSupported returns false, then: ∗ The call to reset may throw an ***IOException*** *(p. 2210). ∗ If an* ***IOException*** *(p. 2210) is not thrown, then the stream is reset to a fixed state that depends on the particular type of the input stream and how it was created. The bytes that will be supplied to subsequent callers of the read method depend on the particular type of the input stream.*
The default implementation of this method throws an ***IOException*** *(p. 2210).*

Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

- virtual bool **markSupported** () const

  Determines if this input stream supports the mark and reset methods.
  Whether or not mark and reset are supported is an invariant property of a particular input stream instance.
  The default implementation of this method returns false.

  Returns

  true if this stream instance supports marks

Protected Member Functions

- virtual void **fill** () throw (decaf::io::IOException)

  Fills the input buffer with the next chunk of data.

- virtual int **doReadByte** () throw (decaf::io::IOException)
- virtual int **doReadArrayBounded** (unsigned char ∗buffer, int size, int offset, int **length**) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

Protected Attributes

- **Inflater ∗ inflater**

  The ***Inflater*** *(p. 2088) instance to use.*

- std::vector< unsigned char > **buff**

  The buffer to hold chunks of data read from the stream before inflation.

- int **length**

  The amount of data currently stored in the input buffer.

- bool **ownInflater**
- bool **atEOF**

Static Protected Attributes

- static const int **DEFAULT_BUFFER_SIZE**

6.400.1 Detailed Description

A FilterInputStream that decompresses data read from the wrapped InputStream instance.

Since

1.0

6.400.2 Constructor & Destructor Documentation

6.400.2.1 decaf::util::zip::InflaterInputStream::InflaterInputStream (decaf::io::InputStream * *inputStream*, bool *own* = `false`)

Create an instance of this class with a default inflater and buffer size.

Parameters

inputStream	The InputStream instance to wrap.
own	Should this Filter take ownership of the InputStream pointer (defaults to false).

6.400.2.2 decaf::util::zip::InflaterInputStream::InflaterInputStream (decaf::io::InputStream * *inputStream*, Inflater * *inflater*, bool *own* = `false`)

Creates a new **InflaterInputStream** (p. 2097) with a user supplied **Inflater** (p. 2088) and a default buffer size.

When the user supplied a **Inflater** (p. 2088) instance the **InflaterInputStream** (p. 2097) does not take ownership of the **Inflater** (p. 2088) pointer, the caller is still responsible for deleting the **Inflater** (p. 2088).

Parameters

inputStream	The InputStream instance to wrap.
inflater	The user supplied **Inflater** (p. 2088) to use for decompression. (
own	Should this filter take ownership of the InputStream pointer (default is false).

Exceptions

NullPointerException	if the **Inflater** (p. 2088) given is NULL.

6.400.2.3 decaf::util::zip::InflaterInputStream::InflaterInputStream (decaf::io::InputStream * *inputStream,* Inflater * *inflater,* int *bufferSize,* bool *own* = `false`)

Creates a new DeflateOutputStream with a user supplied **Inflater** (p. 2088) and specified buffer size.

When the user supplied a **Inflater** (p. 2088) instance the **InflaterInputStream** (p. 2097) does not take ownership of the **Inflater** (p. 2088) pointer, the caller is still responsible for deleting the **Inflater** (p. 2088).

Parameters

inputStream	The InputStream instance to wrap.
inflater	The user supplied **Inflater** (p. 2088) to use for decompression.
bufferSize	The size of the input buffer.
own	Should this filter take ownership of the InputStream pointer (default is false).

Exceptions

NullPointerException	if the **Inflater** (p. 2088) given is NULL.
IllegalArgumentException	if the bufferSize value is zero.

6.400.2.4 virtual decaf::util::zip::InflaterInputStream::~InflaterInputStream ( ) `[virtual]`

6.400.3 Member Function Documentation

6.400.3.1 virtual int decaf::util::zip::InflaterInputStream::available ( ) const throw (decaf::io::IOException) `[virtual]`

Indicates the number of bytes available.

The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.

The default implementation of this method returns zero.

Returns

the number of bytes available on this input stream.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Until EOF this method always returns 1, thereafter it always returns 0.

Reimplemented from **decaf::io::FilterInputStream** (p. 1953).

6.400.3.2 virtual void decaf::util::zip::InflaterInputStream::close ( ) throw (decaf::io::IOException) [virtual]

Closes the **InputStream** (p. 2105) freeing any resources that might have been aquired during the lifetime of this stream.

The default implementation of this method does nothing.

Closes any resources associated with this **InflaterInputStream** (p. 2097).

Reimplemented from **decaf::io::FilterInputStream** (p. 1954).

6.400.3.3 virtual int decaf::util::zip::InflaterInputStream::doReadArrayBounded (unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException) [protected, virtual]

Reimplemented from **decaf::io::FilterInputStream** (p. 1954).

6.400.3.4 virtual int decaf::util::zip::InflaterInputStream::doReadByte ( ) throw (decaf::io::IOException) [protected, virtual]

Reimplemented from **decaf::io::FilterInputStream** (p. 1954).

6.400.3.5 virtual void decaf::util::zip::InflaterInputStream::fill ( ) throw (decaf::io::IOException) [protected, virtual]

Fills the input buffer with the next chunk of data.

Exceptions

IOException	if an I/O error occurs.

6.400.3.6 virtual void decaf::util::zip::InflaterInputStream::mark (int *readLimit*) [virtual]

Marks the current position in the stream A subsequent call to the reset method repositions this stream at the last marked position so that subsequent reads re-read the same bytes.

If a stream instance reports that marks are supported then the stream will ensure that the same bytes can be read again after the reset method is called so long the readLimit is not reached.

Calling mark on a closed stream instance should have no effect.

The default implementation of this method does nothing.

Parameters

readLimit	The max bytes read before marked position is invalid.

Does nothing.

Reimplemented from **decaf::io::FilterInputStream** (p. 1955).

6.400.3.7 virtual bool decaf::util::zip::InflaterInputStream::markSupported ( ) const [virtual]

Determines if this input stream supports the mark and reset methods.

Whether or not mark and reset are supported is an invariant property of a particular input stream instance.

The default implementation of this method returns false.

Returns

true if this stream instance supports marks

Always returns false.

Reimplemented from **decaf::io::FilterInputStream** (p. 1955).

6.400.3.8 virtual void decaf::util::zip::InflaterInputStream::reset ( ) throw (decaf::io::IOException) [virtual]

Repositions this stream to the position at the time the mark method was last called on this input stream.

If the method markSupported returns true, then: ∗ If the method mark has not been called since the stream was created, or the number of bytes read from the stream since mark was last called is larger than the argument to mark at that last call, then an **IOException** (p. 2210) might be thrown. ∗ If such an **IOException** (p. 2210) is not thrown, then the stream is reset to a state such that all the bytes read since the most recent call to mark (or since the start of the file, if mark has not been called) will be resupplied to subsequent callers of the read method, followed by any bytes that otherwise would have been the next input data as of the time of the call to reset.

If the method markSupported returns false, then: ∗ The call to reset may throw an **IOException** (p. 2210). ∗ If an **IOException** (p. 2210) is not thrown, then the stream is reset to a fixed state that depends on the particular type of the input stream and how it was created. The bytes that will be supplied to subsequent callers of the read method depend on the particular type of the input stream.

The default implementation of this method throws an **IOException** (p. 2210).

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Always throws an IOException when called.

Reimplemented from **decaf::io::FilterInputStream** (p. 1956).

6.400.3.9 virtual long long decaf::util::zip::InflaterInputStream::skip (long long *num*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Skips over and discards n bytes of data from this input stream.

The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.

The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached. Subclasses are encouraged to provide a more efficient implementation of this method.

Parameters

num	The number of bytes to skip.

Returns

total bytes skipped

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.
UnsupportedOperationException	if the concrete stream class does not support skipping bytes.

Skips the specified amount of uncompressed input data.

Reimplemented from **decaf::io::FilterInputStream** (p. 1956).

6.400.4 Field Documentation

6.400.4.1 bool decaf::util::zip::InflaterInputStream::atEOF [protected]

6.400.4.2 std::vector<unsigned char> decaf::util::zip::InflaterInputStream::buff [protected]

The buffer to hold chunks of data read from the stream before inflation.

6.400.4.3 const int decaf::util::zip::InflaterInputStream::DEFAULT_BUFFER_SIZE [static, protected]

6.400.4.4 Inflater* decaf::util::zip::InflaterInputStream::inflater [protected]

The **Inflater** (p. 2088) instance to use.

6.400.4.5 int decaf::util::zip::InflaterInputStream::length [protected]

The amount of data currently stored in the input buffer.

6.400.4.6 bool decaf::util::zip::InflaterInputStream::ownInflater [protected]

The documentation for this class was generated from the following file:

- src/main/decaf/util/zip/**InflaterInputStream.h**

6.401 decaf::io::InputStream Class Reference

A base class that must be implemented by all classes wishing to provide a class that reads in a stream of bytes.

`#include <src/main/decaf/io/InputStream.h>`

Inheritance diagram for decaf::io::InputStream:

Public Member Functions

- **InputStream** ()
- virtual ~**InputStream** ()
- virtual void **close** () throw (decaf::io::IOException)

  *Closes the **InputStream** (p. 2105) freeing any resources that might have been aquired during the lifetime of this stream.*

- virtual void **mark** (int readLimit)

  Marks the current position in the stream A subsequent call to the reset method repositions this stream at the last marked position so that subsequent reads re-read the same bytes.

- virtual void **reset** () throw (decaf::io::IOException)

  Repositions this stream to the position at the time the mark method was last called on this input stream.

- virtual bool **markSupported** () const

  Determines if this input stream supports the mark and reset methods.

- virtual int **available** () const throw (decaf::io::IOException)

  Indicates the number of bytes available.

- virtual int **read** () throw (decaf::io::IOException)

  Reads a single byte from the buffer.

- virtual int **read** (unsigned char ∗buffer, int size) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException)

  Reads up to size bytes of data from the input stream into an array of bytes.

- virtual int **read** (unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  Reads up to length bytes of data from the input stream into an array of bytes.

- virtual long long **skip** (long long num) throw (decaf::io::IOException, decaf::lang::exceptions::Unsupporte)

  Skips over and discards n bytes of data from this input stream.

- virtual std::string **toString** () const

  Output a String representation of this object.

- virtual void **lock** () throw (decaf::lang::exceptions::RuntimeException)

  Locks the object.

- virtual bool **tryLock** () throw (decaf::lang::exceptions::RuntimeException)

  Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

- virtual void **unlock** () throw (decaf::lang::exceptions::RuntimeException)

  Unlocks the object.

- virtual void **wait** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMo decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs, int nanos) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateExceptio decaf::lang::exceptions::InterruptedException)

Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **notify** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals a waiter on this object that it can now wake up and continue.

- virtual void **notifyAll** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals the waiters on this object that it can now wake up and continue.

Protected Member Functions

- virtual int **doReadByte** ()=0 throw (decaf::io::IOException)
- virtual int **doReadArray** (unsigned char *buffer, int size) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)
- virtual int **doReadArrayBounded** (unsigned char *buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

6.401.1 Detailed Description

A base class that must be implemented by all classes wishing to provide a class that reads in a stream of bytes.

Since

1.0

6.401.2 Constructor & Destructor Documentation

6.401.2.1 decaf::io::InputStream::InputStream ( )

6.401.2.2 virtual decaf::io::InputStream::~InputStream ( ) [virtual]

6.401.3 Member Function Documentation

6.401.3.1 virtual int decaf::io::InputStream::available ( ) const throw (decaf::io::IOException) [inline, virtual]

Indicates the number of bytes available.

The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.

The default implementation of this method returns zero.

Returns

the number of bytes available on this input stream.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Reimplemented in **decaf::internal::io::StandardInputStream** (p. 3689), **decaf::internal::net::ssl::openssl::O**
(p. 2967), **decaf::internal::net::tcp::TcpSocketInputStream** (p. 3861), **decaf::io::BlockingByteArrayInputS**
(p. 847), **decaf::io::BufferedInputStream** (p. 946), **decaf::io::ByteArrayInputStream**
(p. 1043), **decaf::io::FilterInputStream** (p. 1953), **decaf::io::PushbackInputStream**
(p. 3234), and **decaf::util::zip::InflaterInputStream** (p. 2101).

6.401.3.2 virtual void decaf::io::InputStream::close ( ) throw (decaf::io::IOException) [virtual]

Closes the **InputStream** (p. 2105) freeing any resources that might have been aquired during the lifetime of this stream.

The default implementation of this method does nothing.

Implements **decaf::io::Closeable** (p. 1181).

Reimplemented in **decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream**
(p. 2968), **decaf::internal::net::tcp::TcpSocketInputStream** (p. 3862), **decaf::io::BlockingByteArrayInputS**
(p. 847), **decaf::io::BufferedInputStream** (p. 946), **decaf::io::FilterInputStream** (p. 1954),
and **decaf::util::zip::InflaterInputStream** (p. 2102).

6.401.3.3 virtual int decaf::io::InputStream::doReadArray (unsigned char * *buffer,* int *size*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException) [protected, virtual]

Reimplemented in **decaf::io::FilterInputStream** (p. 1954).

6.401.3.4 virtual int decaf::io::InputStream::doReadArrayBounded (unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException) [protected, virtual]

Reimplemented in **activemq::io::LoggingInputStream** (p. 2475), **decaf::internal::net::ssl::openssl::OpenSS**
(p. 2968), **decaf::internal::net::tcp::TcpSocketInputStream** (p. 3862), **decaf::io::BlockingByteArrayInputS**
(p. 847), **decaf::io::BufferedInputStream** (p. 946), **decaf::io::ByteArrayInputStream**
(p. 1043), **decaf::io::FilterInputStream** (p. 1954), **decaf::io::PushbackInputStream**
(p. 3235), **decaf::util::zip::CheckedInputStream** (p. 1171), and **decaf::util::zip::InflaterInputStream**
(p. 2102).

6.401.3.5 virtual int decaf::io::InputStream::doReadByte ( ) throw (decaf::io::IOException) [protected, pure virtual]

Implemented in **activemq::io::LoggingInputStream** (p. 2475), **decaf::internal::io::StandardInputStream** (p. 3689), **decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream** (p. 2968), **decaf::internal::net::tcp::TcpSocketInputStream** (p. 3862), **decaf::io::BlockingByteArrayInputStream** (p. 847), **decaf::io::BufferedInputStream** (p. 946), **decaf::io::ByteArrayInputStream** (p. 1043), **decaf::io::FilterInputStream** (p. 1954), **decaf::io::PushbackInputStream** (p. 3235), **decaf::util::zip::CheckedInputStream** (p. 1171), and **decaf::util::zip::InflaterInputStream** (p. 2102).

6.401.3.6 virtual void decaf::io::InputStream::lock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Locks the object.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3812).

6.401.3.7 virtual void decaf::io::InputStream::mark (int *readLimit*) [virtual]

Marks the current position in the stream A subsequent call to the reset method repositions this stream at the last marked position so that subsequent reads re-read the same bytes.

If a stream instance reports that marks are supported then the stream will ensure that the same bytes can be read again after the reset method is called so long the readLimit is not reached.

Calling mark on a closed stream instance should have no effect.

The default implementation of this method does nothing.

Parameters

readLimit	The max bytes read before marked position is invalid.

Reimplemented in **decaf::io::BufferedInputStream** (p. 947), **decaf::io::ByteArrayInputStream** (p. 1043), **decaf::io::FilterInputStream** (p. 1955), **decaf::io::PushbackInputStream** (p. 3235), and **decaf::util::zip::InflaterInputStream** (p. 2102).

6.401.3.8 virtual bool decaf::io::InputStream::markSupported ( ) const [inline, virtual]

Determines if this input stream supports the mark and reset methods.

Whether or not mark and reset are supported is an invariant property of a particular

input stream instance.

The default implementation of this method returns false.

Returns

true if this stream instance supports marks

Reimplemented in **decaf::io::BufferedInputStream** (p. 947), **decaf::io::ByteArrayInputStream** (p. 1044), **decaf::io::FilterInputStream** (p. 1955), **decaf::io::PushbackInputStream** (p. 3235), and **decaf::util::zip::InflaterInputStream** (p. 2103).

6.401.3.9 virtual void decaf::io::InputStream::notify ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals a waiter on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.
RuntimeException	if an error occurs while notifying one of the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3813).

6.401.3.10 virtual void decaf::io::InputStream::notifyAll ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals the waiters on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.
RuntimeException	if an error occurs while notifying the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3814).

6.401.3.11 virtual int decaf::io::InputStream::read (unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException) [virtual]

Reads up to length bytes of data from the input stream into an array of bytes.

An attempt is made to read as many as length bytes, but a smaller number may be read. The number of bytes actually read is returned as an integer.

This method blocks until input data is available, end of file is detected, or an exception is thrown.

If length is zero, then no bytes are read and 0 is returned; otherwise, there is an attempt to read at least one byte. If no byte is available because the stream is at end of file, the value -1 is returned; otherwise, at least one byte is read and stored into b.

The first byte read is stored into element b[off], the next one into b[off+1], and so on. The number of bytes read is, at most, equal to length. Let k be the number of bytes actually read; these bytes will be stored in elements b[off] through b[off+k-1], leaving elements b[offset+k] through b[offset+length-1] unaffected.

In every case, elements b[0] through b[offset] and elements b[offset+length] through b[b.length-1] are unaffected.

This method called the protected virtual method doReadArrayBounded which simply calls the method **doReadByte()** (p. 2109) repeatedly. If the first such call results in an **IOException** (p. 2210), that exception is returned. If any subsequent call to **doReadByte()** (p. 2109) results in a **IOException** (p. 2210), the exception is caught and treated as if it were end of file; the bytes read up to that point are stored into the buffer and the number of bytes read before the exception occurred is returned. The default implementation of this method blocks until the requested amount of input data has been read, end of file is detected, or an exception is thrown. Subclasses are encouraged to provide a more efficient implementation of this method.

Parameters

buffer	The target buffer to write the read in data to.
size	The size in bytes of the target buffer.
offset	The position in the buffer to start inserting the read in data.
length	The maximum number of bytes that should be read into buffer.

Returns

The number of bytes read or -1 if EOF is detected

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.
NullPointerException	if buffer passed is NULL.
IndexOutOfBoundsException	if length > size - offset.

6.401.3.12 virtual int decaf::io::InputStream::read ( ) throw (decaf::io::IOException) [virtual]

Reads a single byte from the buffer.

The value byte is returned as an int in the range 0 to 255. If no byte is available because the end of the stream has been reached, the value -1 is returned. This method blocks until input data is available, the end of the stream is detected, or an exception is thrown.

The default implementation of this method calls the internal virtual method doReadByte which is a pure virtual method and must be overridden by all subclasses.

Returns

The next byte or -1 if the end of stream is reached.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

6.401.3.13 virtual int decaf::io::InputStream::read (unsigned char * *buffer*, int *size*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException) [virtual]

Reads up to size bytes of data from the input stream into an array of bytes.

An attempt is made to read as many as size bytes, but a smaller number may be read. The number of bytes actually read is returned as an integer.

This method blocks until input data is available, end of file is detected, or an exception is thrown.

If size is zero, then no bytes are read and 0 is returned; otherwise, there is an attempt to read at least one byte. If no byte is available because the stream is at end of file, the value -1 is returned; otherwise, at least one byte is read and stored into b.

This method called the protected virtual method doReadArray which by default is the same as calling read(buffer, size, 0, size). Subclasses can customize the behavior of this method by overriding the doReadArray method to provide a better performing read operation.

Parameters

buffer	The target buffer to write the read in data to.
size	The size in bytes of the target buffer.

Returns

The number of bytes read or -1 if EOF is detected

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.
NullPointerException	if buffer passed is NULL.

6.401.3.14 virtual void decaf::io::InputStream::reset ( ) throw (decaf::io::IOException) [virtual]

Repositions this stream to the position at the time the mark method was last called on this input stream.

If the method markSupported returns true, then: ∗ If the method mark has not been called since the stream was created, or the number of bytes read from the stream since mark was last called is larger than the argument to mark at that last call, then an **IOException** (p. 2210) might be thrown. ∗ If such an **IOException** (p. 2210) is not thrown, then the stream is reset to a state such that all the bytes read since the most recent call to mark (or since the start of the file, if mark has not been called) will be resupplied to subsequent callers of the read method, followed by any bytes that otherwise would have been the next input data as of the time of the call to reset.

If the method markSupported returns false, then: ∗ The call to reset may throw an **IOException** (p. 2210). ∗ If an **IOException** (p. 2210) is not thrown, then the stream is reset to a fixed state that depends on the particular type of the input stream and how it was created. The bytes that will be supplied to subsequent callers of the read method depend on the particular type of the input stream.

The default implementation of this method throws an **IOException** (p. 2210).

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Reimplemented in **decaf::io::BufferedInputStream** (p. 947), **decaf::io::ByteArrayInputStream** (p. 1044), **decaf::io::FilterInputStream** (p. 1956), **decaf::io::PushbackInputStream** (p. 3236), and **decaf::util::zip::InflaterInputStream** (p. 2103).

6.401.3.15 virtual long long decaf::io::InputStream::skip (long long *num*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Skips over and discards n bytes of data from this input stream.

The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.

The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached. Subclasses are encouraged to provide a more efficient implementation of this method.

Parameters

num	The number of bytes to skip.

Returns

total bytes skipped

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.
UnsupportedOperationException	if the concrete stream class does not support skipping bytes.

Reimplemented in **decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream** (p. 2968), **decaf::internal::net::tcp::TcpSocketInputStream** (p. 3862), **decaf::io::BlockingByteArrayInputS** (p. 848), **decaf::io::BufferedInputStream** (p. 948), **decaf::io::ByteArrayInputStream** (p. 1046), **decaf::io::FilterInputStream** (p. 1956), **decaf::io::PushbackInputStream** (p. 3236), **decaf::util::zip::CheckedInputStream** (p. 1171), and **decaf::util::zip::InflaterInputStream** (p. 2104).

6.401.3.16 virtual std::string decaf::io::InputStream::toString ( ) const [virtual]

Output a String representation of this object.

The default version of this method just prints the Class Name.

Returns

a string representation of the object.

6.401.3.17 virtual bool decaf::io::InputStream::tryLock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

Returns

true if the lock was acquired, false if it is already held by another thread.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3815).

6.401.3.18 virtual void decaf::io::InputStream::unlock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Unlocks the object.

Exceptions

RuntimeException	if an error occurs while unlocking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3816).

6.401.3.19 virtual void decaf::io::InputStream::wait (long long *millisecs*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorState-Exception	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3819).

6.401.3.20 virtual void decaf::io::InputStream::wait ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling.

Exceptions

RuntimeException	if an error occurs while waiting on the object.

InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3818).

6.401.3.21 virtual void decaf::io::InputStream::wait (long long *millisecs*, int *nanos*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval. This method is similar to the one argument wait function except that it add a finer grained control over the amount of time that it waits by adding in the additional nanosecond argument.

NOTE: The ability to wait accurately at a nanosecond scale depends on the platform and OS that the Decaf API is running on, some systems do not provide an accurate enough clock to provide this level of granularity.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE
nanos	additional time in nanoseconds with a range of 0-999999

Exceptions

IllegalArgumentException	if an error occurs or the nanos argument is not in the range of [0-999999]
RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3820).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**InputStream.h**

6.402 decaf::io::InputStreamReader Class Reference

An **InputStreamReader** (p. 2116) is a bridge from byte streams to character streams.

```
#include <src/main/decaf/io/InputStreamReader.h>
```

Inheritance diagram for decaf::io::InputStreamReader:

Public Member Functions

- **InputStreamReader** (**InputStream** ∗stream, bool own=false)

  *Create a new **InputStreamReader** (p. 2116) that wraps the given **InputStream** (p. 2105).*

- virtual ∼**InputStreamReader** ()
- virtual void **close** () throw (decaf::io::IOException)

  Closes this object and deallocates the appropriate resources.

- virtual bool **ready** () const throw (decaf::io::IOException)

  Tells whether this stream is ready to be read.

Protected Member Functions

- virtual int **doReadArrayBounded** (char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  Override this method to customize the functionality of the method read(unsigned char∗ buffer, int size, int offset, int length).

- virtual void **checkClosed** () const throw (decaf::io::IOException)

6.402.1 Detailed Description

An **InputStreamReader** (p. 2116) is a bridge from byte streams to character streams. For top efficiency, consider wrapping an **InputStreamReader** (p. 2116) within a BufferedReader. For example:

BufferedReader∗ in = new BufferedReader(new **InputStreamReader** (p. 2116)(System.in, false), true);

See also

OutputStreamWriter (p. 2999)

Since

1.0

6.402.2 Constructor & Destructor Documentation

6.402.2.1 decaf::io::InputStreamReader::InputStreamReader (InputStream * *stream,* bool *own* = `false`)

Create a new **InputStreamReader** (p. 2116) that wraps the given **InputStream** (p. 2105).

Parameters

stream	The **InputStream** (p. 2105) to read from. (cannot be null).
own	Does this object own the passed **InputStream** (p. 2105) (defaults to false).

Exceptions

NullPointerException	if the passed **InputStream** (p. 2105) is NULL.

6.402.2.2 virtual decaf::io::InputStreamReader::~InputStreamReader ( ) `[virtual]`

6.402.3 Member Function Documentation

6.402.3.1 virtual void decaf::io::InputStreamReader::checkClosed ( ) const throw (**decaf::io::IOException**) `[protected, virtual]`

6.402.3.2 virtual void decaf::io::InputStreamReader::close ( ) throw (**decaf::io::IOException**) `[virtual]`

Closes this object and deallocates the appropriate resources.

The object is generally no longer usable after calling close.

Exceptions

IOException *(p. 2210)*	if an error occurs while closing.

Implements **decaf::io::Closeable** (p. 1181).

6.402.3.3 virtual int decaf::io::InputStreamReader::doReadArrayBounded (char * *buffer,* int *size,* int *offset,* int *length*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::IndexOutOfBoundsException**, **decaf::lang::exceptions::NullPointerException**) `[protected, virtual]`

Override this method to customize the functionality of the method read(unsigned char* buffer, int size, int offset, int length).

All subclasses must override this method to provide the basic **Reader** (p. 3254) functionality.

Implements **decaf::io::Reader** (p. 3256).

6.402.3.4 virtual bool decaf::io::InputStreamReader::ready ( ) const throw (decaf::io::IOException) [virtual]

Tells whether this stream is ready to be read.

Returns

True if the next **read()** (p. 3257) is guaranteed not to block for input, false otherwise. Note that returning false does not guarantee that the next read will block.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Reimplemented from **decaf::io::Reader** (p. 3259).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**InputStreamReader.h**

6.403 decaf::internal::nio::IntArrayBuffer Class Reference

`#include <src/main/decaf/internal/nio/IntArrayBuffer.h>`

Inheritance diagram for decaf::internal::nio::IntArrayBuffer:

Public Member Functions

- **IntArrayBuffer** (int size, bool readOnly=false) throw (decaf::lang::exceptions::IllegalArgumentException)

  *Creates a **IntArrayBuffer** (p. 2119) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.*

- **IntArrayBuffer** (int *array, int size, int offset, int length, bool readOnly=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  *Creates a **IntArrayBuffer** (p. 2119) object that wraps the given array.*

- **IntArrayBuffer** (const **decaf::lang::Pointer**< **ByteArrayAdapter** > &array, int offset, int length, bool readOnly=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

- **IntArrayBuffer** (const **IntArrayBuffer** &other)

  *Create a **IntArrayBuffer** (p. 2119) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.*

- virtual ~**IntArrayBuffer** ()
- virtual int * **array** () throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException)

  Returns the int array that backs this buffer (optional operation).
  Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.
  Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

  Returns

  *the array that backs this **Buffer** (p. 936).*

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this **Buffer** (p. 936) is read only.*
UnsupportedOperationException	*if the underlying store has no array.*

- virtual int **arrayOffset** () throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException)

  Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).
  Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

  Returns

  The offset into the backing array where index zero starts.

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this **Buffer** (p. 936) is read only.*
UnsupportedOperationException	*if the underlying store has no array.*

- virtual IntBuffer * **asReadOnlyBuffer** () const

  Creates a new, read-only int buffer that shares this buffer's content.
  The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.
  If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.
  The new buffer's capacity, limit, position, and mark values will be identical to those

of this buffer.

Returns

The new, read-only int buffer which the caller then owns.

- virtual IntBuffer & **compact** () throw (decaf::nio::ReadOnlyBufferException)

  Compacts this buffer.
  *The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.*
  The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

  Returns

  *a reference to this **IntBuffer** (p. 2130)*

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual IntBuffer * **duplicate** ()

  Creates a new int buffer that shares this buffer's content.
  The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

  Returns

  *a new int **Buffer** (p. 936) which the caller owns.*

- virtual int **get** () throw (decaf::nio::BufferUnderflowException)

  Relative get method.
  Reads the value at this buffer's current position, and then increments the position.

  Returns

  the int at the current position.

  Exceptions

BufferUnderflowException (p. 967)	*if there no more data to return.*

- virtual int **get** (int index) const throw (lang::exceptions::IndexOutOfBoundsException)

  Absolute get method.
  Reads the value at the given index.

Parameters

index	*The index in the **Buffer** (p. 936) where the int is to be read.*

Returns

the int that is located at the given index.

Exceptions

IndexOutOfBoundsException	*if index is not smaller than the buffer's limit, or index is negative.*

- virtual bool **hasArray** () const

  Tells whether or not this buffer is backed by an accessible int array.
  If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

  Returns

  true if, and only if, this buffer is backed by an array and is not read-only.

- virtual bool **isReadOnly** () const

  Tells whether or not this buffer is read-only.

  Returns

  true if, and only if, this buffer is read-only.

- virtual IntBuffer & **put** (int value) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException)

  Writes the given integer into this buffer at the current position, and then increments the position.

  Parameters

value	*The integer value to be written.*

  Returns

  a reference to this buffer.

  Exceptions

BufferOverflowException (p. 964)	*if this buffer's current position is not smaller than its limit.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual IntBuffer & **put** (int index, int value) throw (lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException)

  Writes the given ints into this buffer at the given index.

  Parameters

index	*The position in the **Buffer** (p. 936) to write the data.*
value	*The ints to write.*

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	*- If index greater than the buffer's limit minus the size of the type being written, or the index is negative.*
ReadOnlyBufferException (p. 3260)	*- If this buffer is read-only.*

- virtual IntBuffer ∗ **slice** () const

  *Creates a new **IntBuffer** (p. 2130) whose content is a shared subsequence of this buffer's content.*
  The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

  Returns

  *the newly create **IntBuffer** (p. 2130) which the caller owns.*

Protected Member Functions

- virtual void **setReadOnly** (bool value)

  *Sets this **IntArrayBuffer** (p. 2119) as Read-Only.*

6.403.1 Constructor & Destructor Documentation

6.403.1.1 decaf::internal::nio::IntArrayBuffer::IntArrayBuffer (int *size*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::IllegalArgumentException)

Creates a **IntArrayBuffer** (p. 2119) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

size	The size of the array, this is the limit we read and write to.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

IllegalArguementException	if the capacity value is negative.

6.403.1.2 decaf::internal::nio::IntArrayBuffer::IntArrayBuffer (int * *array*, int *size*, int *offset*, int *length*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a **IntArrayBuffer** (p. 2119) object that wraps the given array.

If the own flag is set then it will delete this array when this object is deleted.

Parameters

array	The actual array to wrap.
size	The size of the given array.
offset	The position that is this buffers start position.
length	The limit of how many bytes into the array this Buffer can write.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if offset is greater than array capacity.

6.403.1.3 decaf::internal::nio::IntArrayBuffer::IntArrayBuffer (const decaf::lang::Pointer< ByteArrayAdapter > & *array*, int *offset*, int *length*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

The capacity and limit of the new **IntArrayBuffer** (p. 2119) will be that of the remaining capacity of the passed buffer.

Parameters

array	The ByteArrayAdapter to wrap.
offset	The position that is this buffers start position.
length	The limit of how many bytes into the array this Buffer can write.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

NullPointerException	if array is NULL
IndexOutOfBoundsException	if offset + length is greater than array size.

6.403.1.4 decaf::internal::nio::IntArrayBuffer::IntArrayBuffer (const IntArrayBuffer & *other*)

Create a **IntArrayBuffer** (p. 2119) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.

Parameters

other	The **IntArrayBuffer** (p. 2119) this one is to mirror.

6.403.1.5 virtual decaf::internal::nio::IntArrayBuffer::~IntArrayBuffer ( ) [virtual]

6.403.2 Member Function Documentation

6.403.2.1 virtual int* decaf::internal::nio::IntArrayBuffer::array ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException) [virtual]

Returns the int array that backs this buffer (optional operation).

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

the array that backs this **Buffer** (p. 936).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implements **decaf::nio::IntBuffer** (p. 2134).

6.403.2.2 virtual int decaf::internal::nio::IntArrayBuffer::arrayOffset ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException) [virtual]

Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset into the backing array where index zero starts.

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implements **decaf::nio::IntBuffer** (p. 2134).

6.403.2.3 virtual IntBuffer* decaf::internal::nio::IntArrayBuffer::asReadOnlyBuffer ( ) const [virtual]

Creates a new, read-only int buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only int buffer which the caller then owns.

Implements **decaf::nio::IntBuffer** (p. 2135).

6.403.2.4 virtual IntBuffer& decaf::internal::nio::IntArrayBuffer::compact ( ) throw (**decaf::nio::ReadOnlyBufferException**) [virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **IntBuffer** (p. 2130)

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implements **decaf::nio::IntBuffer** (p. 2135).

6.403.2.5 virtual IntBuffer* decaf::internal::nio::IntArrayBuffer::duplicate ( ) [virtual]

Creates a new int buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new int **Buffer** (p. 936) which the caller owns.

Implements **decaf::nio::IntBuffer** (p. 2136).

6.403.2.6 virtual int decaf::internal::nio::IntArrayBuffer::get ( ) throw (decaf::nio::BufferUnderflowException) [virtual]

Relative get method.

Reads the value at this buffer's current position, and then increments the position.

Returns

the int at the current position.

Exceptions

BufferUnderflowException *(p. 967)*	if there no more data to return.

Implements **decaf::nio::IntBuffer** (p. 2138).

6.403.2.7 virtual int decaf::internal::nio::IntArrayBuffer::get (int *index*) const throw (lang::exceptions::IndexOutOfBoundsException) [virtual]

Absolute get method.

Reads the value at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the int is to be read.

Returns

the int that is located at the given index.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit, or index is negative.

Implements **decaf::nio::IntBuffer** (p. 2136).

6.403.2.8 virtual bool decaf::internal::nio::IntArrayBuffer::hasArray ( ) const [inline, virtual]

Tells whether or not this buffer is backed by an accessible int array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only.

Implements **decaf::nio::IntBuffer** (p. 2138).

6.403.2.9 virtual bool decaf::internal::nio::IntArrayBuffer::isReadOnly ( ) const [inline, virtual]

Tells whether or not this buffer is read-only.

Returns

true if, and only if, this buffer is read-only.

Implements **decaf::nio::Buffer** (p. 940).

6.403.2.10 virtual IntBuffer& decaf::internal::nio::IntArrayBuffer::put (int *index*, int *value*) throw (lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes the given ints into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The ints to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	- If index greater than the buffer's limit minus the size of the type being written, or the index is negative.
ReadOnlyBufferException *(p. 3260)*	- If this buffer is read-only.

Implements **decaf::nio::IntBuffer** (p. 2139).

6.403.2.11 virtual IntBuffer& decaf::internal::nio::IntArrayBuffer::put (int *value*) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes the given integer into this buffer at the current position, and then increments the position.

Parameters

value	The integer value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException *(p. 964)*	if this buffer's current position is not smaller than its limit.
ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implements **decaf::nio::IntBuffer** (p. 2138).

6.403.2.12 virtual void decaf::internal::nio::IntArrayBuffer::setReadOnly (bool *value*) [inline, protected, virtual]

Sets this **IntArrayBuffer** (p. 2119) as Read-Only.

Parameters

value	Boolean value, true if this buffer is to be read-only, false otherwise.

6.403.2.13 virtual IntBuffer∗ decaf::internal::nio::IntArrayBuffer::slice ( ) const [virtual]

Creates a new **IntBuffer** (p. 2130) whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **IntBuffer** (p. 2130) which the caller owns.

Implements **decaf::nio::IntBuffer** (p. 2141).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/nio/**IntArrayBuffer.h**

6.404 decaf::nio::IntBuffer Class Reference

This class defines four categories of operations upon int buffers:

`#include <src/main/decaf/nio/IntBuffer.h>`

Inheritance diagram for decaf::nio::IntBuffer:

Public Member Functions

- virtual ∼**IntBuffer** ()
- virtual std::string **toString** () const
- virtual int ∗ **array** ()=0 throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException)

Returns the int array that backs this buffer (optional operation).

- virtual int **arrayOffset** ()=0 throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException)

  Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

- virtual **IntBuffer** ∗ **asReadOnlyBuffer** () const =0

  Creates a new, read-only int buffer that shares this buffer's content.

- virtual **IntBuffer** & **compact** ()=0 throw (ReadOnlyBufferException)

  Compacts this buffer.

- virtual **IntBuffer** ∗ **duplicate** ()=0

  Creates a new int buffer that shares this buffer's content.

- virtual int **get** ()=0 throw (BufferUnderflowException)

  Relative get method.

- virtual int **get** (int index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Absolute get method.

- **IntBuffer** & **get** (std::vector< int > buffer) throw (BufferUnderflowException)

  Relative bulk get method.

- **IntBuffer** & **get** (int ∗buffer, int size, int offset, int length) throw (BufferUnderflowException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  Relative bulk get method.

- virtual bool **hasArray** () const =0

  Tells whether or not this buffer is backed by an accessible int array.

- **IntBuffer** & **put** (**IntBuffer** &src) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IllegalArgumentException)

  This method transfers the ints remaining in the given source buffer into this buffer.

- **IntBuffer** & **put** (const int ∗buffer, int size, int offset, int length) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  This method transfers ints into this buffer from the given source array.

- **IntBuffer** & **put** (std::vector< int > &buffer) throw (BufferOverflowException, ReadOnlyBufferException)

  This method transfers the entire content of the given source ints array into this buffer.

- virtual **IntBuffer** & **put** (int value)=0 throw (BufferOverflowException, ReadOnlyBufferException)

  Writes the given integer into this buffer at the current position, and then increments the position.

- virtual **IntBuffer** & **put** (int index, int value)=0 throw (decaf::lang::exceptions::IndexOutOfBoundsExcep ReadOnlyBufferException)

  Writes the given ints into this buffer at the given index.

- virtual **IntBuffer** ∗ **slice** () const =0

  *Creates a new **IntBuffer** (p. 2130) whose content is a shared subsequence of this buffer's content.*

- virtual int **compareTo** (const **IntBuffer** &value) const

- virtual bool **equals** (const **IntBuffer** &value) const

- virtual bool **operator==** (const **IntBuffer** &value) const

- virtual bool **operator**< (const **IntBuffer** &value) const

Static Public Member Functions

- static **IntBuffer** ∗ **allocate** (int capacity) throw (decaf::lang::exceptions::IllegalArgumentException)

  Allocates a new Double buffer.

- static **IntBuffer** ∗ **wrap** (int ∗array, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  *Wraps the passed buffer with a new **IntBuffer** (p. 2130).*

- static **IntBuffer** ∗ **wrap** (std::vector< int > &buffer)

  *Wraps the passed STL int Vector in a **IntBuffer** (p. 2130).*

Protected Member Functions

- **IntBuffer** (int capacity) throw (decaf::lang::exceptions::IllegalArgumentException)

*Creates a **IntBuffer** (p. 2130) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.*

6.404.1 Detailed Description

This class defines four categories of operations upon int buffers: o Absolute and relative get and put methods that read and write single ints; o Relative bulk get methods that transfer contiguous sequences of ints from this buffer into an array; and o Relative bulk put methods that transfer contiguous sequences of ints from a int array or some other int buffer into this buffer o Methods for compacting, duplicating, and slicing a int buffer.

Double buffers can be created either by allocation, which allocates space for the buffer's content, by wrapping an existing int array into a buffer, or by creating a view of an existing byte buffer

Methods in this class that do not otherwise have a value to return are specified to return the buffer upon which they are invoked. This allows method invocations to be chained.

6.404.2 Constructor & Destructor Documentation

6.404.2.1 decaf::nio::IntBuffer::IntBuffer (int *capacity*) throw (decaf::lang::exceptions::IllegalArgumentException) [protected]

Creates a **IntBuffer** (p. 2130) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

capacity	The size and limit of the **Buffer** (p. 936) in integers.

Exceptions

IllegalArguementException	if capacity is negative.

6.404.2.2 virtual decaf::nio::IntBuffer::~IntBuffer ( ) [inline, virtual]

6.404.3 Member Function Documentation

6.404.3.1 static IntBuffer* decaf::nio::IntBuffer::allocate (int *capacity*) throw (decaf::lang::exceptions::IllegalArgumentException) [static]

Allocates a new Double buffer.

The new buffer's position will be zero, its limit will be its capacity, and its mark will

be undefined. It will have a backing array, and its array offset will be zero.

Parameters

capacity	The size of the Double buffer in integers.

Returns

the **IntBuffer** (p. 2130) that was allocated, caller owns.

6.404.3.2 virtual int* decaf::nio::IntBuffer::array ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException) [pure virtual]

Returns the int array that backs this buffer (optional operation).

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

the array that backs this **Buffer** (p. 936).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implemented in **decaf::internal::nio::IntArrayBuffer** (p. 2125).

6.404.3.3 virtual int decaf::nio::IntBuffer::arrayOffset ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException) [pure virtual]

Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset into the backing array where index zero starts.

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implemented in **decaf::internal::nio::IntArrayBuffer** (p. 2125).

6.404.3.4 virtual IntBuffer* decaf::nio::IntBuffer::asReadOnlyBuffer ( ) const [pure virtual]

Creates a new, read-only int buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only int buffer which the caller then owns.

Implemented in **decaf::internal::nio::IntArrayBuffer** (p. 2126).

6.404.3.5 virtual IntBuffer& decaf::nio::IntBuffer::compact ( ) throw (ReadOnlyBufferException) [pure virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **IntBuffer** (p. 2130)

Exceptions

ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::IntArrayBuffer** (p. 2126).

6.404.3.6 virtual int decaf::nio::IntBuffer::compareTo (const IntBuffer & *value*) const [virtual]

6.404.3.7 virtual IntBuffer* decaf::nio::IntBuffer::duplicate ( ) [pure virtual]

Creates a new int buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new int **Buffer** (p. 936) which the caller owns.

Implemented in **decaf::internal::nio::IntArrayBuffer** (p. 2127).

6.404.3.8 virtual bool decaf::nio::IntBuffer::equals (const IntBuffer & *value*) const [virtual]

6.404.3.9 IntBuffer& decaf::nio::IntBuffer::get (std::vector< int > *buffer*) throw (BufferUnderflowException)

Relative bulk get method.

This method transfers values from this buffer into the given destination vector. An invocation of this method of the form src.get(a) behaves in exactly the same way as the invocation. The vector must be sized to the amount of data that is to be read, that is to say, the caller should call buffer.resize(N) before calling this get method.

Returns

a reference to this **Buffer** (p. 936).

Exceptions

BufferUnderflowException (p. *967*)	if there are fewer than length ints remaining in this buffer.

6.404.3.10 virtual int decaf::nio::IntBuffer::get (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Absolute get method.

Reads the value at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the int is to be read.

Returns

the int that is located at the given index.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit, or index is negative.

Implemented in **decaf::internal::nio::IntArrayBuffer** (p. 2127).

6.404.3.11 IntBuffer& decaf::nio::IntBuffer::get (int * *buffer,* int *size,* int *offset,* int *length*) throw (BufferUnderflowException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

Relative bulk get method.

This method transfers ints from this buffer into the given destination array. If there are fewer ints remaining in the buffer than are required to satisfy the request, that is, if length > **remaining**() (p. 941), then no bytes are transferred and a **BufferUnderflowException** (p. 967) is thrown.

Otherwise, this method copies length ints from this buffer into the given array, starting at the current position of this buffer and at the given offset in the array. The position of this buffer is then incremented by length.

Parameters

buffer	The pointer to an allocated buffer to fill.
size	The size of the buffer that was passed in.
offset	The position in the buffer to start filling.
length	The amount of data to put in the passed buffer.

Returns

a reference to this **Buffer** (p. 936).

Exceptions

BufferUnderflowException *(p. 967)*	if there are fewer than length ints remaining in this buffer.
NullPointerException	if the passed buffer is null.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.404.3.12 virtual int decaf::nio::IntBuffer::get ( ) throw (BufferUnderflowException) [pure virtual]

Relative get method.

Reads the value at this buffer's current position, and then increments the position.

Returns

the int at the current position.

Exceptions

BufferUnderflowException *(p. 967)*	if there no more data to return.

Implemented in **decaf::internal::nio::IntArrayBuffer** (p. 2127).

6.404.3.13 virtual bool decaf::nio::IntBuffer::hasArray ( ) const [pure virtual]

Tells whether or not this buffer is backed by an accessible int array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only.

Implemented in **decaf::internal::nio::IntArrayBuffer** (p. 2128).

6.404.3.14 virtual bool decaf::nio::IntBuffer::operator< (const IntBuffer & *value*) const [virtual]

6.404.3.15 virtual bool decaf::nio::IntBuffer::operator== (const IntBuffer & *value*) const [virtual]

6.404.3.16 virtual IntBuffer& decaf::nio::IntBuffer::put (int *value*) throw (BufferOverflowException, ReadOnlyBufferException) [pure virtual]

Writes the given integer into this buffer at the current position, and then increments the position.

Parameters

value	The integer value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException *(p. 964)*	if this buffer's current position is not smaller than its limit.
ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implemented in **decaf::internal::nio::IntArrayBuffer** (p. 2129).

6.404.3.17 virtual IntBuffer& decaf::nio::IntBuffer::put (int *index*, int *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException) [pure virtual]

Writes the given ints into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The ints to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	- If index greater than the buffer's limit minus the size of the type being written, or the index is negative.

ReadOnlyBufferException (p. *3260*)	- If this buffer is read-only.

Implemented in **decaf::internal::nio::IntArrayBuffer** (p. 2128).

6.404.3.18 IntBuffer& decaf::nio::IntBuffer::put (const int * *buffer*, int *size*, int *offset*, int *length*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

This method transfers ints into this buffer from the given source array.

If there are more ints to be copied from the array than remain in this buffer, that is, if length > **remaining()** (p. 941), then no ints are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies length bytes from the given array into this buffer, starting at the given offset in the array and at the current position of this buffer. The position of this buffer is then incremented by length.

Parameters

buffer	The array from which integers are to be read.
size	The size of the buffer passed.
offset	The offset within the array of the first char to be read.
length	The number of integers to be read from the given array.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.
NullPointerException	if the passed buffer is null.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.404.3.19 IntBuffer& decaf::nio::IntBuffer::put (std::vector< int > & *buffer*) throw (BufferOverflowException, ReadOnlyBufferException)

This method transfers the entire content of the given source ints array into this buffer.

This is the same as calling put(&buffer[0], 0, buffer.size().

Parameters

buffer	The buffer whose contents are copied to this **IntBuffer** (p. 2130).

Returns

a reference to this buffer.

Exceptions

BufferOverflowException *(p. 964)*	if there is insufficient space in this buffer.
ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

6.404.3.20 IntBuffer& decaf::nio::IntBuffer::put (IntBuffer & *src*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IllegalArgumentException)

This method transfers the ints remaining in the given source buffer into this buffer.

If there are more ints remaining in the source buffer than in this buffer, that is, if src.remaining() > **remaining()** (p. 941), then no ints are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies n = src.remaining() ints from the given buffer into this buffer, starting at each buffer's current position. The positions of both buffers are then incremented by n.

Parameters

src	The buffer to take ints from an place in this one.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException *(p. 964)*	if there is insufficient space in this buffer for the remaining ints in the source buffer.
IllegalArgumentException	if the source buffer is this buffer.

ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

6.404.3.21 virtual IntBuffer* decaf::nio::IntBuffer::slice ( ) const [pure virtual]

Creates a new **IntBuffer** (p. 2130) whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **IntBuffer** (p. 2130) which the caller owns.

Implemented in **decaf::internal::nio::IntArrayBuffer** (p. 2130).

6.404.3.22 virtual std::string decaf::nio::IntBuffer::toString ( ) const [virtual]

Returns

a std::string describing this object

6.404.3.23 static IntBuffer* decaf::nio::IntBuffer::wrap (int * *array,* int *size,* int *offset,* int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new **IntBuffer** (p. 2130).

The new buffer will be backed by the given int array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array.length, its position will be offset, its limit will be offset + length, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

array	The array that will back the new buffer.
size	The size of the passed in array.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new **IntBuffer** (p. 2130) that is backed by buffer, caller owns.

Exceptions

NullPointerException	if the array pointer is NULL.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.404.3.24 static IntBuffer* decaf::nio::IntBuffer::wrap (std::vector< int > & *buffer*) [static]

Wraps the passed STL int Vector in a **IntBuffer** (p. 2130).

The new buffer will be backed by the given int array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new **IntBuffer** (p. 2130) that is backed by buffer, caller owns.

The documentation for this class was generated from the following file:

- src/main/decaf/nio/**IntBuffer.h**

6.405 decaf::lang::Integer Class Reference

```
#include <src/main/decaf/lang/Integer.h>
```

Inheritance diagram for decaf::lang::Integer:

Public Member Functions

- **Integer** (int value)
- **Integer** (const std::string &value) throw (exceptions::NumberFormatException)
- virtual ~**Integer** ()

- virtual int **compareTo** (const **Integer** &i) const

  *Compares this **Integer** (p. 2143) instance with another.*

- bool **equals** (const **Integer** &i) const
- virtual bool **operator==** (const **Integer** &i) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const **Integer** &i) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- virtual int **compareTo** (const int &i) const

  *Compares this **Integer** (p. 2143) instance with another.*

- bool **equals** (const int &i) const
- virtual bool **operator==** (const int &i) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const int &i) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- std::string **toString** () const
- virtual double **doubleValue** () const

  Answers the double value which the receiver represents.

- virtual float **floatValue** () const

  Answers the float value which the receiver represents.

- virtual unsigned char **byteValue** () const

  Answers the byte value which the receiver represents.

- virtual short **shortValue** () const

  Answers the short value which the receiver represents.

- virtual int **intValue** () const

  Answers the int value which the receiver represents.

- virtual long long **longValue** () const

  Answers the long value which the receiver represents.

Static Public Member Functions

- static **Integer decode** (const std::string &value) throw (exceptions::NumberFormatException)

*Decodes a **String** (p. 3775) into a **Integer** (p. 2143).*

- static int **reverseBytes** (int value)

  Returns the value obtained by reversing the order of the bytes in the two's complement representation of the specified int value.

- static int **reverse** (int value)

  Returns the value obtained by reversing the order of the bits in the two's complement binary representation of the specified int value.

- static int **parseInt** (const std::string &s, int radix) throw (exceptions::NumberFormatException)

  Parses the string argument as a signed int in the radix specified by the second argument.

- static int **parseInt** (const std::string &s) throw (exceptions::NumberFormatException)

  Parses the string argument as a signed decimal int.

- static **Integer valueOf** (int value)

  *Returns a **Integer** (p. 2143) instance representing the specified int value.*

- static **Integer valueOf** (const std::string &value) throw (exceptions::NumberFormatException)

  *Returns a **Integer** (p. 2143) object holding the value given by the specified std::string.*

- static **Integer valueOf** (const std::string &value, int radix) throw (exceptions::NumberFormatException)

  *Returns a **Integer** (p. 2143) object holding the value extracted from the specified std::string when parsed with the radix given by the second argument.*

- static int **bitCount** (int value)

  Returns the number of one-bits in the two's complement binary representation of the specified int value.

- static std::string **toString** (int value)

  *Converts the int to a **String** (p. 3775) representation.*

- static std::string **toString** (int value, int radix)

  Returns a string representation of the first argument in the radix specified by the second argument.

- static std::string **toHexString** (int value)

  Returns a string representation of the integer argument as an unsigned integer in base 16.

- static std::string **toOctalString** (int value)

Returns a string representation of the integer argument as an unsigned integer in base 8.

- static std::string **toBinaryString** (int value)

  Returns a string representation of the integer argument as an unsigned integer in base 2.

- static int **highestOneBit** (int value)

  Returns an int value with at most a single one-bit, in the position of the highest-order ("leftmost") one-bit in the specified int value.

- static int **lowestOneBit** (int value)

  Returns an int value with at most a single one-bit, in the position of the lowest-order ("rightmost") one-bit in the specified int value.

- static int **numberOfLeadingZeros** (int value)

  Returns the number of zero bits preceding the highest-order ("leftmost") one-bit in the two's complement binary representation of the specified int value.

- static int **numberOfTrailingZeros** (int value)

  Returns the number of zero bits following the lowest-order ("rightmost") one-bit in the two's complement binary representation of the specified int value.

- static int **rotateLeft** (int value, int distance)

  Returns the value obtained by rotating the two's complement binary representation of the specified int value left by the specified number of bits.

- static int **rotateRight** (int value, int distance)

  Returns the value obtained by rotating the two's complement binary representation of the specified int value right by the specified number of bits.

- static int **signum** (int value)

  Returns the signum function of the specified int value.

Static Public Attributes

- static const int **SIZE** = 32

  The size in bits of the primitive int type.

- static const int **MAX_VALUE** = (int)0x7FFFFFFF

  The maximum value that the primitive type can hold.

- static const int **MIN_VALUE** = (int)0x80000000

  The minimum value that the primitive type can hold.

6.405.1 Constructor & Destructor Documentation

6.405.1.1 decaf::lang::Integer::Integer (int *value*)

Parameters

value	The primitive value to wrap in an **Integer** (p. 2143) instance.

6.405.1.2 decaf::lang::Integer::Integer (const std::string & *value*) throw (exceptions::NumberFormatException)

Parameters

value	The base 10 encoded string to decode to an **Integer** (p. 2143) and wrap.

Exceptions

NumberFormatException	

6.405.1.3 virtual decaf::lang::Integer::~Integer ( ) [inline, virtual]

6.405.2 Member Function Documentation

6.405.2.1 static int decaf::lang::Integer::bitCount (int *value*) [static]

Returns the number of one-bits in the two's complement binary representation of the specified int value.

This function is sometimes referred to as the population count.

Parameters

value	- the int to count

Returns

the number of one-bits in the two's complement binary representation of the specified int value.

6.405.2.2 virtual unsigned char decaf::lang::Integer::byteValue ( ) const [inline, virtual]

Answers the byte value which the receiver represents.

Returns

int the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2919).

6.405.2.3 virtual int decaf::lang::Integer::compareTo (const int & *i*) const [virtual]

Compares this **Integer** (p. 2143) instance with another.

Parameters

i	- the **Integer** (p. 2143) instance to be compared

Returns

zero if this object represents the same integer value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object represents a value less than the passed in value.

Implements **decaf::lang::Comparable**< **int** > (p. 1249).

6.405.2.4 virtual int decaf::lang::Integer::compareTo (const Integer & *i*) const [virtual]

Compares this **Integer** (p. 2143) instance with another.

Parameters

i	- the **Integer** (p. 2143) instance to be compared

Returns

zero if this object represents the same integer value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object represents a value less than the passed in value.

Implements **decaf::lang::Comparable**< **Integer** > (p. 1249).

6.405.2.5 static Integer decaf::lang::Integer::decode (const std::string & *value*) throw (exceptions::NumberFormatException) [static]

Decodes a **String** (p. 3775) into a **Integer** (p. 2143).

Accepts decimal, hexadecimal, and octal numbers given by the following grammar:

The sequence of characters following an (optional) negative sign and/or radix specifier ("0x", "0X", "#", or leading zero) is parsed as by the Integer.parseInteger method with the indicated radix (10, 16, or 8). This sequence of characters must represent a positive value or a NumberFormatException will be thrown. The result is negated if first character of the specified **String** (p. 3775) is the minus sign. No whitespace characters are permitted in the string.

Parameters

value	- The string to decode

Returns

a **Integer** (p. 2143) object containing the decoded value

Exceptions

NumberFomatException	if the string is not formatted correctly.

6.405.2.6 virtual double decaf::lang::Integer::doubleValue ( ) const [inline, virtual]

Answers the double value which the receiver represents.

Returns

double the value of the receiver.

Implements **decaf::lang::Number** (p. 2919).

6.405.2.7 bool decaf::lang::Integer::equals (const Integer & *i*) const [inline, virtual]

Parameters

i	- the **Integer** (p. 2143) object to compare against.

Returns

true if the two **Integer** (p. 2143) Objects have the same value.

Implements **decaf::lang::Comparable**< **Integer** > (p. 1250).

6.405.2.8 bool decaf::lang::Integer::equals (const int & *i*) const [inline, virtual]

Parameters

i	- the **Integer** (p. 2143) object to compare against.

Returns

true if the two **Integer** (p. 2143) Objects have the same value.

Implements **decaf::lang::Comparable**< **int** > (p. 1250).

6.405.2.9 virtual float decaf::lang::Integer::floatValue ( ) const [inline, virtual]

Answers the float value which the receiver represents.

Returns

float the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.405.2.10 static int decaf::lang::Integer::highestOneBit (int *value*) [static]

Returns an int value with at most a single one-bit, in the position of the highest-order ("leftmost") one-bit in the specified int value.

Returns zero if the specified value has no one-bits in its two's complement binary representation, that is, if it is equal to zero.

Parameters

value	- the int to be inspected

Returns

an int value with a single one-bit, in the position of the highest-order one-bit in the specified value, or zero if the specified value is itself equal to zero.

6.405.2.11 virtual int decaf::lang::Integer::intValue ( ) const [inline, virtual]

Answers the int value which the receiver represents.

Returns

int the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.405.2.12 virtual long long decaf::lang::Integer::longValue ( ) const [inline, virtual]

Answers the long value which the receiver represents.

Returns

long the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.405.2.13 static int decaf::lang::Integer::lowestOneBit (int *value*) [static]

Returns an int value with at most a single one-bit, in the position of the lowest-order ("rightmost") one-bit in the specified int value.

Returns zero if the specified value has no one-bits in its two's complement binary representation, that is, if it is equal to zero.

Parameters

value	- the int to be inspected

Returns

an int value with a single one-bit, in the position of the lowest-order one-bit in the specified value, or zero if the specified value is itself equal to zero.

6.405.2.14 static int decaf::lang::Integer::numberOfLeadingZeros (int *value*) [static]

Returns the number of zero bits preceding the highest-order ("leftmost") one-bit in the two's complement binary representation of the specified int value.

Returns 32 if the specified value has no one-bits in its two's complement representation, in other words if it is equal to zero.

Note that this method is closely related to the logarithm base 2. For all positive int values x:

∗ floor(log2(x)) = 31 - numberOfLeadingZeros(x) ∗ ceil(log2(x)) = 32 - numberOfLeadingZeros(x - 1)

Parameters

value	- the int to be inspected

Returns

the number of zero bits preceding the highest-order ("leftmost") one-bit in the two's complement binary representation of the specified int value, or 32 if the value is equal to zero.

6.405.2.15 static int decaf::lang::Integer::numberOfTrailingZeros (int *value*) [static]

Returns the number of zero bits following the lowest-order ("rightmost") one-bit in the two's complement binary representation of the specified int value.

Returns 32 if the specified value has no one-bits in its two's complement representation, in other words if it is equal to zero.

Parameters

value	- the int to be inspected

Returns

the number of zero bits following the lowest-order ("rightmost") one-bit in the two's complement binary representation of the specified int value, or 32 if the value is equal to zero.

6.405.2.16 virtual bool decaf::lang::Integer::operator< (const int & *i*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

i	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< int >** (p. 1250).

6.405.2.17 virtual bool decaf::lang::Integer::operator< (const Integer & *i*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

i	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< Integer >** (p. 1250).

6.405.2.18 virtual bool decaf::lang::Integer::operator== (const Integer & *i*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

i	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< Integer >** (p. 1250).

6.405.2.19 virtual bool decaf::lang::Integer::operator== (const int & *i*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

i	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< int >** (p. 1250).

6.405.2.20 static int decaf::lang::Integer::parseInt (const std::string & *s*, int *radix*) throw (exceptions::NumberFormatException) [static]

Parses the string argument as a signed int in the radix specified by the second argument.

The characters in the string must all be digits, of the specified radix (as determined by whether **Character.digit(char, int)** (p. 1130) returns a nonnegative value) except that the first character may be an ASCII minus sign '-' to indicate a negative value. The resulting byte value is returned.

An exception of type NumberFormatException is thrown if any of the following situations occurs: ∗ The first argument is null or is a string of length zero. ∗ The radix is either smaller than **Character.MIN_RADIX** (p. 1134) or larger than **Character.MAX_RADIX** (p. 1134). ∗ Any character of the string is not a digit of the specified radix, except that the first character may be a minus sign '-' provided that the string is longer than length 1. ∗ The value represented by the string is not a value of type int.

Parameters

s	- the **String** (p. 3775) containing the int representation to be parsed
radix	- the radix to be used while parsing s

Returns

the int represented by the string argument in the specified radix.

Exceptions

NumberFormatException	- If **String** (p. 3775) does not contain a parsable int.

6.405.2.21 static int decaf::lang::Integer::parseInt (const std::string & *s*) throw (exceptions::NumberFormatException) [static]

Parses the string argument as a signed decimal int.

The characters in the string must all be decimal digits, except that the first character may be an ASCII minus sign '-' to indicate a negative value. The resulting int value is returned, exactly as if the argument and the radix 10 were given as arguments to the parseInteger(const std::string, int) method.

Parameters

s	- **String** (p. 3775) to convert to a int

Returns

the converted int value

Exceptions

NumberFormatException	if the string is not a int.

6.405.2.22 static int decaf::lang::Integer::reverse (int *value*) [static]

Returns the value obtained by reversing the order of the bits in the two's complement binary representation of the specified int value.

Parameters

value	- the value whose bits are to be reversed

Returns

the reversed bits int.

6.405.2.23 static int decaf::lang::Integer::reverseBytes (int *value*) [static]

Returns the value obtained by reversing the order of the bytes in the two's complement representation of the specified int value.

Parameters

value	- the int whose bytes we are to reverse

Returns

the reversed int.

6.405.2.24 static int decaf::lang::Integer::rotateLeft (int *value*, int *distance*) [static]

Returns the value obtained by rotating the two's complement binary representation of the specified int value left by the specified number of bits.

(Bits shifted out of the left hand, or high-order, side reenter on the right, or low-order.)

Note that left rotation with a negative distance is equivalent to right rotation: rotateLeft(val, -distance) == rotateRight(val, distance). Note also that rotation by any multiple of 32 is a no-op, so all but the last five bits of the rotation distance can be ignored, even if the distance is negative: rotateLeft(val, distance) == rotateLeft(val, distance & 0x1F).

Parameters

value	- the int to be inspected
distance	- the number of bits to rotate

Returns

the value obtained by rotating the two's complement binary representation of the specified int value left by the specified number of bits.

6.405.2.25 static int decaf::lang::Integer::rotateRight (int *value*, int *distance*) [static]

Returns the value obtained by rotating the two's complement binary representation of the specified int value right by the specified number of bits.

(Bits shifted out of the right hand, or low-order, side reenter on the left, or high-order.)

Note that right rotation with a negative distance is equivalent to left rotation: rotateRight(val, -distance) == rotateLeft(val, distance). Note also that rotation by any multiple of 32 is a no-op, so all but the last five bits of the rotation distance can be ignored, even if the distance is negative: rotateRight(val, distance) == rotateRight(val, distance & 0x1F).

Parameters

value	- the int to be inspected
distance	- the number of bits to rotate

Returns

the value obtained by rotating the two's complement binary representation of the specified int value right by the specified number of bits.

6.405.2.26 virtual short decaf::lang::Integer::shortValue ( ) const [inline, virtual]

Answers the short value which the receiver represents.

Returns

int the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2920).

6.405.2.27 static int decaf::lang::Integer::signum (int *value*) [static]

Returns the signum function of the specified int value.

(The return value is -1 if the specified value is negative; 0 if the specified value is zero; and 1 if the specified value is positive.)

Parameters

value	- the int to be inspected

Returns

the signum function of the specified int value.

6.405.2.28 static std::string decaf::lang::Integer::toBinaryString (int *value*) [static]

Returns a string representation of the integer argument as an unsigned integer in base 2.

The unsigned integer value is the argument plus 2^32 if the argument is negative; otherwise it is equal to the argument. This value is converted to a string of ASCII digits in binary (base 2) with no extra leading 0s. If the unsigned magnitude is zero, it is represented by a single zero character '0'; otherwise, the first character of the representation of the unsigned magnitude will not be the zero character.

The characters '0' and '1' are used as binary digits.

Parameters

value	- the int to be translated to a binary string

Returns

the unsigned int value as a binary string

6.405.2.29 static std::string decaf::lang::Integer::toHexString (int *value*) [static]

Returns a string representation of the integer argument as an unsigned integer in base 16.

The unsigned integer value is the argument plus 2^32 if the argument is negative; otherwise, it is equal to the argument. This value is converted to a string of ASCII digits in hexadecimal (base 16) with no extra leading 0s. If the unsigned magnitude is zero,

it is represented by a single zero character '0'; otherwise, the first character of the representation of the unsigned magnitude will not be the zero character. The following characters are used as hexadecimal digits:

0123456789abcdef

If uppercase letters are desired, the toUpperCase() method may be called on the result:

Parameters

value	- the int to be translated to an Octal string

Returns

the unsigned int value as a Octal string

6.405.2.30 static std::string decaf::lang::Integer::toOctalString (int *value*) [static]

Returns a string representation of the integer argument as an unsigned integer in base 8.

The unsigned integer value is the argument plus 2^32 if the argument is negative; otherwise, it is equal to the argument. This value is converted to a string of ASCII digits in octal (base 8) with no extra leading 0s.

If the unsigned magnitude is zero, it is represented by a single zero character '0'; otherwise, the first character of the representation of the unsigned magnitude will not be the zero character. The following characters are used as octal digits:

01234567

Parameters

value	- the int to be translated to an Octal string

Returns

the unsigned int value as a Octal string

6.405.2.31 std::string decaf::lang::Integer::toString ( ) const

Returns

this **Integer** (p. 2143) Object as a **String** (p. 3775) Representation

6.405.2.32 static std::string decaf::lang::Integer::toString (int *value*, int *radix*) [static]

Returns a string representation of the first argument in the radix specified by the second argument.

If the radix is smaller than **Character.MIN_RADIX** (p. 1134) or larger than **Character.MAX_RADIX** (p. 1134), then the radix 10 is used instead.

If the first argument is negative, the first element of the result is the ASCII minus character '-'. If the first argument is not negative, no sign character appears in the result.

The remaining characters of the result represent the magnitude of the first argument. If the magnitude is zero, it is represented by a single zero character '0'; otherwise, the first character of the representation of the magnitude will not be the zero character. The following ASCII characters are used as digits:

0123456789abcdefghijklmnopqrstuvwxyz

Parameters

value	- the int to convert to a string
radix	- the radix to format the string in

Returns

an int formatted to the string value of the radix given.

6.405.2.33 static std::string decaf::lang::Integer::toString (int *value*) [static]

Converts the int to a **String** (p. 3775) representation.

Parameters

value	The int to convert to a `std::string` instance.

Returns

string representation

6.405.2.34 static Integer decaf::lang::Integer::valueOf (const std::string & *value*, int *radix*) throw (exceptions::NumberFormatException) [static]

Returns a **Integer** (p. 2143) object holding the value extracted from the specified std::string when parsed with the radix given by the second argument.

The first argument is interpreted as representing a signed int in the radix specified by the second argument, exactly as if the argument were given to the parseInt(std::string, int) method. The result is a **Integer** (p. 2143) object that represents the int value specified by the string.

Parameters

value	- std::string to parse as base (radix)
radix	- base of the string to parse.

Returns

new **Integer** (p. 2143) Object wrapping the primitive

Exceptions

NumberFormatException	if the string is not a valid int.

6.405.2.35 static Integer decaf::lang::Integer::valueOf (int *value*) [inline, static]

Returns a **Integer** (p. 2143) instance representing the specified int value.

Parameters

value	- the int to wrap

Returns

the new **Integer** (p. 2143) object wrapping value.

6.405.2.36 static Integer decaf::lang::Integer::valueOf (const std::string & *value*) throw (exceptions::NumberFormatException) [static]

Returns a **Integer** (p. 2143) object holding the value given by the specified std::string.

The argument is interpreted as representing a signed decimal int, exactly as if the argument were given to the parseInt(std::string) method. The result is a **Integer** (p. 2143) object that represents the int value specified by the string.

Parameters

value	- std::string to parse as base 10

Returns

new **Integer** (p. 2143) Object wrapping the primitive

Exceptions

NumberFormatException	if the string is not a decimal int.

6.405.3 Field Documentation

6.405.3.1 const int decaf::lang::Integer::MAX_VALUE = (int)0x7FFFFFFF [static]

The maximum value that the primitive type can hold.

6.405.3.2 const int decaf::lang::Integer::MIN_VALUE = (int)0x80000000 [static]

The minimum value that the primitive type can hold.

6.405.3.3 const int decaf::lang::Integer::SIZE = 32 [static]

The size in bits of the primitive int type.

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Integer.h**

6.406 activemq::commands::IntegerResponse Class Reference

`#include <src/main/activemq/commands/IntegerResponse.h>`

Inheritance diagram for activemq::commands::IntegerResponse:

Public Member Functions

- **IntegerResponse** ()
- virtual ~**IntegerResponse** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **IntegerResponse** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual int **getResult** () const
- virtual void **setResult** (int **result**)

Static Public Attributes

- static const unsigned char **ID_INTEGERRESPONSE** = 34

Protected Attributes

- int **result**

6.406.1 Constructor & Destructor Documentation

6.406.1.1 activemq::commands::IntegerResponse::IntegerResponse ( )

6.406.1.2 virtual activemq::commands::IntegerResponse::~IntegerResponse ( ) [virtual]

6.406.2 Member Function Documentation

6.406.2.1 virtual IntegerResponse* activemq::commands::IntegerResponse::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::Response** (p. 3380).

6.406.2.2 virtual void activemq::commands::IntegerResponse::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::Response** (p. 3380).

6.406.2.3 virtual bool activemq::commands::IntegerResponse::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::Response** (p. 3381).

6.406.2.4 virtual unsigned char activemq::commands::IntegerResponse::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::Response** (p. 3381).

6.406.2.5 virtual int activemq::commands::IntegerResponse::getResult ( ) const [virtual]

6.406.2.6 virtual void activemq::commands::IntegerResponse::setResult (int *result*) [virtual]

6.406.2.7 virtual std::string activemq::commands::IntegerResponse::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::Response** (p. 3382).

6.406.3 Field Documentation

6.406.3.1 const unsigned char activemq::commands::IntegerResponse::ID_-INTEGERRESPONSE = 34 [static]

6.406.3.2 int activemq::commands::IntegerResponse::result [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**IntegerResponse.h**

6.407 activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2162).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/IntegerResponseMarshalle`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller:

Public Member Functions

- **IntegerResponseMarshaller** ()
- virtual ~**IntegerResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.407.1 Detailed Description

Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2162). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.407.2 Constructor & Destructor Documentation

6.407.2.1 activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller::IntegerResponseMarshaller ( ) [inline]

6.407.2.2 virtual activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller::~IntegerResponseMarshaller ( ) [inline, virtual]

6.407.3 Member Function Documentation

6.407.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415).

6.407.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415).

6.407.3.3 virtual void activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3415).

6.407.3.4 virtual void activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3416).

6.407.3.5 virtual int activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3417).

6.407.3.6 virtual void activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3417).

6.407.3.7 virtual void activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller** (p. 3418).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**IntegerResponseMarshaller.h**

6.408 activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2167).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/IntegerResponseMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller:

Public Member Functions

- **IntegerResponseMarshaller** ()
- virtual ~**IntegerResponseMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.408.1 Detailed Description

Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2167). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.408.2 Constructor & Destructor Documentation

6.408.2.1 activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller::IntegerResponseMarshaller ( ) [inline]

6.408.2.2 virtual activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller::∼IntegerResponseMarshaller ( ) [inline, virtual]

6.408.3 Member Function Documentation

6.408.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395).

6.408.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395).

6.408.3.3 virtual void activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3395).

6.408.3.4 virtual void activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3396).

6.408.3.5 virtual int activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3397).

6.408.3.6 virtual void activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3397).

6.408.3.7 virtual void activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller** (p. 3398).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**IntegerResponseMarshaller.h**

6.409 activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2171).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/IntegerResponseMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller:

Public Member Functions

- **IntegerResponseMarshaller** ()
- virtual ~**IntegerResponseMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.409.1 Detailed Description

Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2171). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.409.2 Constructor & Destructor Documentation

6.409.2.1 activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller::IntegerResponseMarshaller ( ) [inline]

6.409.2.2 virtual activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller::∼IntegerResponseMarshaller ( ) [inline, virtual]

6.409.3 Member Function Documentation

6.409.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405).

6.409.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405).

6.409.3.3 virtual void activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3405).

6.409.3.4 virtual void activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3406).

6.409.3.5 virtual int activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3407).

6.409.3.6 virtual void activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3407).

6.409.3.7 virtual void activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller** (p. 3408).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**IntegerResponseMarshaller.h**

6.410 activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2175).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/IntegerResponseMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller:

Public Member Functions

- **IntegerResponseMarshaller** ()
- virtual ~**IntegerResponseMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.410.1 Detailed Description

Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2175). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.410.2 Constructor & Destructor Documentation

6.410.2.1 activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller::IntegerResponseMarshaller ( ) [inline]

6.410.2.2 virtual activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller::~IntegerResponseMarshaller ( ) [inline, virtual]

6.410.3 Member Function Documentation

6.410.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390).

6.410.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390).

6.410.3.3 virtual void activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3390).

6.410.3.4 virtual void activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3391).

6.410.3.5 virtual int activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3392).

6.410.3.6 virtual void activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3392).

6.410.3.7 virtual void activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller** (p. 3393).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**IntegerResponseMarshaller.h**

6.411 activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2180).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/IntegerResponse`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller:

Public Member Functions

- **IntegerResponseMarshaller** ()
- virtual ∼**IntegerResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.411.1 Detailed Description

Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2180). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.411.2 Constructor & Destructor Documentation

6.411.2.1 activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller::IntegerResponseMarshaller ( ) [inline]

6.411.2.2 virtual activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller::~IntegerResponseMarshaller ( ) [inline, virtual]

6.411.3 Member Function Documentation

6.411.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410).

6.411.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410).

6.411.3.3 virtual void activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3410).

6.411.3.4 virtual void activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3411).

6.411.3.5 virtual int activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3412).

6.411.3.6 virtual void activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3412).

6.411.3.7 virtual void activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller** (p. 3413).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**IntegerResponseMarshaller.h**

6.412 activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2184).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/IntegerResponse`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller:

Public Member Functions

- **IntegerResponseMarshaller** ()
- virtual ~**IntegerResponseMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.412.1 Detailed Description

Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2184).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.412.2 Constructor & Destructor Documentation

6.412.2.1 activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller::IntegerResponseMarshaller ( ) [inline]

6.412.2.2 virtual activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller::∼IntegerResponseMarshaller ( ) [inline, virtual]

6.412.3 Member Function Documentation

6.412.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400).

6.412.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400).

6.412.3.3 virtual void activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3400).

6.412.3.4 virtual void activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3401).

6.412.3.5 virtual int activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3402).

6.412.3.6 virtual void activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3402).

6.412.3.7 virtual void activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller** (p. 3403).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**IntegerResponseMarshaller.h**

6.413 internal_state Struct Reference

```
#include <src/main/decaf/internal/util/zip/deflate.h>
```

Data Fields

- **z_streamp strm**
- int **status**
- **Bytef * pending_buf**
- **ulg pending_buf_size**
- **Bytef * pending_out**
- **uInt pending**
- int **wrap**
- **gz_headerp gzhead**

- **uInt gzindex**
- **Byte method**
- int **last_flush**
- **uInt w_size**
- **uInt w_bits**
- **uInt w_mask**
- **Bytef** ∗ **window**
- **ulg window_size**
- **Posf** ∗ **prev**
- **Posf** ∗ **head**
- **uInt ins_h**
- **uInt hash_size**
- **uInt hash_bits**
- **uInt hash_mask**
- **uInt hash_shift**
- long **block_start**
- **uInt match_length**
- **IPos prev_match**
- int **match_available**
- **uInt strstart**
- **uInt match_start**
- **uInt lookahead**
- **uInt prev_length**
- **uInt max_chain_length**
- **uInt max_lazy_match**
- int **level**
- int **strategy**
- **uInt good_match**
- int **nice_match**
- struct **ct_data_s dyn_ltree** [HEAP_SIZE]
- struct **ct_data_s dyn_dtree** [2 ∗D_CODES+1]
- struct **ct_data_s bl_tree** [2 ∗BL_CODES+1]
- struct **tree_desc_s l_desc**
- struct **tree_desc_s d_desc**
- struct **tree_desc_s bl_desc**
- **ush bl_count** [MAX_BITS+1]
- int **heap** [2 ∗L_CODES+1]
- int **heap_len**
- int **heap_max**
- **uch depth** [2 ∗L_CODES+1]
- **uchf** ∗ **l_buf**
- **uInt lit_bufsize**
- **uInt last_lit**
- **ushf** ∗ **d_buf**
- **ulg opt_len**
- **ulg static_len**

- **uInt matches**

- int **last_eob_len**

- **ush bi_buf**

- int **bi_valid**

- **ulg high_water**

- int **dummy**

6.413.1 Field Documentation

6.413.1.1 ush internal_state::bi_buf

6.413.1.2 int internal_state::bi_valid

6.413.1.3 ush internal_state::bl_count[MAX_BITS+1]

6.413.1.4 struct tree_desc_s internal_state::bl_desc

6.413.1.5 struct ct_data_s internal_state::bl_tree[2 ∗BL_CODES+1]

6.413.1.6 long internal_state::block_start

6.413.1.7 ushf∗ internal_state::d_buf

6.413.1.8 struct tree_desc_s internal_state::d_desc

6.413.1.9 uch internal_state::depth[2 ∗L_CODES+1]

6.413.1.10 int internal_state::dummy

6.413.1.11 struct ct_data_s internal_state::dyn_dtree[2 ∗D_CODES+1]

6.413.1.12 struct ct_data_s internal_state::dyn_ltree[HEAP_SIZE]

6.413.1.13 uInt internal_state::good_match

6.413.1.14 gz_headerp internal_state::gzhead

6.413.1.15 uInt internal_state::gzindex

6.413.1.16 uInt internal_state::hash_bits

6.413.1.17 uInt internal_state::hash_mask

6.413.1.18 uInt internal_state::hash_shift

6.413.1.19 uInt internal_state::hash_size

6.413.1.20 Posf∗ internal_state::head

6.413.1.21 int internal_state::heap[2 ∗L_CODES+1]

6.413.1.22 int internal_state::heap_len

6.413.1.23 int internal_state::heap_max

6.413.1.24 ulg internal_state::high_water

6.413.1.25 uInt internal_state::ins_h

6.413.1.26 uchf∗ internal_state::l_buf

6.413.1.27 struct tree_desc_s internal_state::l_desc

6.413.1.28 int internal_state::last_eob_len

6.413.1.29 int internal_state::last_flush

- src/main/decaf/internal/util/zip/**deflate.h**
- src/main/decaf/internal/util/zip/**zlib.h**

6.414 activemq::transport::mock::InternalCommandListener Class Reference

Listens for Commands sent from the **MockTransport** (p. 2854).

`#include <src/main/activemq/transport/mock/InternalCommandListener.h>`

Inheritance diagram for activemq::transport::mock::InternalCommandListener:

Public Member Functions

- **InternalCommandListener** ()
- virtual ~**InternalCommandListener** ()
- void **setTransport** (**MockTransport** *transport)
- void **setResponseBuilder** (const **Pointer**< **ResponseBuilder** > &responseBuilder)
- virtual void **onCommand** (const **Pointer**< **Command** > &command)

  Event handler for the receipt of a command.

- void **run** ()

  Default implementation of the run method - does nothing.

6.414.1 Detailed Description

Listens for Commands sent from the **MockTransport** (p. 2854). This class processes all outbound commands and sends responses that are constructed by calling the Protocol provided **ResponseBuilder** (p. 3382) and getting a set of Commands to send back into the **MockTransport** (p. 2854) as incoming Commands and Responses.

6.414.2 Constructor & Destructor Documentation

6.414.2.1 activemq::transport::mock::InternalCommandListener::InternalCommandListener ( )

6.414.2.2 virtual activemq::transport::mock::InternalCommandListener::~InternalCommandListener ( ) [virtual]

6.414.3 Member Function Documentation

6.414.3.1 virtual void activemq::transport::mock::InternalCommandListener::onCommand (const Pointer< Command > & *command*) [virtual]

Event handler for the receipt of a command.

The transport passes off all received commands to its listeners, the listener then owns the Object. If there is no registered listener the **Transport** (p. 3996) deletes the command upon receipt.

Parameters

command	the received command object.

Implements **activemq::transport::TransportListener** (p. 4014).

6.414.3.2 void activemq::transport::mock::InternalCommandListener::run ( ) [virtual]

Default implementation of the run method - does nothing.

Reimplemented from **decaf::lang::Thread** (p. 3884).

6.414.3.3 void activemq::transport::mock::InternalCommandListener::setResponseBuilder (const Pointer< ResponseBuilder > & *responseBuilder*) [inline]

6.414.3.4 void activemq::transport::mock::InternalCommandListener::setTransport (MockTransport * *transport*) [inline]

The documentation for this class was generated from the following file:

- src/main/activemq/transport/mock/**InternalCommandListener.h**

6.415 decaf::lang::exceptions::InterruptedException Class Reference

```
#include <src/main/decaf/lang/exceptions/InterruptedException.h>
```

Inheritance diagram for decaf::lang::exceptions::InterruptedException:

Public Member Functions

- **InterruptedException** () throw ()

  Default Constructor.

- **InterruptedException** (const **Exception** &ex) throw ()

  *Conversion Constructor from some other **Exception** (p. 1886).*

- **InterruptedException** (const **InterruptedException** &ex) throw ()

  Copy Constructor.

- **InterruptedException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **InterruptedException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **InterruptedException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **InterruptedException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**InterruptedException** () throw ()

6.415.1 Constructor & Destructor Documentation

6.415.1.1 decaf::lang::exceptions::InterruptedException::InterruptedException ( ) throw () [inline]

Default Constructor.

6.415.1.2 decaf::lang::exceptions::InterruptedException::InterruptedException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other **Exception** (p. 1886).

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.415.1.3 decaf::lang::exceptions::InterruptedException::InterruptedException (const InterruptedException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.415.1.4 decaf::lang::exceptions::InterruptedException::InterruptedException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.415.1.5 decaf::lang::exceptions::InterruptedException::InterruptedException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.415.1.6 decaf::lang::exceptions::InterruptedException::InterruptedException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.415.1.7 virtual decaf::lang::exceptions::InterruptedException::~InterruptedException ( ) throw () [inline, virtual]

6.415.2 Member Function Documentation

6.415.2.1 virtual InterruptedException* decaf::lang::exceptions::InterruptedException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

an new **Exception** (p. 1886) instance that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/exceptions/**InterruptedException.h**

6.416 decaf::io::InterruptedIOException Class Reference

`#include <src/main/decaf/io/InterruptedIOException.h>`

Inheritance diagram for decaf::io::InterruptedIOException:

Public Member Functions

- **InterruptedIOException** () throw ()

  Default Constructor.

- **InterruptedIOException** (const **lang::Exception** &ex) throw ()

  Copy Constructor.

- **InterruptedIOException** (const **InterruptedIOException** &ex) throw ()

  Copy Constructor.

- **InterruptedIOException** (const char *file, const int lineNumber, const std::exception ***cause**, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **InterruptedIOException** (const std::exception ***cause**) throw ()

Constructor.

- **InterruptedIOException** (const char *file, const int lineNumber, const char *msg,...) throw ()

  Constructor.

- virtual **InterruptedIOException** * **clone** () const

  Clones this exception.

- virtual ~**InterruptedIOException** () throw ()

6.416.1 Constructor & Destructor Documentation

6.416.1.1 decaf::io::InterruptedIOException::InterruptedIOException ( ) throw () [inline]

Default Constructor.

6.416.1.2 decaf::io::InterruptedIOException::InterruptedIOException (const lang::Exception & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy

6.416.1.3 decaf::io::InterruptedIOException::InterruptedIOException (const InterruptedIOException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy, which is an instance of this type

6.416.1.4 decaf::io::InterruptedIOException::InterruptedIOException (const char * *file,* const int *lineNumber,* const std::exception * *cause,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs

lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.416.1.5 decaf::io::InterruptedIOException::InterruptedIOException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.416.1.6 decaf::io::InterruptedIOException::InterruptedIOException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor.

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.416.1.7 virtual decaf::io::InterruptedIOException::~InterruptedIOException ( ) throw () [inline, virtual]

6.416.2 Member Function Documentation

6.416.2.1 virtual InterruptedIOException* decaf::io::InterruptedIOException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new exception that is a copy of this one.

Reimplemented from **decaf::io::IOException** (p. 2212).

Reimplemented in **decaf::net::SocketTimeoutException** (p. 3652).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**InterruptedIOException.h**

6.417 cms::InvalidClientIdException Class Reference

This exception must be thrown when a client attempts to set a connection's client ID to a value that is rejected by a provider.

`#include <src/main/cms/InvalidClientIdException.h>`

Inheritance diagram for cms::InvalidClientIdException:

Public Member Functions

- **InvalidClientIdException** () throw ()
- **InvalidClientIdException** (const **InvalidClientIdException** &ex) throw ()
- **InvalidClientIdException** (const std::string &message, const std::exception *cause) throw ()
- **InvalidClientIdException** (const std::string &message, const std::exception *cause, const std::vector< std::pair< std::string, int > > &stackTrace) throw ()
- virtual ~**InvalidClientIdException** () throw ()

6.417.1 Detailed Description

This exception must be thrown when a client attempts to set a connection's client ID to a value that is rejected by a provider.

Since

1.3

6.417.2 Constructor & Destructor Documentation

6.417.2.1 cms::InvalidClientIdException::InvalidClientIdException ( ) throw ()

6.417.2.2 cms::InvalidClientIdException::InvalidClientIdException (const InvalidClientIdException & *ex*) throw ()

6.417.2.3 cms::InvalidClientIdException::InvalidClientIdException (const std::string & *message*, const std::exception * *cause*) throw ()

6.417.2.4 cms::InvalidClientIdException::InvalidClientIdException (const std::string & *message*, const std::exception * *cause*, const std::vector< std::pair< std::string, int > > & *stackTrace*) throw ()

6.417.2.5 virtual cms::InvalidClientIdException::~InvalidClientIdException ( ) throw () [virtual]

The documentation for this class was generated from the following file:

- src/main/cms/**InvalidClientIdException.h**

6.418 cms::InvalidDestinationException Class Reference

This exception must be thrown when a destination either is not understood by a provider or is no longer valid.

`#include <src/main/cms/InvalidDestinationException.h>`

Inheritance diagram for cms::InvalidDestinationException:

Public Member Functions

- **InvalidDestinationException** () throw ()
- **InvalidDestinationException** (const **InvalidDestinationException** &ex) throw ()
- **InvalidDestinationException** (const std::string &message, const std::exception *cause) throw ()
- **InvalidDestinationException** (const std::string &message, const std::exception *cause, const std::vector< std::pair< std::string, int > > &stackTrace) throw ()
- virtual ~**InvalidDestinationException** () throw ()

6.418.1 Detailed Description

This exception must be thrown when a destination either is not understood by a provider or is no longer valid.

Since

1.3

6.418.2 Constructor & Destructor Documentation

6.418.2.1 cms::InvalidDestinationException::InvalidDestinationException ( ) throw ()

6.418.2.2 cms::InvalidDestinationException::InvalidDestinationException (const InvalidDestinationException & *ex*) throw ()

6.418.2.3 cms::InvalidDestinationException::InvalidDestinationException (const std::string & *message,* const std::exception ∗ *cause*) throw ()

6.418.2.4 cms::InvalidDestinationException::InvalidDestinationException (const std::string & *message,* const std::exception ∗ *cause,* const std::vector< std::pair< std::string, int > > & *stackTrace*) throw ()

6.418.2.5 virtual cms::InvalidDestinationException::∼InvalidDestinationException ( ) throw () [virtual]

The documentation for this class was generated from the following file:

- src/main/cms/**InvalidDestinationException.h**

6.419 decaf::security::InvalidKeyException Class Reference

`#include <src/main/decaf/security/InvalidKeyException.h>`

Inheritance diagram for decaf::security::InvalidKeyException:

Public Member Functions

- **InvalidKeyException** () throw ()

  Default Constructor.

- **InvalidKeyException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **InvalidKeyException** (const **InvalidKeyException** &ex) throw ()

  Copy Constructor.

- **InvalidKeyException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

Constructor - Initializes the file name and line number where this message occurred.

- **InvalidKeyException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **InvalidKeyException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occured.

- virtual **InvalidKeyException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**InvalidKeyException** () throw ()

6.419.1 Constructor & Destructor Documentation

6.419.1.1 decaf::security::InvalidKeyException::InvalidKeyException ( ) throw () [inline]

Default Constructor.

6.419.1.2 decaf::security::InvalidKeyException::InvalidKeyException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.419.1.3 decaf::security::InvalidKeyException::InvalidKeyException (const InvalidKeyException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.419.1.4 decaf::security::InvalidKeyException::InvalidKeyException (const char ∗ *file,* const int *lineNumber,* const std::exception ∗ *cause,* const char ∗ *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.419.1.5 decaf::security::InvalidKeyException::InvalidKeyException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.419.1.6 decaf::security::InvalidKeyException::InvalidKeyException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occured.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	name where exception occurs
lineNumber	line number where the exception occurred.
msg	message to report
...	list of primitives that are formatted into the message

6.419.1.7 virtual decaf::security::InvalidKeyException::~InvalidKeyException ( ) throw () [inline, virtual]

6.419.2 Member Function Documentation

6.419.2.1 virtual InvalidKeyException* decaf::security::InvalidKeyException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A deep copy of this exception.

Reimplemented from **decaf::security::KeyException** (p. 2368).

The documentation for this class was generated from the following file:

- src/main/decaf/security/**InvalidKeyException.h**

6.420 decaf::nio::InvalidMarkException Class Reference

`#include <src/main/decaf/nio/InvalidMarkException.h>`

Inheritance diagram for decaf::nio::InvalidMarkException:

Public Member Functions

- **InvalidMarkException** () throw ()

  Default Constructor.

- **InvalidMarkException** (const **lang::Exception** &ex) throw ()

  Conversion Constructor from some other Exception.

- **InvalidMarkException** (const **InvalidMarkException** &ex) throw ()

  Copy Constructor.

- **InvalidMarkException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **InvalidMarkException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **InvalidMarkException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **InvalidMarkException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**InvalidMarkException** () throw ()

6.420.1 Constructor & Destructor Documentation

6.420.1.1 decaf::nio::InvalidMarkException::InvalidMarkException ( ) throw () [inline]

Default Constructor.

6.420.1.2 decaf::nio::InvalidMarkException::InvalidMarkException (const lang::Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	The Exception whose state data is to be copied into this Exception.

6.420.1.3 decaf::nio::InvalidMarkException::InvalidMarkException (const InvalidMarkException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The Exception whose state data is to be copied into this Exception.

6.420.1.4 decaf::nio::InvalidMarkException::InvalidMarkException (const char * *file,* const int *lineNumber,* const std::exception * *cause,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.420.1.5 decaf::nio::InvalidMarkException::InvalidMarkException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.420.1.6 decaf::nio::InvalidMarkException::InvalidMarkException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.420.1.7 virtual decaf::nio::InvalidMarkException::~InvalidMarkException ( ) throw () [inline, virtual]

6.420.2 Member Function Documentation

6.420.2.1 virtual InvalidMarkException* decaf::nio::InvalidMarkException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A new Exception instance that is a copy of this Exception.

Reimplemented from **decaf::lang::exceptions::IllegalStateException** (p. 2062).

The documentation for this class was generated from the following file:

- src/main/decaf/nio/**InvalidMarkException.h**

6.421 cms::InvalidSelectorException Class Reference

This exception must be thrown when a CMS client attempts to give a provider a message selector with invalid syntax.

```
#include <src/main/cms/InvalidSelectorException.h>
```

Inheritance diagram for cms::InvalidSelectorException:

Public Member Functions

- **InvalidSelectorException** () throw ()
- **InvalidSelectorException** (const **InvalidSelectorException** &ex) throw ()
- **InvalidSelectorException** (const std::string &message, const std::exception ∗cause) throw ()
- **InvalidSelectorException** (const std::string &message, const std::exception ∗cause, const std::vector< std::pair< std::string, int > > &stackTrace) throw ()
- virtual ∼**InvalidSelectorException** () throw ()

6.421.1 Detailed Description

This exception must be thrown when a CMS client attempts to give a provider a message selector with invalid syntax.

Since

1.3

6.421.2 Constructor & Destructor Documentation

6.421.2.1 cms::InvalidSelectorException::InvalidSelectorException ( ) throw ()

6.421.2.2 cms::InvalidSelectorException::InvalidSelectorException (const InvalidSelectorException & *ex*) throw ()

6.421.2.3 cms::InvalidSelectorException::InvalidSelectorException (const std::string & *message,* const std::exception ∗ *cause*) throw ()

6.421.2.4 cms::InvalidSelectorException::InvalidSelectorException (const std::string & *message,* const std::exception ∗ *cause,* const std::vector< std::pair< std::string, int > > & *stackTrace*) throw ()

6.421.2.5 virtual cms::InvalidSelectorException::∼InvalidSelectorException ( ) throw () [virtual]

The documentation for this class was generated from the following file:

- src/main/cms/**InvalidSelectorException.h**

6.422 decaf::lang::exceptions::InvalidStateException Class Reference

`#include <src/main/decaf/lang/exceptions/InvalidStateException.h>`

Inheritance diagram for decaf::lang::exceptions::InvalidStateException:

Public Member Functions

- **InvalidStateException** () throw ()

  Default Constructor.

- **InvalidStateException** (const **Exception** &ex) throw ()

  *Conversion Constructor from some other **Exception** (p. 1886).*

- **InvalidStateException** (const **InvalidStateException** &ex) throw ()

  Copy Constructor.

- **InvalidStateException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **InvalidStateException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **InvalidStateException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **InvalidStateException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**InvalidStateException** () throw ()

6.422.1 Constructor & Destructor Documentation

6.422.1.1 decaf::lang::exceptions::InvalidStateException::InvalidStateException ( ) throw () [inline]

Default Constructor.

6.422.1.2 decaf::lang::exceptions::InvalidStateException::InvalidStateException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other **Exception** (p. 1886).

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.422.1.3 decaf::lang::exceptions::InvalidStateException::InvalidStateException (const InvalidStateException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.422.1.4 decaf::lang::exceptions::InvalidStateException::InvalidStateException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.422.1.5 decaf::lang::exceptions::InvalidStateException::InvalidStateException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.422.1.6 decaf::lang::exceptions::InvalidStateException::InvalidStateException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.422.1.7 virtual decaf::lang::exceptions::InvalidStateException::~InvalidStateException ( ) throw () [inline, virtual]

6.422.2 Member Function Documentation

6.422.2.1 virtual InvalidStateException* decaf::lang::exceptions::InvalidStateException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

an new **Exception** (p. 1886) instance that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/exceptions/**InvalidStateException.h**

6.423 decaf::io::IOException Class Reference

`#include <src/main/decaf/io/IOException.h>`

Inheritance diagram for decaf::io::IOException:

Public Member Functions

- **IOException** () throw ()

  Default Constructor.

- **IOException** (const **lang::Exception** &ex) throw ()

  Copy Constructor.

- **IOException** (const **IOException** &ex) throw ()

  Copy Constructor.

- **IOException** (const char *file, const int lineNumber, const std::exception ***cause**, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **IOException** (const std::exception ***cause**) throw ()

Constructor.

- **IOException** (const char *file, const int lineNumber, const char *msg,...) throw ()

  Constructor.

- virtual **IOException** * **clone** () const

  Clones this exception.

- virtual ~**IOException** () throw ()

6.423.1 Constructor & Destructor Documentation

6.423.1.1 decaf::io::IOException::IOException ( ) throw () [inline]

Default Constructor.

6.423.1.2 decaf::io::IOException::IOException (const lang::Exception & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy

6.423.1.3 decaf::io::IOException::IOException (const IOException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy, which is an instance of this type

6.423.1.4 decaf::io::IOException::IOException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.

cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.423.1.5 decaf::io::IOException::IOException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.423.1.6 decaf::io::IOException::IOException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor.

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.423.1.7 virtual decaf::io::IOException::~IOException ( ) throw () [inline, virtual]

6.423.2 Member Function Documentation

6.423.2.1 virtual IOException* decaf::io::IOException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new instance of an Exception that is a copy of this instance.

Reimplemented from **decaf::lang::Exception** (p. 1889).

Reimplemented in **decaf::internal::net::ssl::openssl::OpenSSLSocketException** (p. 2958), **decaf::io::EOFException** (p. 1883), **decaf::io::InterruptedIOException** (p. 2198),

decaf::io::UnsupportedEncodingException (p. 4027), **decaf::io::UTFDataFormatException** (p. 4080), **decaf::net::BindException** (p. 844), **decaf::net::ConnectException** (p. 1296), **decaf::net::HttpRetryException** (p. 2051), **decaf::net::MalformedURLException** (p. 2538), **decaf::net::NoRouteToHostException** (p. 2907), **decaf::net::PortUnreachableException** (p. 3062), **decaf::net::ProtocolException** (p. 3230), **decaf::net::SocketException** (p. 3629), **decaf::net::SocketTimeoutException** (p. 3652), **decaf::net::UnknownHostException** (p. 4022), **decaf::net::UnknownServiceException** (p. 4024), and **decaf::util::zip::ZipException** (p. 4178).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**IOException.h**

6.424 activemq::transport::IOTransport Class Reference

Implementation of the **Transport** (p. 3996) interface that performs marshaling of commands to IO streams.

`#include <src/main/activemq/transport/IOTransport.h>`

Inheritance diagram for activemq::transport::IOTransport:

Public Member Functions

- **IOTransport** ()

  Default Constructor.

- **IOTransport** (const **Pointer**< **wireformat::WireFormat** > &wireFormat)

  *Create an instance of this **Transport** (p. 3996) and assign its WireFormat instance at creation time.*

- virtual ~**IOTransport** ()
- virtual void **oneway** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends a one-way command.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Not supported by this class - throws an exception.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command, unsigned int timeout) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Not supported by this class - throws an exception.

- virtual void **setWireFormat** (const **Pointer**< **wireformat::WireFormat** > &wireFormat)

  Sets the WireFormat instance to use.

- virtual void **setTransportListener** (**TransportListener** *listener)

  Sets the observer of asynchronous exceptions from this transport.

- virtual **TransportListener** * **getTransportListener** () const

  Gets the observer of asynchronous exceptions from this transport.

- virtual void **setInputStream** (**decaf::io::DataInputStream** *is)

  Sets the input stream for in-coming commands.

- virtual void **setOutputStream** (**decaf::io::DataOutputStream** *os)

  Sets the output stream for out-going commands.

- virtual void **start** () throw (decaf::io::IOException)

  Starts this transport object and creates the thread for polling on the input stream for commands.

- virtual void **stop** () throw (decaf::io::IOException)

  *Stops the **Transport** (p. 3996), terminating any threads and stopping all read and write operations.*

- virtual void **close** () throw (decaf::io::IOException)

  Stops the polling thread and closes the streams.

- virtual void **run** ()

  Runs the polling thread.

- virtual **Transport** * **narrow** (const std::type_info &typeId)

  *Narrows down a Chain of Transports to a specific **Transport** (p. 3996) to allow a higher level transport to skip intermediate Transports in certain circumstances.*

- virtual bool **isFaultTolerant** () const

  *Is this **Transport** (p. 3996) fault tolerant, meaning that it will reconnect to a broker on disconnect.*

- virtual bool **isConnected** () const

  *Is the **Transport** (p. 3996) Connected to its Broker.*

- virtual bool **isClosed** () const

  *Has the **Transport** (p. 3996) been shutdown and no longer usable.*

- virtual std::string **getRemoteAddress** () const

- virtual void **reconnect** (const **decaf::net::URI** &uri AMQCPP_UNUSED) throw (decaf::io::IOException)

  reconnect to another location

6.424.1 Detailed Description

Implementation of the **Transport** (p. 3996) interface that performs marshaling of commands to IO streams. This class does not implement the request method, it only handles oneway messages. A thread polls on the input stream for in-coming commands. When a command is received, the command listener is notified. The polling thread is not started until the start method is called. The close method will close the associated streams. Close can be called explicitly by the user, but is also called in the destructor. Once this object has been closed, it cannot be restarted.

6.424.2 Constructor & Destructor Documentation

6.424.2.1 activemq::transport::IOTransport::IOTransport ( )

Default Constructor.

6.424.2.2 activemq::transport::IOTransport::IOTransport (const Pointer< wireformat::WireFormat > & *wireFormat*)

Create an instance of this **Transport** (p. 3996) and assign its WireFormat instance at creation time.

Parameters

wireFormat	Data encoder / decoder to use when reading and writing.

6.424.2.3 virtual activemq::transport::IOTransport::~IOTransport ( ) [virtual]

6.424.3 Member Function Documentation

6.424.3.1 virtual void activemq::transport::IOTransport::close ( ) throw (decaf::io::IOException) [virtual]

Stops the polling thread and closes the streams.

This can be called explicitly, but is also called in the destructor. Once this object has been closed, it cannot be restarted.

Exceptions

IOException	if errors occur.

Implements **decaf::io::Closeable** (p. 1181).

6.424.3.2 virtual std::string activemq::transport::IOTransport::getRemoteAddress ( ) const [inline, virtual]

Returns

the remote address for this connection

Implements **activemq::transport::Transport** (p. 3998).

6.424.3.3 virtual TransportListener* activemq::transport::IOTransport::getTransportListener ( ) const [inline, virtual]

Gets the observer of asynchronous exceptions from this transport.

Returns

The listener of transport events.

Implements **activemq::transport::Transport** (p. 3998).

6.424.3.4 virtual bool activemq::transport::IOTransport::isClosed ( ) const [inline, virtual]

Has the **Transport** (p. 3996) been shutdown and no longer usable.

Returns

true if the **Transport** (p. 3996)

Implements **activemq::transport::Transport** (p. 3998).

6.424.3.5 virtual bool activemq::transport::IOTransport::isConnected ( ) const [inline, virtual]

Is the **Transport** (p. 3996) Connected to its Broker.

Returns

true if a connection has been made.

Implements **activemq::transport::Transport** (p. 3998).

6.424.3.6 virtual bool activemq::transport::IOTransport::isFaultTolerant ( ) const [inline, virtual]

Is this **Transport** (p. 3996) fault tolerant, meaning that it will reconnect to a broker on disconnect.

Returns

true if the **Transport** (p. 3996) is fault tolerant.

Implements **activemq::transport::Transport** (p. 3999).

6.424.3.7 virtual Transport* activemq::transport::IOTransport::narrow (const std::type_info & *typeId*) [inline, virtual]

Narrows down a Chain of Transports to a specific **Transport** (p. 3996) to allow a higher level transport to skip intermediate Transports in certain circumstances.

Parameters

typeId	- The type_info of the Object we are searching for.

Returns

the requested Object. or NULL if its not in this chain.

Implements **activemq::transport::Transport** (p. 3999).

6.424.3.8 virtual void activemq::transport::IOTransport::oneway (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends a one-way command.

Does not wait for any response from the broker.

Parameters

command	the command to be sent.

Exceptions

IOException	if an exception occurs during writing of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Implements **activemq::transport::Transport** (p. 3999).

6.424.3.9 virtual void activemq::transport::IOTransport::reconnect (const decaf::net::URI &uri *AMQCPP_UNUSED*) throw (decaf::io::IOException) [inline, virtual]

reconnect to another location

Parameters

uri	

Exceptions

IOException	on failure of if not supported

6.424.3.10 virtual Pointer<Response> activemq::transport::IOTransport::request (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Not supported by this class - throws an exception.

Parameters

command	the command to be sent.

Returns

the response to the command sent.

Exceptions

UnsupportedOperationException.	

Implements **activemq::transport::Transport** (p. 4000).

6.424.3.11 virtual Pointer<Response> activemq::transport::IOTransport::request (const Pointer< Command > & *command,* unsigned int *timeout*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Not supported by this class - throws an exception.

Parameters

command	the command to be sent.
timeout	the time to wait for a response.

Returns

the response to the command sent.

Exceptions

UnsupportedOperationException.	

Implements **activemq::transport::Transport** (p. 4001).

6.424.3.12 virtual void activemq::transport::IOTransport::run ( ) [virtual]

Runs the polling thread.

Implements **decaf::lang::Runnable** (p. 3419).

6.424.3.13 virtual void activemq::transport::IOTransport::setInputStream (decaf::io::DataInputStream * *is*) [inline, virtual]

Sets the input stream for in-coming commands.

Parameters

is	The input stream.

6.424.3.14 virtual void activemq::transport::IOTransport::setOutputStream (decaf::io::DataOutputStream * *os*) [inline, virtual]

Sets the output stream for out-going commands.

Parameters

os	The output stream.

6.424.3.15 virtual void activemq::transport::IOTransport::setTransportListener (TransportListener * *listener*) [inline, virtual]

Sets the observer of asynchronous exceptions from this transport.

Parameters

listener	the listener of transport events.

Implements **activemq::transport::Transport** (p. 4001).

6.424.3.16 virtual void activemq::transport::IOTransport::setWireFormat (const Pointer< wireformat::WireFormat > & *wireFormat*) [inline, virtual]

Sets the WireFormat instance to use.

Parameters

wireFormat	The WireFormat the object used to encode / decode commands.

Implements **activemq::transport::Transport** (p. 4002).

6.424.3.17 virtual void activemq::transport::IOTransport::start ( ) throw (decaf::io::IOException) [virtual]

Starts this transport object and creates the thread for polling on the input stream for commands.

If this object has been closed, throws an exception. Before calling start, the caller must set the IO streams and the reader and writer objects.

Exceptions

CMSException	if an error occurs or if this transport has already been closed.

Implements **activemq::transport::Transport** (p. 4002).

6.424.3.18 virtual void activemq::transport::IOTransport::stop ( ) throw (decaf::io::IOException) [virtual]

Stops the **Transport** (p. 3996), terminating any threads and stopping all read and write operations.

Exceptions

IOException	if an error occurs while stopping the **Transport** (p. 3996).

Implements **activemq::transport::Transport** (p. 4002).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/**IOTransport.h**

6.425 decaf::lang::Iterable< E > Class Template Reference

Implementing this interface allows an object to be cast to an **Iterable** (p. 2220) type for generic collections API calls.

```
#include <src/main/decaf/lang/Iterable.h>
```

Inheritance diagram for decaf::lang::Iterable< E >:

Public Member Functions

- virtual ~**Iterable** ()
- virtual **decaf::util::Iterator**< E > ∗ **iterator** ()=0
- virtual **decaf::util::Iterator**< E > ∗ **iterator** () const =0

6.425.1 Detailed Description

template<typename E> class decaf::lang::Iterable< E >

Implementing this interface allows an object to be cast to an **Iterable** (p. 2220) type for generic collections API calls.

6.425.2 Constructor & Destructor Documentation

6.425.2.1 template<typename E> virtual decaf::lang::Iterable< E >::~Iterable ( ) [inline, virtual]

6.425.3 Member Function Documentation

6.425.3.1 template<typename E> virtual decaf::util::Iterator<E>∗ decaf::lang::Iterable< E >::iterator ( ) [pure virtual]

Returns

an iterator over a set of elements of type T.

Implemented in **decaf::util::concurrent::SynchronousQueue**< **E** > (p. 3833), **decaf::util::PriorityQueue**< **E** > (p. 3121), **decaf::util::StlList**< **E** > (p. 3704), **decaf::util::StlSet**< **E** > (p. 3736), **decaf::util::StlList**< **cms::MessageConsumer** ∗ > (p. 3704), **decaf::util::StlList**< **CompositeTask** ∗ > (p. 3704), **decaf::util::StlList**< **URI** > (p. 3704), **decaf::util::StlList**< **Pointer**< **DestinationInfo** > > (p. 3704), **decaf::util::StlList**< **PrimitiveValueNode** > (p. 3704), **decaf::util::StlList**< **Pointer**< **Command** > > (p. 3704), **decaf::util::StlList**< **Pointer**< **BackupTransport** > > (p. 3704), **decaf::util::StlList**< **cms::MessageProducer** ∗ > (p. 3704), **decaf::util::StlList**< **cms::Destination** ∗ > (p. 3704), **decaf::util::StlList**< **cms::Session** ∗ > (p. 3704), **decaf::util::StlList**< **cms::Connection** ∗ > (p. 3704), **decaf::util::StlSet**< **transport::TransportListener** ∗ > (p. 3736), **decaf::util::StlSet**< **Pointer**< **Synchronization** > > (p. 3736), **decaf::util::StlSet**< **Resource** ∗ > (p. 3736), and **decaf::util::StlSet**< **ActiveMQSession** ∗ > (p. 3736).

Referenced by decaf::util::AbstractCollection< cms::Connection ∗ >::clear(), decaf::util::AbstractCollection< cms::Connection ∗ >::contains(), decaf::util::AbstractCollection< cms::Connection ∗ >::copy(), decaf::util::AbstractCollection< cms::Connection ∗ >::operator=(), decaf::util::AbstractCollection< cms::Connection ∗ >::remove(), decaf::util::AbstractSet< ActiveMQSession ∗ >::removeAll(),

decaf::util::AbstractCollection< cms::Connection * >::removeAll(), decaf::util::AbstractCollection< cms::Connection * >::retainAll(), and decaf::util::AbstractCollection< cms::Connection * >::toArray().

6.425.3.2 template<typename E> virtual decaf::util::Iterator<E>* decaf::lang::Iterable< E >::iterator ( ) const [pure virtual]

Implemented in **decaf::util::concurrent::SynchronousQueue< E >** (p. 3833), **decaf::util::PriorityQueue< E >** (p. 3121), **decaf::util::StlList< E >** (p. 3704), **decaf::util::StlSet< E >** (p. 3736), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3704), **decaf::util::StlList< CompositeTask * >** (p. 3704), **decaf::util::StlList< URI >** (p. 3704), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3704), **decaf::util::StlList< PrimitiveValueNode >** (p. 3704), **decaf::util::StlList< Pointer< Command > >** (p. 3704), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3704), **decaf::util::StlList< cms::MessageProducer * >** (p. 3704), **decaf::util::StlList< cms::Destination * >** (p. 3704), **decaf::util::StlList< cms::Session * >** (p. 3704), **decaf::util::StlList< cms::Connection * >** (p. 3704), **decaf::util::StlSet< transport::TransportListener * >** (p. 3736), **decaf::util::StlSet< Pointer< Synchronization > >** (p. 3736), **decaf::util::StlSet< Resource * >** (p. 3736), and **decaf::util::StlSet< ActiveMQSession * >** (p. 3736).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Iterable.h**

6.426 decaf::util::Iterator< T > Class Template Reference

Defines an object that can be used to iterate over the elements of a collection.

`#include <src/main/decaf/util/Iterator.h>`

Inheritance diagram for decaf::util::Iterator< T >:

Public Member Functions

- virtual ~**Iterator** ()
- virtual T **next** ()=0 throw (lang::exceptions::NoSuchElementException)

  Returns the next element in the iteration.

- virtual bool **hasNext** () const =0

  Returns true if the iteration has more elements.

- virtual void **remove** ()=0 throw (lang::exceptions::IllegalStateException, lang::exceptions::UnsupportedO)

  Removes from the underlying collection the last element returned by the iterator (optional operation).

6.426.1 Detailed Description

template<typename T> class decaf::util::Iterator< T >

Defines an object that can be used to iterate over the elements of a collection. The iterator provides a way to access and remove elements with well defined semantics.

6.426.2 Constructor & Destructor Documentation

6.426.2.1 template<typename T> virtual decaf::util::Iterator< T >::~Iterator ( ) [inline, virtual]

6.426.3 Member Function Documentation

6.426.3.1 template<typename T> virtual bool decaf::util::Iterator< T >::hasNext ( ) const [pure virtual]

Returns true if the iteration has more elements.

Returns false if the next call to next would result in an NoSuchElementException to be thrown.

6.426.3.2 template<typename T> virtual T decaf::util::Iterator< T >::next ( ) throw (lang::exceptions::NoSuchElementException) [pure virtual]

Returns the next element in the iteration.

Calling this method repeatedly until the **hasNext()** (p. 2223) method returns false will return each element in the underlying collection exactly once.

Returns

next element in the iteration of elements

Exceptions

NoSuchElementException	- iteration has no more elements.

6.426.3.3 template<typename T> virtual void decaf::util::Iterator< T >::remove ( ) throw (lang::exceptions::IllegalStateException, lang::exceptions::UnsupportedOperationException) [pure virtual]

Removes from the underlying collection the last element returned by the iterator (optional operation).

This method can be called only once per call to next. The behavior of an iterator is unspecified if the underlying collection is modified while the iteration is in progress in

any way other than by calling this method.

Exceptions

UnsupportedOperationException	- if the remove operation is not supported by this **Iterator** (p. 2222).
IllegalStateException	- if the next method has not yet been called, or the remove method has already been called after the last call to the next method.

The documentation for this class was generated from the following file:

- src/main/decaf/util/**Iterator.h**

6.427 activemq::commands::JournalQueueAck Class Reference

`#include <src/main/activemq/commands/JournalQueueAck.h>`

Inheritance diagram for activemq::commands::JournalQueueAck:

Public Member Functions

- **JournalQueueAck** ()
- virtual ~**JournalQueueAck** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **JournalQueueAck** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **ActiveMQDestination** > & **getDestination** () const
- virtual **Pointer**< **ActiveMQDestination** > & **getDestination** ()

- virtual void **setDestination** (const **Pointer**< **ActiveMQDestination** > &**destination**)
- virtual const **Pointer**< **MessageAck** > & **getMessageAck** () const
- virtual **Pointer**< **MessageAck** > & **getMessageAck** ()
- virtual void **setMessageAck** (const **Pointer**< **MessageAck** > &**messageAck**)

Static Public Attributes

- static const unsigned char **ID_JOURNALQUEUEACK** = 52

Protected Attributes

- **Pointer**< **ActiveMQDestination** > **destination**
- **Pointer**< **MessageAck** > **messageAck**

6.427.1 Constructor & Destructor Documentation

6.427.1.1 activemq::commands::JournalQueueAck::JournalQueueAck ( )

6.427.1.2 virtual activemq::commands::JournalQueueAck::~JournalQueueAck ( ) [virtual]

6.427.2 Member Function Documentation

6.427.2.1 virtual JournalQueueAck* activemq::commands::JournalQueueAck::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.427.2.2 virtual void activemq::commands::JournalQueueAck::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

6.427.2.3 virtual bool activemq::commands::JournalQueueAck::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

6.427.2.4 virtual unsigned char activemq::commands::JournalQueueAck::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.427.2.5 virtual const Pointer<ActiveMQDestination>& activemq::commands::JournalQueueAck::getDestination ( ) const [virtual]

6.427.2.6 virtual Pointer<ActiveMQDestination>& activemq::commands::JournalQueueAck::getDestination ( ) [virtual]

6.427.2.7 virtual const Pointer<MessageAck>& activemq::commands::JournalQueueAck::getMessageAck ( ) const [virtual]

6.427.2.8 virtual Pointer<MessageAck>& activemq::commands::JournalQueueAck::getMessageAck ( ) [virtual]

6.427.2.9 virtual void activemq::commands::JournalQueueAck::setDestination (const Pointer< ActiveMQDestination > & *destination*) [virtual]

6.427.2.10 virtual void activemq::commands::JournalQueueAck::setMessageAck (const Pointer< MessageAck > & *messageAck*) [virtual]

6.427.2.11 virtual std::string activemq::commands::JournalQueueAck::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

6.427.3 Field Documentation

6.427.3.1 Pointer<ActiveMQDestination> activemq::commands::JournalQueueAck::destination [protected]

6.427.3.2 const unsigned char activemq::commands::JournalQueueAck::ID_JOURNALQUEUEACK = 52 [static]

6.427.3.3 Pointer<MessageAck> activemq::commands::JournalQueueAck::messageAck [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**JournalQueueAck.h**

6.428 activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2228).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/JournalQueueAck`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller:

Public Member Functions

- **JournalQueueAckMarshaller** ()
- virtual ∼**JournalQueueAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.428.1 Detailed Description

Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2228).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.428.2 Constructor & Destructor Documentation

6.428.2.1 activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller::JournalQueueAckMarshaller ( ) [inline]

6.428.2.2 virtual activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller::~JournalQueueAckMarshaller ( ) [inline, virtual]

6.428.3 Member Function Documentation

6.428.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.428.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.428.3.3 virtual void activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.428.3.4 virtual void activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.428.3.5 virtual int activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.428.3.6 virtual void activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.428.3.7 virtual void activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**JournalQueueAckMarshaller.h**

6.429 activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2232).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/JournalQueueAck
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller:

Public Member Functions

- **JournalQueueAckMarshaller** ()
- virtual ∼**JournalQueueAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.429.1 Detailed Description

Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2232).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.429.2 Constructor & Destructor Documentation

6.429.2.1 activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller::JournalQueueAckMarshaller ( ) [inline]

6.429.2.2 virtual activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller::~JournalQueueAckMarshaller ( ) [inline, virtual]

6.429.3 Member Function Documentation

6.429.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.429.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.429.3.3 virtual void activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.429.3.4 virtual void activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.429.3.5 virtual int activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.429.3.6 virtual void activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.429.3.7 virtual void activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**JournalQueueAckMarshaller.h**

6.430 activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2236).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/JournalQueueAck
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller:

Public Member Functions

- **JournalQueueAckMarshaller** ()
- virtual ∼**JournalQueueAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.430.1 Detailed Description

Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2236).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.430.2 Constructor & Destructor Documentation

6.430.2.1 activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller::JournalQueueAckMarshaller ( ) [inline]

6.430.2.2 virtual activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller::~JournalQueueAckMarshaller ( ) [inline, virtual]

6.430.3 Member Function Documentation

6.430.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.430.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.430.3.3 virtual void activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.430.3.4 virtual void activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.430.3.5 virtual int activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.430.3.6 virtual void activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.430.3.7 virtual void activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**JournalQueueAckMarshaller.h**

6.431 activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2240).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/JournalQueueAck`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller:

Public Member Functions

- **JournalQueueAckMarshaller** ()
- virtual ∼**JournalQueueAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.431.1 Detailed Description

Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2240).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.431.2 Constructor & Destructor Documentation

6.431.2.1 activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller::JournalQueueAckMarshaller ( ) [inline]

6.431.2.2 virtual activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller::~JournalQueueAckMarshaller ( ) [inline, virtual]

6.431.3 Member Function Documentation

6.431.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.431.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.431.3.3 virtual void activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.431.3.4 virtual void activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.431.3.5 virtual int activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.431.3.6 virtual void activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.431.3.7 virtual void activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**JournalQueueAckMarshaller.h**

6.432 activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2244).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/JournalQueueAck`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller:

Public Member Functions

- **JournalQueueAckMarshaller** ()
- virtual ∼**JournalQueueAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.432.1 Detailed Description

Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2244).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.432.2 Constructor & Destructor Documentation

6.432.2.1 activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller::JournalQueueAckMarshaller ( ) [inline]

6.432.2.2 virtual activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller::~JournalQueueAckMarshaller ( ) [inline, virtual]

6.432.3 Member Function Documentation

6.432.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.432.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.432.3.3 virtual void activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.432.3.4 virtual void activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.432.3.5 virtual int activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.432.3.6 virtual void activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.432.3.7 virtual void activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**JournalQueueAckMarshaller.h**

6.433 activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2248).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/JournalQueueAck`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller:

Public Member Functions

- **JournalQueueAckMarshaller** ()
- virtual ∼**JournalQueueAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.433.1 Detailed Description

Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2248).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.433.2 Constructor & Destructor Documentation

6.433.2.1 activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller::JournalQueueAckMarshaller ( ) [inline]

6.433.2.2 virtual activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller::~JournalQueueAckMarshaller ( ) [inline, virtual]

6.433.3 Member Function Documentation

6.433.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.433.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.433.3.3 virtual void activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.433.3.4 virtual void activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.433.3.5 virtual int activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.433.3.6 virtual void activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.433.3.7 virtual void activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**JournalQueueAckMarshaller.h**

6.434 activemq::commands::JournalTopicAck Class Reference

`#include <src/main/activemq/commands/JournalTopicAck.h>`

Inheritance diagram for activemq::commands::JournalTopicAck:

Public Member Functions

- **JournalTopicAck** ()
- virtual ∼**JournalTopicAck** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **JournalTopicAck** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **ActiveMQDestination** > & **getDestination** () const
- virtual **Pointer**< **ActiveMQDestination** > & **getDestination** ()
- virtual void **setDestination** (const **Pointer**< **ActiveMQDestination** > &**destination**)
- virtual const **Pointer**< **MessageId** > & **getMessageId** () const
- virtual **Pointer**< **MessageId** > & **getMessageId** ()
- virtual void **setMessageId** (const **Pointer**< **MessageId** > &**messageId**)
- virtual long long **getMessageSequenceId** () const
- virtual void **setMessageSequenceId** (long long **messageSequenceId**)
- virtual const std::string & **getSubscritionName** () const
- virtual std::string & **getSubscritionName** ()
- virtual void **setSubscritionName** (const std::string &**subscritionName**)
- virtual const std::string & **getClientId** () const

- virtual std::string & **getClientId** ()
- virtual void **setClientId** (const std::string &**clientId**)
- virtual const **Pointer**< **TransactionId** > & **getTransactionId** () const
- virtual **Pointer**< **TransactionId** > & **getTransactionId** ()
- virtual void **setTransactionId** (const **Pointer**< **TransactionId** > &**transactionId**)

Static Public Attributes

- static const unsigned char **ID_JOURNALTOPICACK** = 50

Protected Attributes

- **Pointer**< **ActiveMQDestination** > **destination**
- **Pointer**< **MessageId** > **messageId**
- long long **messageSequenceId**
- std::string **subscritionName**
- std::string **clientId**
- **Pointer**< **TransactionId** > **transactionId**

6.434.1 Constructor & Destructor Documentation

6.434.1.1 activemq::commands::JournalTopicAck::JournalTopicAck ( )

6.434.1.2 virtual activemq::commands::JournalTopicAck::~JournalTopicAck ( ) [virtual]

6.434.2 Member Function Documentation

6.434.2.1 virtual JournalTopicAck* activemq::commands::JournalTopicAck::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.434.2.2 virtual void activemq::commands::JournalTopicAck::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

6.434.2.3 virtual bool activemq::commands::JournalTopicAck::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

6.434.2.4 virtual const std::string& activemq::commands::JournalTopicAck::getClientId ( ) const [virtual]

6.434.2.5 virtual std::string& activemq::commands::JournalTopicAck::getClientId ( ) [virtual]

6.434.2.6 virtual unsigned char activemq::commands::JournalTopicAck::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.434.2.7 virtual const Pointer<ActiveMQDestination>& activemq::commands::JournalTopicAck::getDestination ( ) const [virtual]

6.434.2.8 virtual Pointer<ActiveMQDestination>& activemq::commands::JournalTopicAck::getDestination ( ) [virtual]

6.434.2.9 virtual const Pointer<MessageId>& activemq::commands::JournalTopicAck::getMessageId ( ) const [virtual]

6.434.2.10 virtual Pointer<MessageId>& activemq::commands::JournalTopicAck::getMessageId ( ) [virtual]

6.434.2.11 virtual long long activemq::commands::JournalTopicAck::getMessageSequenceId ( ) const [virtual]

6.434.2.12 virtual std::string& activemq::commands::JournalTopicAck::getSubscritionName ( ) [virtual]

6.434.2.13 virtual const std::string& activemq::commands::JournalTopicAck::getSubscritionName ( ) const [virtual]

6.434.2.14 virtual const Pointer<TransactionId>& activemq::commands::JournalTopicAck::getTransactionId ( ) const [virtual]

6.434.2.15 virtual Pointer<TransactionId>& activemq::commands::JournalTopicAck::getTransactionId ( ) [virtual]

6.434.2.16 virtual void activemq::commands::JournalTopicAck::setClientId (const std::string & *clientId*) [virtual]

6.434.2.17 virtual void activemq::commands::JournalTopicAck::setDestination (const Pointer< ActiveMQDestination > & *destination*) [virtual]

6.434.2.18 virtual void activemq::commands::JournalTopicAck::setMessageId (const Pointer< MessageId > & *messageId*) [virtual]

6.434.2.19 virtual void activemq::commands::JournalTopicAck::setMessageSequenceId (long long *messageSequenceId*) [virtual]

6.434.2.20 virtual void activemq::commands::JournalTopicAck::setSubscritionName (const std::string & *subscritionName*) [virtual]

6.434.2.21 virtual void activemq::commands::JournalTopicAck::setTransactionId (const Pointer< TransactionId > & *transactionId*) [virtual]

6.434.2.22 virtual std::string activemq::commands::JournalTopicAck::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

6.434.3 Field Documentation

6.434.3.1 std::string activemq::commands::JournalTopicAck::clientId

[protected]

6.434.3.2 Pointer<ActiveMQDestination> activemq::commands::JournalTopicAck::destination

[protected]

6.434.3.3 const unsigned char activemq::commands::JournalTopicAck::ID_JOURNALTOPICACK = 50

[static]

6.434.3.4 Pointer<MessageId> activemq::commands::JournalTopicAck::messageId

[protected]

6.434.3.5 long long activemq::commands::JournalTopicAck::messageSequenceId

[protected]

6.434.3.6 std::string activemq::commands::JournalTopicAck::subscritionName

[protected]

6.434.3.7 Pointer<TransactionId> activemq::commands::JournalTopicAck::transactionId

[protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**JournalTopicAck.h**

6.435 activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2256).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/JournalTopicAck
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller:

Public Member Functions

- **JournalTopicAckMarshaller** ()
- virtual ∼**JournalTopicAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.435.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2256). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.435.2 Constructor & Destructor Documentation

6.435.2.1 activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller::JournalTopicAckMarshaller ( ) [inline]

6.435.2.2 virtual activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller::~JournalTopicAckMarshaller ( ) [inline, virtual]

6.435.3 Member Function Documentation

6.435.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.435.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.435.3.3 virtual void activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.435.3.4 virtual void activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.435.3.5 virtual int activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.435.3.6 virtual void activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.435.3.7 virtual void activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**JournalTopicAckMarshaller.h**

6.436 activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2261).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/JournalTopicAckMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller:

Public Member Functions

- **JournalTopicAckMarshaller** ()
- virtual ∼**JournalTopicAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.436.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2261). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.436.2 Constructor & Destructor Documentation

6.436.2.1 activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller::JournalTopicAckMarshaller ( ) [inline]

6.436.2.2 virtual activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller::~JournalTopicAckMarshaller ( ) [inline, virtual]

6.436.3 Member Function Documentation

6.436.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.436.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.436.3.3 virtual void activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.436.3.4 virtual void activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.436.3.5 virtual int activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.436.3.6 virtual void activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.436.3.7 virtual void activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**JournalTopicAckMarshaller.h**

6.437 activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2265).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/JournalTopicAckMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller:

Public Member Functions

- **JournalTopicAckMarshaller** ()
- virtual ∼**JournalTopicAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.437.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2265). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.437.2 Constructor & Destructor Documentation

6.437.2.1 activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller::JournalTopicAckMarshaller ( ) [inline]

6.437.2.2 virtual activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller::~JournalTopicAckMarshaller ( ) [inline, virtual]

6.437.3 Member Function Documentation

6.437.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.437.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.437.3.3 virtual void activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.437.3.4 virtual void activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.437.3.5 virtual int activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.437.3.6 virtual void activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.437.3.7 virtual void activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**JournalTopicAckMarshaller.h**

6.438 activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2269).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/JournalTopicAckMarshalle`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller:

Public Member Functions

- **JournalTopicAckMarshaller** ()
- virtual ∼**JournalTopicAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.438.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2269). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.438.2 Constructor & Destructor Documentation

6.438.2.1 activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller::JournalTopicAckMarshaller ( ) [inline]

6.438.2.2 virtual activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller::~JournalTopicAckMarshaller ( ) [inline, virtual]

6.438.3 Member Function Documentation

6.438.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.438.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.438.3.3 virtual void activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.438.3.4 virtual void activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.438.3.5 virtual int activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.438.3.6 virtual void activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.438.3.7 virtual void activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**JournalTopicAckMarshaller.h**

6.439 activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2273).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/JournalTopicAckMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller:

Public Member Functions

- **JournalTopicAckMarshaller** ()
- virtual ∼**JournalTopicAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.439.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2273). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.439.2 Constructor & Destructor Documentation

6.439.2.1 activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller::JournalTopicAckMarshaller ( ) [inline]

6.439.2.2 virtual activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller::~JournalTopicAckMarshaller ( ) [inline, virtual]

6.439.3 Member Function Documentation

6.439.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.439.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.439.3.3 virtual void activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.439.3.4 virtual void activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.439.3.5 virtual int activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.439.3.6 virtual void activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.439.3.7 virtual void activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**JournalTopicAckMarshaller.h**

6.440 activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2277).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/JournalTopicAckMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller:

Public Member Functions

- **JournalTopicAckMarshaller** ()
- virtual ∼**JournalTopicAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.440.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2277). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.440.2 Constructor & Destructor Documentation

6.440.2.1 activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller::JournalTopicAckMarshaller ( ) [inline]

6.440.2.2 virtual activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller::~JournalTopicAckMarshaller ( ) [inline, virtual]

6.440.3 Member Function Documentation

6.440.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.440.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.440.3.3 virtual void activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.440.3.4 virtual void activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.440.3.5 virtual int activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.440.3.6 virtual void activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.440.3.7 virtual void activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**JournalTopicAckMarshaller.h**

6.441 activemq::commands::JournalTrace Class Reference

`#include <src/main/activemq/commands/JournalTrace.h>`

Inheritance diagram for activemq::commands::JournalTrace:

Public Member Functions

- **JournalTrace** ()
- virtual ∼**JournalTrace** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **JournalTrace** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual const std::string & **getMessage** () const
- virtual std::string & **getMessage** ()
- virtual void **setMessage** (const std::string &**message**)

Static Public Attributes

- static const unsigned char **ID_JOURNALTRACE** = 53

Protected Attributes

- std::string **message**

6.441.1 Constructor & Destructor Documentation

6.441.1.1 activemq::commands::JournalTrace::JournalTrace ( )

6.441.1.2 virtual activemq::commands::JournalTrace::~JournalTrace ( ) [virtual]

6.441.2 Member Function Documentation

6.441.2.1 virtual JournalTrace* activemq::commands::JournalTrace::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.441.2.2 virtual void activemq::commands::JournalTrace::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

6.441.2.3 virtual bool activemq::commands::JournalTrace::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

6.441.2.4 virtual unsigned char activemq::commands::JournalTrace::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.441.2.5 virtual std::string& activemq::commands::JournalTrace::getMessage ( ) [virtual]

6.441.2.6 virtual const std::string& activemq::commands::JournalTrace::getMessage ( ) const [virtual]

6.441.2.7 virtual void activemq::commands::JournalTrace::setMessage (const std::string & *message*) [virtual]

6.441.2.8 virtual std::string activemq::commands::JournalTrace::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

6.441.3 Field Documentation

6.441.3.1 const unsigned char activemq::commands::JournalTrace::ID_JOURNALTRACE = 53 [static]

6.441.3.2 std::string activemq::commands::JournalTrace::message [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**JournalTrace.h**

6.442 activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2283).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/JournalTraceMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller:

Public Member Functions

- **JournalTraceMarshaller** ()
- virtual ~**JournalTraceMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.442.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2283). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.442.2 Constructor & Destructor Documentation

6.442.2.1 activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller::JournalTraceMarshaller ( ) [inline]

6.442.2.2 virtual activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller::~JournalTraceMarshaller ( ) [inline, virtual]

6.442.3 Member Function Documentation

6.442.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.442.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.442.3.3 virtual void activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.442.3.4 virtual void activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.442.3.5 virtual int activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.442.3.6 virtual void activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.442.3.7 virtual void activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**JournalTraceMarshaller.h**

6.443 activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2288).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/JournalTraceMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller:

Public Member Functions

- **JournalTraceMarshaller** ()
- virtual ∼**JournalTraceMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.443.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2288). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.443.2 Constructor & Destructor Documentation

6.443.2.1 activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller::JournalTraceMarshaller ( ) [inline]

6.443.2.2 virtual activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller::~JournalTraceMarshaller ( ) [inline, virtual]

6.443.3 Member Function Documentation

6.443.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.443.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.443.3.3 virtual void activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.443.3.4 virtual void activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.443.3.5 virtual int activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.443.3.6 virtual void activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.443.3.7 virtual void activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**JournalTraceMarshaller.h**

6.444 activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2292).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/JournalTraceMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller:

Public Member Functions

- **JournalTraceMarshaller** ()
- virtual ∼**JournalTraceMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.444.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2292). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.444.2 Constructor & Destructor Documentation

6.444.2.1 activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller::JournalTraceMarshaller ( ) [inline]

6.444.2.2 virtual activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller::~JournalTraceMarshaller ( ) [inline, virtual]

6.444.3 Member Function Documentation

6.444.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.444.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.444.3.3 virtual void activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.444.3.4 virtual void activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.444.3.5 virtual int activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.444.3.6 virtual void activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.444.3.7 virtual void activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**JournalTraceMarshaller.h**

6.445 activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2296).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/JournalTraceMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller:

Public Member Functions

- **JournalTraceMarshaller** ()
- virtual ∼**JournalTraceMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.445.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2296). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.445.2 Constructor & Destructor Documentation

6.445.2.1 activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller::JournalTraceMarshaller ( ) [inline]

6.445.2.2 virtual activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller::~JournalTraceMarshaller ( ) [inline, virtual]

6.445.3 Member Function Documentation

6.445.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.445.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.445.3.3 virtual void activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.445.3.4 virtual void activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.445.3.5 virtual int activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.445.3.6 virtual void activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.445.3.7 virtual void activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**JournalTraceMarshaller.h**

6.446 activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2300).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/JournalTraceMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller:

Public Member Functions

- **JournalTraceMarshaller** ()
- virtual ∼**JournalTraceMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.446.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2300). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.446.2 Constructor & Destructor Documentation

6.446.2.1 activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller::JournalTraceMarshaller ( ) [inline]

6.446.2.2 virtual activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller::~JournalTraceMarshaller ( ) [inline, virtual]

6.446.3 Member Function Documentation

6.446.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.446.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.446.3.3 virtual void activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.446.3.4 virtual void activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.446.3.5 virtual int activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.446.3.6 virtual void activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.446.3.7 virtual void activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**JournalTraceMarshaller.h**

6.447 activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2304).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/JournalTraceMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller:

Public Member Functions

- **JournalTraceMarshaller** ()
- virtual ∼**JournalTraceMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.447.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2304). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.447.2 Constructor & Destructor Documentation

6.447.2.1 activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller::JournalTraceMarshaller ( ) [inline]

6.447.2.2 virtual activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller::~JournalTraceMarshaller ( ) [inline, virtual]

6.447.3 Member Function Documentation

6.447.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.447.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.447.3.3 virtual void activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.447.3.4 virtual void activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.447.3.5 virtual int activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.447.3.6 virtual void activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.447.3.7 virtual void activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**JournalTraceMarshaller.h**

6.448 activemq::commands::JournalTransaction Class Reference

`#include <src/main/activemq/commands/JournalTransaction.h>`

Inheritance diagram for activemq::commands::JournalTransaction:

Public Member Functions

- **JournalTransaction** ()
- virtual ∼**JournalTransaction** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **JournalTransaction** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **TransactionId** > & **getTransactionId** () const
- virtual **Pointer**< **TransactionId** > & **getTransactionId** ()
- virtual void **setTransactionId** (const **Pointer**< **TransactionId** > &**transactionId**)
- virtual unsigned char **getType** () const
- virtual void **setType** (unsigned char **type**)
- virtual bool **getWasPrepared** () const
- virtual void **setWasPrepared** (bool **wasPrepared**)

Static Public Attributes

- static const unsigned char **ID_JOURNALTRANSACTION** = 54

Protected Attributes

- **Pointer< TransactionId > transactionId**
- unsigned char **type**
- bool **wasPrepared**

6.448.1 Constructor & Destructor Documentation

6.448.1.1 activemq::commands::JournalTransaction::JournalTransaction ( )

6.448.1.2 virtual activemq::commands::JournalTransaction::~JournalTransaction ( ) [virtual]

6.448.2 Member Function Documentation

6.448.2.1 virtual JournalTransaction* activemq::commands::JournalTransaction::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.448.2.2 virtual void activemq::commands::JournalTransaction::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

6.448.2.3 virtual bool activemq::commands::JournalTransaction::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

6.448.2.4 virtual unsigned char activemq::commands::JournalTransaction::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.448.2.5 virtual const Pointer<TransactionId>& activemq::commands::JournalTransaction::getTransactionId ( ) const [virtual]

6.448.2.6 virtual Pointer<TransactionId>& activemq::commands::JournalTransaction::getTransactionId ( ) [virtual]

6.448.2.7 virtual unsigned char activemq::commands::JournalTransaction::getType ( ) const [virtual]

6.448.2.8 virtual bool activemq::commands::JournalTransaction::getWasPrepared ( ) const [virtual]

6.448.2.9 virtual void activemq::commands::JournalTransaction::setTransactionId (const Pointer< TransactionId > & *transactionId*) [virtual]

6.448.2.10 virtual void activemq::commands::JournalTransaction::setType (unsigned char *type*) [virtual]

6.448.2.11 virtual void activemq::commands::JournalTransaction::setWasPrepared (bool *wasPrepared*) [virtual]

6.448.2.12 virtual std::string activemq::commands::JournalTransaction::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

6.448.3 Field Documentation

6.448.3.1 const unsigned char activemq::commands::JournalTransaction::ID_-JOURNALTRANSACTION = 54 [static]

6.448.3.2 Pointer<TransactionId> activemq::commands::JournalTransaction::transactionId [protected]

6.448.3.3 unsigned char activemq::commands::JournalTransaction::type [protected]

6.448.3.4 bool activemq::commands::JournalTransaction::wasPrepared [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**JournalTransaction.h**

6.449 activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2311).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/JournalTransactionMarsha
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller:

Public Member Functions

- **JournalTransactionMarshaller** ()
- virtual ~**JournalTransactionMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.449.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2311).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.449.2 Constructor & Destructor Documentation

6.449.2.1 activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller::JournalTransactionMarshaller ( ) [inline]

6.449.2.2 virtual activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller::∼JournalTransactionMarshalle ( ) [inline, virtual]

6.449.3 Member Function Documentation

6.449.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.449.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.449.3.3 virtual void activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.449.3.4 virtual void activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.449.3.5 virtual int activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.449.3.6 virtual void activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.449.3.7 virtual void activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**JournalTransactionMarshaller.h**

6.450 activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2315).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/JournalTransactionMarsha`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller:

Public Member Functions

- **JournalTransactionMarshaller** ()
- virtual ~**JournalTransactionMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.450.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2315).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.450.2 Constructor & Destructor Documentation

6.450.2.1 activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller::JournalTransactionMarshaller ( ) [inline]

6.450.2.2 virtual activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller::∼JournalTransactionMarshalle ( ) [inline, virtual]

6.450.3 Member Function Documentation

6.450.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.450.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.450.3.3 virtual void activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.450.3.4 virtual void activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.450.3.5 virtual int activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.450.3.6 virtual void activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.450.3.7 virtual void activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**JournalTransactionMarshaller.h**

6.451 activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2319).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/JournalTransactionMarsha
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller:

Public Member Functions

- **JournalTransactionMarshaller** ()
- virtual ~**JournalTransactionMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.451.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2319).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.451.2 Constructor & Destructor Documentation

6.451.2.1 activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller::JournalTransactionMarshaller ( ) [inline]

6.451.2.2 virtual activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller::∼JournalTransactionMarshalle ( ) [inline, virtual]

6.451.3 Member Function Documentation

6.451.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.451.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.451.3.3 virtual void activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.451.3.4 virtual void activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.451.3.5 virtual int activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.451.3.6 virtual void activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.451.3.7 virtual void activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**JournalTransactionMarshaller.h**

6.452 activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2323).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/JournalTransactionMarsha
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller:

Public Member Functions

- **JournalTransactionMarshaller** ()
- virtual ~**JournalTransactionMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.452.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2323).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.452.2 Constructor & Destructor Documentation

6.452.2.1 activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller::JournalTransactionMarshaller ( ) [inline]

6.452.2.2 virtual activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller::∼JournalTransactionMarshalle ( ) [inline, virtual]

6.452.3 Member Function Documentation

6.452.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.452.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.452.3.3 virtual void activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.452.3.4 virtual void activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.452.3.5 virtual int activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.452.3.6 virtual void activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.452.3.7 virtual void activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**JournalTransactionMarshaller.h**

6.453 activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2327).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/JournalTransactionMarsha
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller:

Public Member Functions

- **JournalTransactionMarshaller** ()
- virtual ~**JournalTransactionMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.453.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2327).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.453.2 Constructor & Destructor Documentation

6.453.2.1 activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller::JournalTransactionMarshaller ( ) [inline]

6.453.2.2 virtual activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller::∼JournalTransactionMarshalle ( ) [inline, virtual]

6.453.3 Member Function Documentation

6.453.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.453.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.453.3.3 virtual void activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.453.3.4 virtual void activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.453.3.5 virtual int activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.453.3.6 virtual void activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.453.3.7 virtual void activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**JournalTransactionMarshaller.h**

6.454 activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller Class Reference

Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2331).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/JournalTransactionMarsha
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller:

Public Member Functions

- **JournalTransactionMarshaller** ()
- virtual ~**JournalTransactionMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.454.1 Detailed Description

Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2331).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.454.2 Constructor & Destructor Documentation

6.454.2.1 activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller::JournalTransactionMarshaller ( ) [inline]

6.454.2.2 virtual activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller::∼JournalTransactionMarshalle ( ) [inline, virtual]

6.454.3 Member Function Documentation

6.454.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.454.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.454.3.3 virtual void activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.454.3.4 virtual void activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.454.3.5 virtual int activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.454.3.6 virtual void activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.454.3.7 virtual void activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**JournalTransactionMarshaller.h**

6.455 activemq::commands::KeepAliveInfo Class Reference

`#include <src/main/activemq/commands/KeepAliveInfo.h>`

Inheritance diagram for activemq::commands::KeepAliveInfo:

Public Member Functions

- **KeepAliveInfo** ()
- virtual ~**KeepAliveInfo** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **KeepAliveInfo** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual bool **isKeepAliveInfo** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** ∗visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_KEEPALIVEINFO** = 10

6.455.1 Constructor & Destructor Documentation

6.455.1.1 activemq::commands::KeepAliveInfo::KeepAliveInfo ( )

6.455.1.2 virtual activemq::commands::KeepAliveInfo::∼KeepAliveInfo ( ) [virtual]

6.455.2 Member Function Documentation

6.455.2.1 virtual KeepAliveInfo∗ activemq::commands::KeepAliveInfo::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.455.2.2 virtual void activemq::commands::KeepAliveInfo::copyDataStructure (const DataStructure ∗ *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.455.2.3 virtual bool activemq::commands::KeepAliveInfo::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.455.2.4 virtual unsigned char activemq::commands::KeepAliveInfo::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.455.2.5 virtual bool activemq::commands::KeepAliveInfo::isKeepAliveInfo ( ) const [inline, virtual]

Returns

an answer of true to the **isKeepAliveInfo()** (p. 2337) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 768).

6.455.2.6 virtual std::string activemq::commands::KeepAliveInfo::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.455.2.7 virtual Pointer<Command> activemq::commands::KeepAliveInfo::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.455.3 Field Documentation

6.455.3.1 const unsigned char activemq::commands::KeepAliveInfo::ID_KEEPALIVEINFO = 10 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**KeepAliveInfo.h**

6.456 activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2338).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/KeepAliveInfoMa`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller:

Public Member Functions

- **KeepAliveInfoMarshaller** ()
- virtual ~**KeepAliveInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.456.1 Detailed Description

Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2338). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.456.2 Constructor & Destructor Documentation

6.456.2.1 activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller::KeepAliveInfoMarshaller ( ) [inline]

6.456.2.2 virtual activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller::∼KeepAliveInfoMarshaller ( ) [inline, virtual]

6.456.3 Member Function Documentation

6.456.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.456.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.456.3.3 virtual void activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.456.3.4 virtual void activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.456.3.5 virtual int activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.456.3.6 virtual void activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.456.3.7 virtual void activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**KeepAliveInfoMarshaller.h**

6.457 activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2342).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/KeepAliveInfoMa
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller:

Public Member Functions

- **KeepAliveInfoMarshaller** ()
- virtual ~**KeepAliveInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.457.1 Detailed Description

Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2342). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.457.2 Constructor & Destructor Documentation

6.457.2.1 activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller::KeepAliveInfoMarshaller ( ) [inline]

6.457.2.2 virtual activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller::~KeepAliveInfoMarshaller ( ) [inline, virtual]

6.457.3 Member Function Documentation

6.457.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.457.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.457.3.3 virtual void activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.457.3.4 virtual void activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.457.3.5 virtual int activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.457.3.6 virtual void activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.457.3.7 virtual void activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**KeepAliveInfoMarshaller.h**

6.458 activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2347).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/KeepAliveInfoMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller:

Public Member Functions

- **KeepAliveInfoMarshaller** ()
- virtual ~**KeepAliveInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.458.1 Detailed Description

Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2347). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.458.2 Constructor & Destructor Documentation

6.458.2.1 activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller::KeepAliveInfoMarshaller ( ) [inline]

6.458.2.2 virtual activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller::~KeepAliveInfoMarshaller ( ) [inline, virtual]

6.458.3 Member Function Documentation

6.458.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.458.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.458.3.3 virtual void activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.458.3.4 virtual void activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.458.3.5 virtual int activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.458.3.6 virtual void activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.458.3.7 virtual void activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**KeepAliveInfoMarshaller.h**

6.459 activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2351).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/KeepAliveInfoMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller:

Public Member Functions

- **KeepAliveInfoMarshaller** ()
- virtual ∼**KeepAliveInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.459.1 Detailed Description

Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2351). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.459.2 Constructor & Destructor Documentation

6.459.2.1 activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller::KeepAliveInfoMarshaller ( ) [inline]

6.459.2.2 virtual activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller::∼KeepAliveInfoMarshaller ( ) [inline, virtual]

6.459.3 Member Function Documentation

6.459.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.459.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.459.3.3 virtual void activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.459.3.4 virtual void activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.459.3.5 virtual int activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.459.3.6 virtual void activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.459.3.7 virtual void activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**KeepAliveInfoMarshaller.h**

6.460 activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2355).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/KeepAliveInfoMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller:

Public Member Functions

- **KeepAliveInfoMarshaller** ()
- virtual ~**KeepAliveInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.460.1 Detailed Description

Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2355). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.460.2 Constructor & Destructor Documentation

6.460.2.1 activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller::KeepAliveInfoMarshaller ( ) [inline]

6.460.2.2 virtual activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller::∼KeepAliveInfoMarshaller ( ) [inline, virtual]

6.460.3 Member Function Documentation

6.460.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.460.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.460.3.3 virtual void activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.460.3.4 virtual void activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.460.3.5 virtual int activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.460.3.6 virtual void activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.460.3.7 virtual void activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**KeepAliveInfoMarshaller.h**

6.461 activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2359).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/KeepAliveInfoMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller:

Public Member Functions

- **KeepAliveInfoMarshaller** ()
- virtual ~**KeepAliveInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.461.1 Detailed Description

Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2359). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.461.2 Constructor & Destructor Documentation

6.461.2.1 activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller::KeepAliveInfoMarshaller ( ) [inline]

6.461.2.2 virtual activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller::~KeepAliveInfoMarshaller ( ) [inline, virtual]

6.461.3 Member Function Documentation

6.461.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.461.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.461.3.3 virtual void activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.461.3.4 virtual void activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.461.3.5 virtual int activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.461.3.6 virtual void activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.461.3.7 virtual void activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**KeepAliveInfoMarshaller.h**

6.462 decaf::security::Key Class Reference

The **Key** (p. 2364) interface is the top-level interface for all keys.

`#include <src/main/decaf/security/Key.h>`

Inheritance diagram for decaf::security::Key:

Public Member Functions

- virtual ~**Key** ()
- virtual std::string **getAlgorithm** () const =0

  Returns the standard algorithm name for this key.

- virtual void **getEncoded** (std::vector< unsigned char > &output) const =0

  Provides the key in its primary encoding format, or nothing if this key does not support encoding.

- virtual std::string **getFormat** () const =0

  Returns the name of the primary encoding format of this key, or an empty string if this key does not support encoding.

6.462.1 Detailed Description

The **Key** (p. 2364) interface is the top-level interface for all keys. It defines the functionality shared by all key objects. All keys have three characteristics:

An Algorithm

This is the key algorithm for that key. The key algorithm is usually an encryption or asymmetric operation algorithm (such as DSA or RSA), which will work with those algorithms and with related algorithms (such as MD5 with RSA, SHA-1 with RSA, Raw DSA, etc.) The name of the algorithm of a key is obtained using the getAlgorithm method.

An Encoded Form

This is an external encoded form for the key used when a standard representation of the key is needed outside the application, as when transmitting the key to some other party. The key is encoded according to a standard format (such as X.509 SubjectPublicKeyInfo or PKCS#8), and is returned using the getEncoded method. Note: The syntax of the ASN.1 type SubjectPublicKeyInfo is defined as follows:

SubjectPublicKeyInfo ::= SEQUENCE {

algorithm AlgorithmIdentifier,

subjectPublicKey BIT STRING }

AlgorithmIdentifier ::= SEQUENCE {

algorithm OBJECT IDENTIFIER,

parameters ANY DEFINED BY algorithm OPTIONAL }

For more information, see RFC 2459: Internet X.509 Public **Key** (p. 2364) Infrastructure Certificate and CRL Profile.

A Format

This is the name of the format of the encoded key. It is returned by the getFormat method.

6.462.2 Constructor & Destructor Documentation

6.462.2.1 virtual decaf::security::Key::~Key ( ) [inline, virtual]

6.462.3 Member Function Documentation

6.462.3.1 virtual std::string decaf::security::Key::getAlgorithm ( ) const [pure virtual]

Returns the standard algorithm name for this key.

For example, "DSA" would indicate that this key is a DSA key.

Returns

the name of the algorithm associated with this key.

6.462.3.2 virtual void decaf::security::Key::getEncoded (std::vector< unsigned char > & *output*) const [pure virtual]

Provides the key in its primary encoding format, or nothing if this key does not support encoding.

Parameters

output	Receives the encoded key, or nothing if the key does not support encoding.

6.462.3.3 virtual std::string decaf::security::Key::getFormat ( ) const [pure virtual]

Returns the name of the primary encoding format of this key, or an empty string if this key does not support encoding.

The primary encoding format is named in terms of the appropriate ASN.1 data format,

if an ASN.1 specification for this key exists. For example, the name of the ASN.1 data format for public keys is SubjectPublicKeyInfo, as defined by the X.509 standard; in this case, the returned format is "X.509". Similarly, the name of the ASN.1 data format for private keys is PrivateKeyInfo, as defined by the PKCS #8 standard; in this case, the returned format is "PKCS#8".

Returns

the primary encoding format of the key.

The documentation for this class was generated from the following file:

- src/main/decaf/security/**Key.h**

6.463 decaf::security::KeyException Class Reference

`#include <src/main/decaf/security/KeyException.h>`

Inheritance diagram for decaf::security::KeyException:

Public Member Functions

- **KeyException** () throw ()
  Default Constructor.
- **KeyException** (const **decaf::lang::Exception** &ex) throw ()
  Conversion Constructor from some other Exception.
- **KeyException** (const **KeyException** &ex) throw ()
  Copy Constructor.
- **KeyException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()
  Constructor - Initializes the file name and line number where this message occurred.
- **KeyException** (const std::exception ∗**cause**) throw ()
  Constructor.
- **KeyException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()
  Constructor - Initializes the file name and line number where this message occurred.
- virtual **KeyException** ∗ **clone** () const
  Clones this exception.
- virtual ∼**KeyException** () throw ()

6.463.1 Constructor & Destructor Documentation

6.463.1.1 decaf::security::KeyException::KeyException ( ) throw () [inline]

Default Constructor.

6.463.1.2 decaf::security::KeyException::KeyException (const decaf::lang::Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.463.1.3 decaf::security::KeyException::KeyException (const KeyException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.463.1.4 decaf::security::KeyException::KeyException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.463.1.5 decaf::security::KeyException::KeyException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.463.1.6 decaf::security::KeyException::KeyException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	name where exception occurs
lineNumber	line number where the exception occurred.
msg	message to report
...	list of primitives that are formatted into the message

6.463.1.7 virtual decaf::security::KeyException::~KeyException ( ) throw () [inline, virtual]

6.463.2 Member Function Documentation

6.463.2.1 virtual KeyException* decaf::security::KeyException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A deep copy of this exception.

Reimplemented from **decaf::security::GeneralSecurityException** (p. 2037).

Reimplemented in **decaf::security::InvalidKeyException** (p. 2203), and **decaf::security::KeyManagementEx** (p. 2371).

The documentation for this class was generated from the following file:

- src/main/decaf/security/**KeyException.h**

6.464 decaf::security::KeyManagementException Class Reference

```
#include <src/main/decaf/security/KeyManagementException.h>
```

Inheritance diagram for decaf::security::KeyManagementException:

Public Member Functions

- **KeyManagementException** () throw ()

  Default Constructor.

- **KeyManagementException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **KeyManagementException** (const **KeyManagementException** &ex) throw ()

  Copy Constructor.

- **KeyManagementException** (const char *file, const int lineNumber, const std::exception ***cause**, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **KeyManagementException** (const std::exception ***cause**) throw ()

  Constructor.

- **KeyManagementException** (const char *file, const int lineNumber, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **KeyManagementException** * **clone** () const

  Clones this exception.

- virtual ~**KeyManagementException** () throw ()

6.464.1 Constructor & Destructor Documentation

6.464.1.1 decaf::security::KeyManagementException::KeyManagementException ( ) throw () [inline]

Default Constructor.

6.464.1.2 decaf::security::KeyManagementException::KeyManagementException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.464.1.3 decaf::security::KeyManagementException::KeyManagementException (const KeyManagementException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.464.1.4 decaf::security::KeyManagementException::KeyManagementException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.464.1.5 decaf::security::KeyManagementException::KeyManagementException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.464.1.6 decaf::security::KeyManagementException::KeyManagementException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	name where exception occurs
lineNumber	line number where the exception occurred.
msg	message to report
...	list of primitives that are formatted into the message

6.464.1.7 virtual decaf::security::KeyManagementException::~KeyManagementException ( ) throw () [inline, virtual]

6.464.2 Member Function Documentation

6.464.2.1 virtual KeyManagementException* decaf::security::KeyManagementException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A deep copy of this exception.

Reimplemented from **decaf::security::KeyException** (p. 2368).

The documentation for this class was generated from the following file:

- src/main/decaf/security/**KeyManagementException.h**

6.465 activemq::commands::LastPartialCommand Class Reference

`#include <src/main/activemq/commands/LastPartialCommand.h>`

Inheritance diagram for activemq::commands::LastPartialCommand:

Public Member Functions

- **LastPartialCommand** ()
- virtual ~**LastPartialCommand** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **LastPartialCommand** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

*Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

Static Public Attributes

- static const unsigned char **ID_LASTPARTIALCOMMAND** = 61

6.465.1 Constructor & Destructor Documentation

6.465.1.1 activemq::commands::LastPartialCommand::LastPartialCommand ( )

6.465.1.2 virtual activemq::commands::LastPartialCommand::∼LastPartialCommand ( ) [virtual]

6.465.2 Member Function Documentation

6.465.2.1 virtual LastPartialCommand∗ activemq::commands::LastPartialCommand::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::PartialCommand** (p. 3003).

6.465.2.2 virtual void activemq::commands::LastPartialCommand::copyDataStructure (const DataStructure ∗ *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::PartialCommand** (p. 3003).

6.465.2.3 virtual bool activemq::commands::LastPartialCommand::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::PartialCommand** (p. 3004).

6.465.2.4 virtual unsigned char activemq::commands::LastPartialCommand::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::PartialCommand** (p. 3004).

6.465.2.5 virtual std::string activemq::commands::LastPartialCommand::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::PartialCommand** (p. 3005).

6.465.3 Field Documentation

6.465.3.1 const unsigned char activemq::commands::LastPartialCommand::ID_-LASTPARTIALCOMMAND = 61 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**LastPartialCommand.h**

6.466 activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2374).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/LastPartialComm`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller:

Public Member Functions

- **LastPartialCommandMarshaller** ()
- virtual ∼**LastPartialCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.466.1 Detailed Description

Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2374).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.466.2 Constructor & Destructor Documentation

6.466.2.1 activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller::LastPartialCommandMarshaller ( ) [inline]

6.466.2.2 virtual activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller::~LastPartialCommandMarshaller ( ) [inline, virtual]

6.466.3 Member Function Documentation

6.466.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3007).

6.466.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3007).

6.466.3.3 virtual void activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3007).

6.466.3.4 virtual void activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3008).

6.466.3.5 virtual int activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3008).

6.466.3.6 virtual void activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3009).

6.466.3.7 virtual void activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller** (p. 3009).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**LastPartialCommandMarshaller.h**

6.467 activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2378).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/LastPartialComm
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller:

Public Member Functions

- **LastPartialCommandMarshaller** ()
- virtual ∼**LastPartialCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.467.1 Detailed Description

Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2378).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.467.2 Constructor & Destructor Documentation

6.467.2.1 activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller::LastPartialCommandMarshaller ( ) [inline]

6.467.2.2 virtual activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller::∼LastPartialCommandMarshaller ( ) [inline, virtual]

6.467.3 Member Function Documentation

6.467.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3020).

6.467.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3020).

6.467.3.3 virtual void activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3021).

6.467.3.4 virtual void activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3021).

6.467.3.5 virtual int activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3022).

6.467.3.6 virtual void activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3022).

6.467.3.7 virtual void activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller** (p. 3023).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**LastPartialCommandMarshaller.h**

6.468 activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2382).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/LastPartialComm
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller:

Public Member Functions

- **LastPartialCommandMarshaller** ()
- virtual ~**LastPartialCommandMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.468.1 Detailed Description

Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2382).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.468.2 Constructor & Destructor Documentation

6.468.2.1 activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller::LastPartialCommandMarshaller ( ) [inline]

6.468.2.2 virtual activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller::∼LastPartialCommandMarshaller ( ) [inline, virtual]

6.468.3 Member Function Documentation

6.468.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3011).

6.468.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller::getDataStructu ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3011).

6.468.3.3 virtual void activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3012).

6.468.3.4 virtual void activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3012).

6.468.3.5 virtual int activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3013).

6.468.3.6 virtual void activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3013).

6.468.3.7 virtual void activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller** (p. 3014).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**LastPartialCommandMarshaller.h**

6.469 activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2386).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/LastPartialComm`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller:

Public Member Functions

- **LastPartialCommandMarshaller** ()
- virtual ~**LastPartialCommandMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.469.1 Detailed Description

Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2386).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.469.2 Constructor & Destructor Documentation

6.469.2.1 activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller::LastPartialCommandMarshaller ( ) [inline]

6.469.2.2 virtual activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller::~LastPartialCommandMarsha ( ) [inline, virtual]

6.469.3 Member Function Documentation

6.469.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3016).

6.469.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller::getDataStructu ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3016).

6.469.3.3 virtual void activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3016).

6.469.3.4 virtual void activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3017).

6.469.3.5 virtual int activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3017).

6.469.3.6 virtual void activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3018).

6.469.3.7 virtual void activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller** (p. 3018).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**LastPartialCommandMarshaller.h**

6.470 activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2391).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/LastPartialCommandMarsha`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller:

Public Member Functions

- **LastPartialCommandMarshaller** ()
- virtual ∼**LastPartialCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.470.1 Detailed Description

Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2391).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.470.2 Constructor & Destructor Documentation

6.470.2.1 activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller::LastPartialCommandMarshaller ( ) [inline]

6.470.2.2 virtual activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller::~LastPartialCommandMarsha ( ) [inline, virtual]

6.470.3 Member Function Documentation

6.470.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller** (p. 3025).

6.470.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller::getDataStructu ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller** (p. 3025).

6.470.3.3 virtual void activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller** (p. 3025).

6.470.3.4 virtual void activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller** (p. 3026).

6.470.3.5 virtual int activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller** (p. 3026).

6.470.3.6 virtual void activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller** (p. 3027).

6.470.3.7 virtual void activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller** (p. 3027).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**LastPartialCommandMarshaller.h**

6.471 activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2395).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/LastPartialCommandMarsha`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller:

Public Member Functions

- **LastPartialCommandMarshaller** ()
- virtual ~**LastPartialCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.471.1 Detailed Description

Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2395).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.471.2 Constructor & Destructor Documentation

6.471.2.1 activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller::LastPartialCommandMarshaller ( ) [inline]

6.471.2.2 virtual activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller::∼LastPartialCommandMarsha ( ) [inline, virtual]

6.471.3 Member Function Documentation

6.471.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3029).

6.471.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Reimplemented from **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3029).

6.471.3.3 virtual void activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3030).

6.471.3.4 virtual void activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3030).

6.471.3.5 virtual int activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3031).

6.471.3.6 virtual void activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3031).

6.471.3.7 virtual void activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller** (p. 3032).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**LastPartialCommandMarshaller.h**

6.472 decaf::util::comparators::Less< E > Class Template Reference

Simple **Less** (p. 2399) **Comparator** (p. 1251) that compares to elements to determine if the first is less than the second.

```
#include <src/main/decaf/util/comparators/Less.h>
```

Inheritance diagram for decaf::util::comparators::Less< E >:

Public Member Functions

- **Less** ()

- virtual ~**Less** ()
- virtual bool **operator()** (const E &left, const E &right) const

  *Implementation of the Binary function interface as a means of allowing a **Comparator** (p. 1251) to be passed to an STL **Map** (p. 2538) for use as the sorting criteria.*

- virtual int **compare** (const E &o1, const E &o2) const

  Compares its two arguments for order.

6.472.1 Detailed Description

template<typename E> class decaf::util::comparators::Less< E >

Simple **Less** (p. 2399) **Comparator** (p. 1251) that compares to elements to determine if the first is less than the second. This can be used in **Collection** (p. 1216) classes to sort elements according to their natural ordering. By design the Comparator's compare function return more information about comparison than the STL binary function's boolean compare operator. In this case the compare method will return

Since

1.0

6.472.2 Constructor & Destructor Documentation

6.472.2.1 template<typename E > decaf::util::comparators::Less< E >::Less ( ) [inline]

6.472.2.2 template<typename E > virtual decaf::util::comparators::Less< E >::~Less ( ) [inline, virtual]

6.472.3 Member Function Documentation

6.472.3.1 template<typename E > virtual int decaf::util::comparators::Less< E >::compare (const E & *o1*, const E & *o2*) const [inline, virtual]

Compares its two arguments for order.

Returns a negative integer, zero, or a positive integer as the first argument is less than, equal to, or greater than the second.

The implementor must ensure that sgn(compare(x, y)) == -sgn(compare(y, x)) for all x and y. (This implies that compare(x, y) must throw an exception if and only if compare(y, x) throws an exception.)

The implementor must also ensure that the relation is transitive: ((compare(x, y)>0) && (compare(y, z)>0)) implies compare(x, z)>0.

Finally, the implementer must ensure that compare(x, y)==0 implies that sgn(compare(x, z))==sgn(compare(y, z)) for all z.

It is generally the case, but not strictly required that (compare(x, y)==0) == (x == y)). Generally speaking, any comparator that violates this condition should clearly indicate this fact. The recommended language is "Note: this comparator imposes orderings that are inconsistent with equals."

Parameters

o1	- the first object to be compared
o2	- the second object to be compared

Returns

a negative integer, zero, or a positive integer as the first argument is less than, equal to, or greater than the second.

Implements **decaf::util::Comparator< E >** (p. 1252).

6.472.3.2 template<typename E > virtual bool decaf::util::comparators::Less< E >::operator() (const E & *left*, const E & *right*) const [inline, virtual]

Implementation of the Binary function interface as a means of allowing a **Comparator** (p. 1251) to be passed to an STL **Map** (p. 2538) for use as the sorting criteria.

Parameters

left	- the Left hand side operand.
right	- the Right hand side operand.

Returns

true if the vale of left is less than the value of right.

Implements **decaf::util::Comparator< E >** (p. 1252).

The documentation for this class was generated from the following file:

- src/main/decaf/util/comparators/**Less.h**

6.473 std::less< decaf::lang::ArrayPointer< T > > Struct Template Reference

An override of the less function object so that the Pointer objects can be stored in STL Maps, etc.

```
#include <src/main/decaf/lang/ArrayPointer.h>
```

Inheritance diagram for std::less< decaf::lang::ArrayPointer< T > >:

Public Member Functions

- bool **operator()** (const **decaf::lang::ArrayPointer**< T > &left, const **decaf::lang::ArrayPointer**< T > &right) const

6.473.1 Detailed Description

template<typename T> struct std::less< decaf::lang::ArrayPointer< T > >

An override of the less function object so that the Pointer objects can be stored in STL Maps, etc.

6.473.2 Member Function Documentation

6.473.2.1 template<typename T > bool std::less< decaf::lang::ArrayPointer< T > >::operator() (const decaf::lang::ArrayPointer< T > & *left*, const decaf::lang::ArrayPointer< T > & *right*) const [inline]

References decaf::lang::ArrayPointer< T, REFCOUNTER >::get().

The documentation for this struct was generated from the following file:

- src/main/decaf/lang/**ArrayPointer.h**

6.474 std::less< decaf::lang::Pointer< T > > Struct Template Reference

An override of the less function object so that the Pointer objects can be stored in STL Maps, etc.

`#include <src/main/decaf/lang/Pointer.h>`

Inheritance diagram for std::less< decaf::lang::Pointer< T > >:

Public Member Functions

- bool **operator()** (const **decaf::lang::Pointer**< T > &left, const **decaf::lang::Pointer**< T > &right) const

6.474.1 Detailed Description

template<typename T> struct std::less< decaf::lang::Pointer< T > >

An override of the less function object so that the Pointer objects can be stored in STL Maps, etc.

6.474.2 Member Function Documentation

6.474.2.1 template<typename T > bool std::less< decaf::lang::Pointer< T > >::operator() (const decaf::lang::Pointer< T > & *left*, const decaf::lang::Pointer< T > & *right*) const [inline]

References decaf::lang::Pointer< T, REFCOUNTER >::get().

The documentation for this struct was generated from the following file:

- src/main/decaf/lang/**Pointer.h**

6.475 decaf::util::logging::Level Class Reference

The **Level** (p. 2403) class defines a set of standard logging levels that can be used to control logging output.

`#include <src/main/decaf/util/logging/Level.h>`

Inheritance diagram for decaf::util::logging::Level:

Public Member Functions

- virtual ~**Level** ()
- int **intValue** () const
- std::string **getName** () const
- std::string **toString** () const
- virtual int **compareTo** (const **Level** &value) const
- virtual bool **equals** (const **Level** &value) const
- virtual bool **operator==** (const **Level** &value) const
- virtual bool **operator<** (const **Level** &value) const

Static Public Member Functions

- static **Level parse** (const std::string &name) throw (decaf::lang::exceptions::IllegalArgumentException)

  *Parse a level name string into a **Level** (p. 2403).*

Static Public Attributes

- static const **Level INHERIT**

  *NULL is a special level that indicates that the **Logger** (p. 2461) should get its **Level** (p. 2403) from its parent **Logger** (p. 2461), the value is initialized as zero.*

- static const **Level OFF**

  OFF is a special level that can be used to turn off logging.

- static const **Level SEVERE**

  SEVERE is a message level indicating a serious failure.

- static const **Level WARNING**

  WARNING is a message level indicating a potential problem.

- static const **Level INFO**

  INFO is a message level for informational messages.

- static const **Level DEBUG**

  DEBUG is a level for more verbose informative messages.

- static const **Level CONFIG**

  CONFIG is a message level for static configuration messages.

- static const **Level FINE**

  FINE is a message level providing tracing information.

- static const **Level FINER**

  FINER indicates a fairly detailed tracing message.

- static const **Level FINEST**

  FINEST indicates a highly detailed tracing message.

- static const **Level ALL**

  ALL indicates that all messages should be logged.

Protected Member Functions

- **Level** (const std::string &name, int value)

  *Create a named **Level** (p. 2403) with a given integer value.*

6.475.1 Detailed Description

The **Level** (p. 2403) class defines a set of standard logging levels that can be used to control logging output. The logging **Level** (p. 2403) objects are ordered and are specified by ordered integers. Enabling logging at a given level also enables logging at all higher levels.

Clients should normally use the predefined **Level** (p. 2403) constants such as **Level.SEVERE** (p. 2408).

The levels in descending order are:

∗ SEVERE (highest value) ∗ WARNING ∗ INFO ∗ DEBUG ∗ CONFIG ∗ FINE ∗ FINER ∗ FINEST (lowest value)

In addition there is a level OFF that can be used to turn off logging, and a level ALL that can be used to enable logging of all messages.

It is possible for third parties to define additional logging levels by subclassing **Level** (p. 2403). In such cases subclasses should take care to chose unique integer level values.

Since

1.0

6.475.2 Constructor & Destructor Documentation

6.475.2.1 decaf::util::logging::Level::Level (const std::string & *name*, int *value*) [protected]

Create a named **Level** (p. 2403) with a given integer value.

Parameters

name	Name of the level, e.g. SEVERE
value	Unique integer value of this level, e.g. 100

6.475.2.2 virtual decaf::util::logging::Level::~Level ( ) [virtual]

6.475.3 Member Function Documentation

6.475.3.1 virtual int decaf::util::logging::Level::compareTo (const Level & *value*) const [virtual]

6.475.3.2 virtual bool decaf::util::logging::Level::equals (const Level & *value*) const [virtual]

6.475.3.3 std::string decaf::util::logging::Level::getName ( ) const [inline]

Returns

the name of this **Level** (p. 2403) instance.

6.475.3.4 int decaf::util::logging::Level::intValue ( ) const [inline]

Returns

the integer value of this level instance.

6.475.3.5 virtual bool decaf::util::logging::Level::operator< (const Level & *value*) const [virtual]

6.475.3.6 virtual bool decaf::util::logging::Level::operator== (const Level & *value*) const [virtual]

6.475.3.7 static Level decaf::util::logging::Level::parse (const std::string & *name*) throw (decaf::lang::exceptions::IllegalArgumentException) [static]

Parse a level name string into a **Level** (p. 2403).

The argument string may consist of either a level name or an integer value.

For example:

∗ "SEVERE" ∗ "1000"

Parameters

name	- The name or int value of the desired **Level** (p. 2403)

Returns

the parsed **Level** (p. 2403) value, passing in a level name that is an int value that is not one of the known **Level** (p. 2403) values will result in a new **Level** (p. 2403) that has been initialized with that int value and name as the string form of the int.

Exceptions

IllegalArgumentException	if the value is not valid, validity means that the string is either a valid int (between Integer::MIN_VALUE and Integer::MAX_VALUE or is one of the known level names.

6.475.3.8 std::string decaf::util::logging::Level::toString ( ) const [inline]

Returns

the string value of this **Level** (p. 2403), e.g. "SEVERE".

6.475.4 Field Documentation

6.475.4.1 const Level decaf::util::logging::Level::ALL [static]

ALL indicates that all messages should be logged.

This level is initialized to Integer::MIN_VALUE.

6.475.4.2 const Level decaf::util::logging::Level::CONFIG [static]

CONFIG is a message level for static configuration messages.

CONFIG messages are intended to provide a variety of static configuration information, to assist in debugging problems that may be associated with particular configurations. For example, CONFIG message might include the CPU type, the System properties, etc. This level is initialized to 600.

6.475.4.3 const Level decaf::util::logging::Level::DEBUG [static]

DEBUG is a level for more verbose informative messages.

DEBUG messages are intended to provide a more detailed message intended for use by developers in tracking the behavior of a client. DEBUG messages typically contain more implementation specific information that might not be significant to end users or system admins. This level is initialized to 700.

6.475.4.4 const Level decaf::util::logging::Level::FINE [static]

FINE is a message level providing tracing information.

All of FINE, FINER, and FINEST are intended for relatively detailed tracing. The exact meaning of the three levels will vary between subsystems, but in general, FINEST should be used for the most detailed output, FINER for somewhat less detailed output, and FINE for the lowest volume (and most important) messages.

In general the FINE level should be used for information that will be broadly interesting to developers who do not have a specialized interest in the specific subsystem.

FINE messages might include things like minor (recoverable) failures. Issues indicating potential performance problems are also worth logging as FINE. This level is initialized to 500.

6.475.4.5 const Level decaf::util::logging::Level::FINER [static]

FINER indicates a fairly detailed tracing message.

By default logging calls for entering, returning, or throwing an exception are traced at this level. This level is initialized to 400.

6.475.4.6 const Level decaf::util::logging::Level::FINEST [static]

FINEST indicates a highly detailed tracing message.

This level is initialized to 300.

6.475.4.7 const Level decaf::util::logging::Level::INFO [static]

INFO is a message level for informational messages.

Typically INFO messages will be written to the console or its equivalent. So the INFO level should only be used for reasonably significant messages that will make sense to end users and system admins. This level is initialized to 800.

6.475.4.8 const Level decaf::util::logging::Level::INHERIT [static]

NULL is a special level that indicates that the **Logger** (p. 2461) should get its **Level** (p. 2403) from its parent **Logger** (p. 2461), the value is initialized as zero.

6.475.4.9 const Level decaf::util::logging::Level::OFF [static]

OFF is a special level that can be used to turn off logging.

This level is initialized to Integer::MAX_VALUE

6.475.4.10 const Level decaf::util::logging::Level::SEVERE [static]

SEVERE is a message level indicating a serious failure.

In general SEVERE messages should describe events that are of considerable importance and which will prevent normal program execution. They should be reasonably intelligible to end users and to system administrators. This level is initialized to 1000.

6.475.4.11 const Level decaf::util::logging::Level::WARNING [static]

WARNING is a message level indicating a potential problem.

In general WARNING messages should describe events that will be of interest to end users or system managers, or which indicate potential problems. This level is initialized to 900.

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**Level.h**

6.476 decaf::util::List< E > Class Template Reference

An ordered collection (also known as a sequence).

`#include <src/main/decaf/util/List.h>`

Inheritance diagram for decaf::util::List< E >:

Public Member Functions

- **List** ()
- virtual ~**List** ()
- virtual **ListIterator**< E > * **listIterator** ()=0
- virtual **ListIterator**< E > * **listIterator** () const =0
- virtual **ListIterator**< E > * **listIterator** (std::size_t index)=0 throw (decaf::lang::exceptions::IndexOutOfBoundsExce)
- virtual **ListIterator**< E > * **listIterator** (std::size_t index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)
- virtual std::size_t **indexOf** (const E &value)=0 throw (decaf::lang::exceptions::NoSuchElementException)

  Returns the index of the first occurrence of the specified element in this list, or -1 if this list does not contain the element.

- virtual size_t **lastIndexOf** (const E &value)=0 throw (decaf::lang::exceptions::NoSuchElementException)

  Returns the index of the last occurrence of the specified element in this list, or -1 if this list does not contain the element.

- virtual E **get** (std::size_t index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Gets the element contained at position passed.

- virtual E **set** (std::size_t index, const E &element)=0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Replaces the element at the specified position in this list with the specified element.

- virtual void **add** (std::size_t index, const E &element)=0 throw (decaf::lang::exceptions::UnsupportedOperationExcept decaf::lang::exceptions::IndexOutOfBoundsException)

Inserts the specified element at the specified position in this list.

- virtual bool **addAll** (std::size_t index, const **Collection**< E > &source)=0 throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IndexOutOfBoundsE)

  Inserts all of the elements in the specified collection into this list at the specified position (optional operation).

- virtual E **remove** (std::size_t index)=0 throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Removes the element at the specified position in this list.

6.476.1 Detailed Description

template<typename E> class decaf::util::List< E >

An ordered collection (also known as a sequence). The user of this interface has precise control over where in the list each element is inserted. The user can access elements by their integer index (position in the list), and search for elements in the list.

Unlike sets, lists typically allow duplicate elements. More formally, lists typically allow pairs of elements e1 and e2 such that e1.equals(e2), and they typically allow multiple null elements if they allow null elements at all. It is not inconceivable that someone might wish to implement a list that prohibits duplicates, by throwing runtime exceptions when the user attempts to insert them, but we expect this usage to be rare.

6.476.2 Constructor & Destructor Documentation

6.476.2.1 template<typename E> decaf::util::List< E >::List ( ) [inline]

6.476.2.2 template<typename E> virtual decaf::util::List< E >::~List ( ) [inline, virtual]

6.476.3 Member Function Documentation

6.476.3.1 template<typename E> virtual void decaf::util::List< E >::add (std::size_t *index*, const E & *element*) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Inserts the specified element at the specified position in this list.

Shifts the element currently at that position (if any) and any subsequent elements to the right (adds one to their indices).

Parameters

index	- index at which the specified element is to be inserted
element	- element to be inserted

Exceptions

IndexOutOfBoundsException	- if the index is greater than size
UnsupportedOperationException	- If the collection is non-modifiable.

Implemented in **decaf::util::StlList< E >** (p. 3701), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3701), **decaf::util::StlList< CompositeTask * >** (p. 3701), **decaf::util::StlList< URI >** (p. 3701), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3701), **decaf::util::StlList< PrimitiveValueNode >** (p. 3701), **decaf::util::StlList< Pointer< Command > >** (p. 3701), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3701), **decaf::util::StlList< cms::MessageProducer * >** (p. 3701), **decaf::util::StlList< cms::Destination * >** (p. 3701), **decaf::util::StlList< cms::Session * >** (p. 3701), and **decaf::util::StlList< cms::Connection * >** (p. 3701).

6.476.3.2 template<typename E> virtual bool decaf::util::List< E >::addAll (std::size_t *index*, const Collection< E > & *source*) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Inserts all of the elements in the specified collection into this list at the specified position (optional operation).

Shifts the element currently at that position (if any) and any subsequent elements to the right (increases their indices). The new elements will appear in this list in the order that they are returned by the specified collection's iterator. The behavior of this operation is undefined if the specified collection is modified while the operation is in progress. (Note that this will occur if the specified collection is this list, and it's nonempty.)

Parameters

index	The index at which to insert the first element from the specified collection
source	The **Collection** (p. 1216) containing elements to be added to this list

Returns

true if this list changed as a result of the call

Exceptions

IndexOutOfBoundsException	- if the index is greater than size
UnsupportedOperationException	- If the collection is non-modifiable.

Implemented in **decaf::util::StlList< E >** (p. 3701), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3701), **decaf::util::StlList< CompositeTask * >** (p. 3701), **decaf::util::StlList< URI >** (p. 3701), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3701), **decaf::util::StlList< PrimitiveValueNode >** (p. 3701), **decaf::util::StlList< Pointer< Command > >** (p. 3701), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3701), **decaf::util::StlList< cms::MessageProducer * >** (p. 3701), **decaf::util::StlList< cms::Destination * >** (p. 3701), **decaf::util::StlList< cms::Session * >** (p. 3701), and **decaf::util::StlList< cms::Connection * >** (p. 3701).

6.476.3.3 template<typename E> virtual E decaf::util::List< E >::get (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Gets the element contained at position passed.

Parameters

index	- position to get

Returns

value at index

Implemented in **decaf::util::StlList< E >** (p. 3703), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3703), **decaf::util::StlList< CompositeTask * >** (p. 3703), **decaf::util::StlList< URI >** (p. 3703), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3703), **decaf::util::StlList< PrimitiveValueNode >** (p. 3703), **decaf::util::StlList< Pointer< Command > >** (p. 3703), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3703), **decaf::util::StlList< cms::MessageProducer * >** (p. 3703), **decaf::util::StlList< cms::Destination * >** (p. 3703), **decaf::util::StlList< cms::Session * >** (p. 3703), and **decaf::util::StlList< cms::Connection * >** (p. 3703).

6.476.3.4 template<typename E> virtual std::size_t decaf::util::List< E >::indexOf (const E & *value*) throw (decaf::lang::exceptions::NoSuchElementException) [pure virtual]

Returns the index of the first occurrence of the specified element in this list, or -1 if this list does not contain the element.

More formally, returns the lowest index i such that get(i) == value, or -1 if there is no such index.

Parameters

value	- element to search for

Returns

the index of the first occurrence of the specified element in this list,

Exceptions

NoSuchElementException	if value is not in the list

Implemented in **decaf::util::StlList< E >** (p. 3703), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3703), **decaf::util::StlList< CompositeTask * >** (p. 3703), **decaf::util::StlList< URI >** (p. 3703), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3703), **decaf::util::StlList< PrimitiveValueNode >** (p. 3703), **decaf::util::StlList< Pointer< Command > >** (p. 3703), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3703), **decaf::util::StlList< cms::MessageProducer * >** (p. 3703), **decaf::util::StlList< cms::Destination * >** (p. 3703), **decaf::util::StlList< cms::Session * >** (p. 3703), and **decaf::util::StlList< cms::Connection * >** (p. 3703).

6.476.3.5 template<typename E> virtual size_t decaf::util::List< E >::lastIndexOf (const E & *value*) throw (decaf::lang::exceptions::NoSuchElementException) [pure virtual]

Returns the index of the last occurrence of the specified element in this list, or -1 if this list does not contain the element.

More formally, returns the highest index i such that get(i) == value or -1 if there is no such index.

Parameters

value	- element to search for

Returns

the index of the last occurrence of the specified element in this list.

Exceptions

NoSuchElementException	if value is not in the list

Implemented in **decaf::util::StlList< E >** (p. 3704), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3704), **decaf::util::StlList< CompositeTask * >** (p. 3704), **decaf::util::StlList< URI >** (p. 3704), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3704), **decaf::util::StlList< PrimitiveValueNode >** (p. 3704), **decaf::util::StlList< Pointer< Command > >** (p. 3704), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3704), **decaf::util::StlList< cms::MessageProducer * >** (p. 3704), **decaf::util::StlList< cms::Destination * >** (p. 3704), **decaf::util::StlList< cms::Session * >** (p. 3704), and **decaf::util::StlList< cms::Connection * >** (p. 3704).

6.476.3.6 template<typename E> virtual ListIterator<E>* decaf::util::List< E >::listIterator ( ) [pure virtual]

Returns

a list iterator over the elements in this list (in proper sequence).

Implemented in **decaf::util::StlList< E >** (p. 3705), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3705), **decaf::util::StlList< CompositeTask * >** (p. 3705), **decaf::util::StlList< URI >** (p. 3705), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3705), **decaf::util::StlList< PrimitiveValueNode >** (p. 3705), **decaf::util::StlList< Pointer< Command > >** (p. 3705), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3705), **decaf::util::StlList< cms::MessageProducer * >** (p. 3705), **decaf::util::StlList< cms::Destination * >** (p. 3705), **decaf::util::StlList< cms::Session * >** (p. 3705), and **decaf::util::StlList< cms::Connection * >** (p. 3705).

6.476.3.7 template<typename E> virtual ListIterator<E>* decaf::util::List< E >::listIterator (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Implemented in **decaf::util::StlList< E >** (p. 3706), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3706), **decaf::util::StlList< CompositeTask * >** (p. 3706), **decaf::util::StlList< URI >** (p. 3706), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3706), **decaf::util::StlList< PrimitiveValueNode >** (p. 3706), **decaf::util::StlList< Pointer< Command > >** (p. 3706), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3706), **decaf::util::StlList< cms::MessageProducer * >** (p. 3706), **decaf::util::StlList< cms::Destination * >** (p. 3706), **decaf::util::StlList< cms::Session * >** (p. 3706), and **decaf::util::StlList< cms::Connection * >** (p. 3706).

6.476.3.8 template<typename E> virtual ListIterator<E>* decaf::util::List< E >::listIterator ( ) const [pure virtual]

Implemented in **decaf::util::StlList< E >** (p. 3706), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3706), **decaf::util::StlList< CompositeTask * >** (p. 3706), **decaf::util::StlList< URI >** (p. 3706), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3706), **decaf::util::StlList< PrimitiveValueNode >** (p. 3706), **decaf::util::StlList< Pointer< Command > >** (p. 3706), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3706), **decaf::util::StlList< cms::MessageProducer * >** (p. 3706), **decaf::util::StlList< cms::Destination * >** (p. 3706), **decaf::util::StlList< cms::Session * >** (p. 3706), and **decaf::util::StlList< cms::Connection * >** (p. 3706).

6.476.3.9 template<typename E> virtual ListIterator<E>* decaf::util::List< E >::listIterator (std::size_t *index*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Parameters

index	index of first element to be returned from the list iterator (by a call to the next method).

Returns

a list iterator of the elements in this list (in proper sequence), starting at the specified position in this list. The specified index indicates the first element that would be returned by an initial call to next. An initial call to previous would return the element with the specified index minus one.

Exceptions

IndexOutOfBoundsException	if the index is out of range (index < 0 || index > **size()** (p. 1226))

Implemented in **decaf::util::StlList< E >** (p. 3705), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3705), **decaf::util::StlList< CompositeTask * >** (p. 3705), **decaf::util::StlList< URI >** (p. 3705), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3705), **decaf::util::StlList< PrimitiveValueNode >** (p. 3705), **decaf::util::StlList< Pointer< Command > >** (p. 3705), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3705), **decaf::util::StlList< cms::MessageProducer * >** (p. 3705), **decaf::util::StlList< cms::Destination * >** (p. 3705), **decaf::util::StlList< cms::Session * >** (p. 3705), and **decaf::util::StlList< cms::Connection * >** (p. 3705).

6.476.3.10 template<typename E> virtual E decaf::util::List< E >::remove (std::size_t *index*) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Removes the element at the specified position in this list.

Shifts any subsequent elements to the left (subtracts one from their indices). Returns the element that was removed from the list.

Parameters

index	- the index of the element to be removed

Returns

the element previously at the specified position

Exceptions

IndexOutOfBoundsException	- if the index is greater than size

UnsupportedOperationException	- If the collection is non-modifiable.

Implemented in **decaf::util::StlList< E >** (p. 3706), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3706), **decaf::util::StlList< CompositeTask * >** (p. 3706), **decaf::util::StlList< URI >** (p. 3706), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3706), **decaf::util::StlList< PrimitiveValueNode >** (p. 3706), **decaf::util::StlList< Pointer< Command > >** (p. 3706), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3706), **decaf::util::StlList< cms::MessageProducer * >** (p. 3706), **decaf::util::StlList< cms::Destination * >** (p. 3706), **decaf::util::StlList< cms::Session * >** (p. 3706), and **decaf::util::StlList< cms::Connection * >** (p. 3706).

6.476.3.11 template<typename E> virtual E decaf::util::List< E >::set (std::size_t *index*, const E & *element*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Replaces the element at the specified position in this list with the specified element.

Parameters

index	- index of the element to replace
element	- element to be stored at the specified position

Returns

the element previously at the specified position

Exceptions

IndexOutOfBoundsException	- if the index is greater than size

Implemented in **decaf::util::StlList< E >** (p. 3707), **decaf::util::StlList< cms::MessageConsumer * >** (p. 3707), **decaf::util::StlList< CompositeTask * >** (p. 3707), **decaf::util::StlList< URI >** (p. 3707), **decaf::util::StlList< Pointer< DestinationInfo > >** (p. 3707), **decaf::util::StlList< PrimitiveValueNode >** (p. 3707), **decaf::util::StlList< Pointer< Command > >** (p. 3707), **decaf::util::StlList< Pointer< BackupTransport > >** (p. 3707), **decaf::util::StlList< cms::MessageProducer * >** (p. 3707), **decaf::util::StlList< cms::Destination * >** (p. 3707), **decaf::util::StlList< cms::Session * >** (p. 3707), and **decaf::util::StlList< cms::Connection * >** (p. 3707).

The documentation for this class was generated from the following file:

- src/main/decaf/util/**List.h**

6.477 decaf::util::ListIterator< E > Class Template Reference

An iterator for lists that allows the programmer to traverse the list in either direction, modify the list during iteration, and obtain the iterator's current position in the list.

`#include <src/main/decaf/util/ListIterator.h>`

Inheritance diagram for decaf::util::ListIterator< E >:

Public Member Functions

- virtual ~**ListIterator** ()
- virtual void **add** (const E &e)=0 throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException)

  Inserts the specified element into the list (optional operation).

- virtual void **set** (const E &e)=0 throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Replaces the last element returned by next or previous with the specified element (optional operation).

- virtual bool **hasPrevious** () const =0

  Returns true if this list iterator has more elements when traversing the list in the reverse direction.

- virtual E **previous** ()=0

  Returns the previous element in the list.

- virtual int **nextIndex** () const =0

  Returns the index of the element that would be returned by a subsequent call to next.

- virtual int **previousIndex** () const =0

  Returns the index of the element that would be returned by a subsequent call to previous.

6.477.1 Detailed Description

template<typename E> class decaf::util::ListIterator< E >

An iterator for lists that allows the programmer to traverse the list in either direction, modify the list during iteration, and obtain the iterator's current position in the list. Note that the **remove()** (p. 2223) and set(Object) methods are not defined in terms of the cursor position; they are defined to operate on the last element returned by a call to **next()** (p. 2223) or **previous()** (p. 2419).

6.477.2 Constructor & Destructor Documentation

6.477.2.1 template<typename E > virtual decaf::util::ListIterator< E >::~ListIterator ( ) [inline, virtual]

6.477.3 Member Function Documentation

6.477.3.1 template<typename E > virtual void decaf::util::ListIterator< E >::add (const E & *e*) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException) [pure virtual]

Inserts the specified element into the list (optional operation).

The element is inserted immediately before the next element that would be returned by next, if any, and after the next element that would be returned by previous, if any. (If the list contains no elements, the new element becomes the sole element on the list.) The new element is inserted before the implicit cursor: a subsequent call to next would be unaffected, and a subsequent call to previous would return the new element. (This call increases by one the value that would be returned by a call to nextIndex or previousIndex.)

Parameters

e	- the element to insert.

Exceptions

UnsupportedOperationException	- if the add method is not supported by this list iterator.
IllegalArgumentException	- if some aspect of this element prevents it from being added to this list.

6.477.3.2 template<typename E > virtual bool decaf::util::ListIterator< E >::hasPrevious ( ) const [pure virtual]

Returns true if this list iterator has more elements when traversing the list in the reverse direction.

(In other words, returns true if previous would return an element rather than throwing an exception.)

Returns

true if the list iterator has more elements when traversing the list in the reverse direction.

6.477.3.3 template<typename E > virtual int decaf::util::ListIterator< E >::nextIndex ( ) const [pure virtual]

Returns the index of the element that would be returned by a subsequent call to next.

(Returns list size if the list iterator is at the end of the list.)

Returns

the index of the element that would be returned by a subsequent call to next, or list size if list iterator is at end of list.

6.477.3.4 template<typename E > virtual E decaf::util::ListIterator< E >::previous ( ) [pure virtual]

Returns the previous element in the list.

This method may be called repeatedly to iterate through the list backwards, or intermixed with calls to next to go back and forth. (Note that alternating calls to next and previous will return the same element repeatedly.)

Returns

the previous element in the list.

Exceptions

NoSuchElementException	- if the iteration has no previous element.

6.477.3.5 template<typename E > virtual int decaf::util::ListIterator< E >::previousIndex ( ) const [pure virtual]

Returns the index of the element that would be returned by a subsequent call to previous.

(Returns -1 if the list iterator is at the beginning of the list.)

Returns

the index of the element that would be returned by a subsequent call to previous, or -1 if list iterator is at beginning of list.

6.477.3.6 template<typename E > virtual void decaf::util::ListIterator< E >::set (const E & e) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException) [pure virtual]

Replaces the last element returned by next or previous with the specified element (optional operation).

This call can be made only if neither **ListIterator.remove** (p. 2223) nor **ListIterator.add** (p. 2418) have been called after the last call to next or previous.

Parameters

e	- the element with which to replace the last element returned by next or previous.

Exceptions

UnsupportedOperationException	- if the add method is not supported by this list iterator.
IllegalArgumentException	- if some aspect of this element prevents it from being added to this list.
IllegalStateException	- if neither next nor previous have been called, or remove or add have been called after the last call to next or previous.

The documentation for this class was generated from the following file:

- src/main/decaf/util/**ListIterator.h**

6.478 activemq::commands::LocalTransactionId Class Reference

`#include <src/main/activemq/commands/LocalTransactionId.h>`

Inheritance diagram for activemq::commands::LocalTransactionId:

Public Types

- typedef **decaf::lang::PointerComparator**< **LocalTransactionId** > **COMPARATOR**

Public Member Functions

- **LocalTransactionId** ()
- **LocalTransactionId** (const **LocalTransactionId** &other)
- virtual ~**LocalTransactionId** ()
- virtual unsigned char **getDataStructureType** () const

Get the unique identifier that this object and its own Marshaler share.

- virtual **LocalTransactionId** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗**value**) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual long long **getValue** () const
- virtual void **setValue** (long long **value**)
- virtual const **Pointer**< **ConnectionId** > & **getConnectionId** () const
- virtual **Pointer**< **ConnectionId** > & **getConnectionId** ()
- virtual void **setConnectionId** (const **Pointer**< **ConnectionId** > &**connectionId**)
- virtual int **compareTo** (const **LocalTransactionId** &**value**) const
- virtual bool **equals** (const **LocalTransactionId** &**value**) const
- virtual bool **operator==** (const **LocalTransactionId** &**value**) const
- virtual bool **operator**< (const **LocalTransactionId** &**value**) const
- **LocalTransactionId** & **operator=** (const **LocalTransactionId** &other)

Static Public Attributes

- static const unsigned char **ID_LOCALTRANSACTIONID** = 111

Protected Attributes

- long long **value**
- **Pointer**< **ConnectionId** > **connectionId**

6.478.1 Member Typedef Documentation

6.478.1.1 typedef decaf::lang::PointerComparator<LocalTransactionId> activemq::commands::LocalTransactionId::COMPARATOR

Reimplemented from **activemq::commands::TransactionId** (p. 3933).

6.478.2 Constructor & Destructor Documentation

6.478.2.1 activemq::commands::LocalTransactionId::LocalTransactionId ( )

6.478.2.2 activemq::commands::LocalTransactionId::LocalTransactionId (const LocalTransactionId & *other*)

6.478.2.3 virtual activemq::commands::LocalTransactionId::~LocalTransactionId ( ) [virtual]

6.478.3 Member Function Documentation

6.478.3.1 virtual LocalTransactionId* activemq::commands::LocalTransactionId::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::TransactionId** (p. 3933).

6.478.3.2 virtual int activemq::commands::LocalTransactionId::compareTo (const LocalTransactionId & *value*) const [virtual]

6.478.3.3 virtual void activemq::commands::LocalTransactionId::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::TransactionId** (p. 3934).

6.478.3.4 virtual bool activemq::commands::LocalTransactionId::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::TransactionId** (p. 3934).

6.478.3.5 virtual bool activemq::commands::LocalTransactionId::equals (const LocalTransactionId & *value*) const [virtual]

6.478.3.6 virtual const Pointer<ConnectionId>& activemq::commands::LocalTransactionId::getConnectionId ( ) const [virtual]

6.478.3.7 virtual Pointer<ConnectionId>& activemq::commands::LocalTransactionId::getConnectionId ( ) [virtual]

6.478.3.8 virtual unsigned char activemq::commands::LocalTransactionId::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::TransactionId** (p. 3934).

6.478.3.9 virtual long long activemq::commands::LocalTransactionId::getValue ( ) const [virtual]

6.478.3.10 virtual bool activemq::commands::LocalTransactionId::operator< (const LocalTransactionId & *value*) const [virtual]

6.478.3.11 LocalTransactionId& activemq::commands::LocalTransactionId::operator= (const LocalTransactionId & *other*)

6.478.3.12 virtual bool activemq::commands::LocalTransactionId::operator== (const LocalTransactionId & *value*) const [virtual]

6.478.3.13 virtual void activemq::commands::LocalTransactionId::setConnectionId (const Pointer< ConnectionId > & *connectionId*) [virtual]

6.478.3.14 virtual void activemq::commands::LocalTransactionId::setValue (long long *value*) [virtual]

6.478.3.15 virtual std::string activemq::commands::LocalTransactionId::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::TransactionId** (p. 3935).

6.478.4 Field Documentation

6.478.4.1 Pointer<ConnectionId> activemq::commands::LocalTransactionId::connectionId [protected]

6.478.4.2 const unsigned char activemq::commands::LocalTransactionId::ID_-LOCALTRANSACTIONID = 111 [static]

6.478.4.3 long long activemq::commands::LocalTransactionId::value [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**LocalTransactionId.h**

6.479 activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2425).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/LocalTransactionIdMarsha`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller:

Public Member Functions

- **LocalTransactionIdMarshaller** ()
- virtual ~**LocalTransactionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.479.1 Detailed Description

Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2425).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.479.2 Constructor & Destructor Documentation

6.479.2.1 activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller::LocalTransactionIdMarshaller ( ) [inline]

6.479.2.2 virtual activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller::~LocalTransactionIdMarshaller ( ) [inline, virtual]

6.479.3 Member Function Documentation

6.479.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.479.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller::getDataStructure ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.479.3.3 virtual void activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3957).

6.479.3.4 virtual void activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3957).

6.479.3.5 virtual int activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3958).

6.479.3.6 virtual void activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3958).

6.479.3.7 virtual void activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3959).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**LocalTransactionIdMarshaller.h**

6.480 activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2429).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/LocalTransactionIdMarsha
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller:

Public Member Functions

- **LocalTransactionIdMarshaller** ()
- virtual ~**LocalTransactionIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.480.1 Detailed Description

Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2429).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.480.2 Constructor & Destructor Documentation

6.480.2.1 activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller::LocalTransactionIdMarshaller ( ) [inline]

6.480.2.2 virtual activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller::∼LocalTransactionIdMarshaller ( ) [inline, virtual]

6.480.3 Member Function Documentation

6.480.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.480.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller::getDataStructure ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.480.3.3 virtual void activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3945).

6.480.3.4 virtual void activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3945).

6.480.3.5 virtual int activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3946).

6.480.3.6 virtual void activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3946).

6.480.3.7 virtual void activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3947).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**LocalTransactionIdMarshaller.h**

6.481 activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2433).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/LocalTransactionIdMarsha
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller:

Public Member Functions

- **LocalTransactionIdMarshaller** ()
- virtual ~**LocalTransactionIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.481.1 Detailed Description

Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2433).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.481.2 Constructor & Destructor Documentation

6.481.2.1 activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller::LocalTransactionIdMarshaller ( ) [inline]

6.481.2.2 virtual activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller::∼LocalTransactionIdMarshaller ( ) [inline, virtual]

6.481.3 Member Function Documentation

6.481.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.481.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.481.3.3 virtual void activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3949).

6.481.3.4 virtual void activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3949).

6.481.3.5 virtual int activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3950).

6.481.3.6 virtual void activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3950).

6.481.3.7 virtual void activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3951).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**LocalTransactionIdMarshaller.h**

6.482 activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2437).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/LocalTransactionIdMarsha
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller:

Public Member Functions

- **LocalTransactionIdMarshaller** ()
- virtual ~**LocalTransactionIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.482.1 Detailed Description

Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2437).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.482.2 Constructor & Destructor Documentation

6.482.2.1 activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller::LocalTransactionIdMarshaller ( ) [inline]

6.482.2.2 virtual activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller::~LocalTransactionIdMarshaller ( ) [inline, virtual]

6.482.3 Member Function Documentation

6.482.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.482.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.482.3.3 virtual void activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3937).

6.482.3.4 virtual void activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3937).

6.482.3.5 virtual int activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3938).

6.482.3.6 virtual void activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3938).

6.482.3.7 virtual void activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3939).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**LocalTransactionIdMarshaller.h**

6.483 activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2442).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/LocalTransactio`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller:

Public Member Functions

- **LocalTransactionIdMarshaller** ()
- virtual ~**LocalTransactionIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.483.1 Detailed Description

Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2442).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.483.2 Constructor & Destructor Documentation

6.483.2.1 activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller::LocalTransactionIdMarshaller ( ) [inline]

6.483.2.2 virtual activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller::~LocalTransactionIdMarshaller ( ) [inline, virtual]

6.483.3 Member Function Documentation

6.483.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.483.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.483.3.3 virtual void activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3953).

6.483.3.4 virtual void activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3953).

6.483.3.5 virtual int activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3954).

6.483.3.6 virtual void activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3954).

6.483.3.7 virtual void activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3955).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**LocalTransactionIdMarshaller.h**

6.484 activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2446).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/LocalTransactio
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller:

Public Member Functions

- **LocalTransactionIdMarshaller** ()
- virtual ∼**LocalTransactionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.484.1 Detailed Description

Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2446).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.484.2 Constructor & Destructor Documentation

6.484.2.1 activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller::LocalTransactionIdMarshaller ( ) [inline]

6.484.2.2 virtual activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller::∼LocalTransactionIdMarshaller ( ) [inline, virtual]

6.484.3 Member Function Documentation

6.484.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.484.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.484.3.3 virtual void activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3941).

6.484.3.4 virtual void activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3941).

6.484.3.5 virtual int activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3942).

6.484.3.6 virtual void activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3942).

6.484.3.7 virtual void activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3943).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**LocalTransactionIdMarshaller.h**

6.485 decaf::util::concurrent::Lock Class Reference

A wrapper class around a given synchronization mechanism that provides automatic release upon destruction.

`#include <src/main/decaf/util/concurrent/Lock.h>`

Public Member Functions

- **Lock** (**Synchronizable** *object, const bool intiallyLocked=true)

  Constructor - initializes the object member and locks the object if desired.

- virtual ~**Lock** ()

  Destructor - Unlocks the object if it is locked.

- void **lock** ()

  Locks the object.

- void **unlock** ()

  Unlocks the object if it is already locked, otherwise a call to this method has no effect.

- bool **isLocked** () const

Indicates whether or not the object is locked.

6.485.1 Detailed Description

A wrapper class around a given synchronization mechanism that provides automatic release upon destruction.

Since

1.0

6.485.2 Constructor & Destructor Documentation

6.485.2.1 decaf::util::concurrent::Lock::Lock (Synchronizable * *object*, const bool *intiallyLocked* = `true`)

Constructor - initializes the object member and locks the object if desired.

Parameters

object	The sync object to control
intially-Locked	If true, the object will automatically be locked.

6.485.2.2 virtual decaf::util::concurrent::Lock::~Lock ( ) `[virtual]`

Destructor - Unlocks the object if it is locked.

6.485.3 Member Function Documentation

6.485.3.1 bool decaf::util::concurrent::Lock::isLocked ( ) const `[inline]`

Indicates whether or not the object is locked.

Returns

true if the object is locked, otherwise false.

6.485.3.2 void decaf::util::concurrent::Lock::lock ( )

Locks the object.

6.485.3.3 void decaf::util::concurrent::Lock::unlock ( )

Unlocks the object if it is already locked, otherwise a call to this method has no effect.

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**Lock.h**

6.486 decaf::util::concurrent::locks::Lock Class Reference

Lock (p. 2452) implementations provide more extensive locking operations than can be obtained using synchronized statements.

`#include <src/main/decaf/util/concurrent/locks/Lock.h>`

Inheritance diagram for decaf::util::concurrent::locks::Lock:

Public Member Functions

- virtual ~**Lock** ()
- virtual void **lock** ()=0 throw (decaf::lang::exceptions::RuntimeException)

  Acquires the lock.

- virtual void **lockInterruptibly** ()=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException)

  Acquires the lock unless the current thread is interrupted.

- virtual bool **tryLock** ()=0 throw (decaf::lang::exceptions::RuntimeException)

  Acquires the lock only if it is free at the time of invocation.

- virtual bool **tryLock** (long long time, const **TimeUnit** &unit)=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException)

  Acquires the lock if it is free within the given waiting time and the current thread has not been interrupted.

- virtual void **unlock** ()=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Releases the lock.

- virtual **Condition** * **newCondition** ()=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::UnsupportedOperationException)

  *Returns a new **Condition** (p. 1282) instance that is bound to this **Lock** (p. 2452) instance.*

6.486.1 Detailed Description

Lock (p. 2452) implementations provide more extensive locking operations than can be obtained using synchronized statements. They allow more flexible structuring, may have quite different properties, and may support multiple associated **Condition** (p. 1282) objects.

A lock is a tool for controlling access to a shared resource by multiple threads. Commonly, a lock provides exclusive access to a shared resource: only one thread at a time can acquire the lock and all access to the shared resource requires that the lock be acquired first. However, some locks may allow concurrent access to a shared resource, such as the read lock of a **ReadWriteLock** (p. 3263).

While the scoping mechanism for synchronized statements makes it much easier easier to program with monitor locks, and helps avoid many common programming errors involving locks, there are occasions where you need to work with locks in a more flexible way. For example, some algorithms for traversing concurrently accessed data structures require the use of "hand-over-hand" or "chain locking": you acquire the lock of node A, then node B, then release A and acquire C, then release B and acquire D and so on. Implementations of the **Lock** (p. 2452) interface enable the use of such techniques by allowing a lock to be acquired and released in different scopes, and allowing multiple locks to be acquired and released in any order.

With this increased flexibility comes additional responsibility. The absence of block-structured locking removes the automatic release of locks that occurs with synchronized statements. In most cases, the following idiom should be used:

Lock (p. 2452) l = ...; l.lock(); try { // access the resource protected by this lock } catch(...) { l.unlock(); }

When locking and unlocking occur in different scopes, care must be taken to ensure that all code that is executed while the lock is held is protected by try-catch ensure that the lock is released when necessary.

Lock (p. 2452) implementations provide additional functionality over the use of synchronized methods and statements by providing a non-blocking attempt to acquire a lock (**tryLock()** (p. 2457)), an attempt to acquire the lock that can be interrupted (**lockInterruptibly()** (p. 2454), and an attempt to acquire the lock that can timeout (tryLock(long, TimeUnit)).

Note that **Lock** (p. 2452) instances are just normal objects and can themselves be used as the target in a synchronized statement.

The three forms of lock acquisition (interruptible, non-interruptible, and timed) may differ in their performance characteristics, ordering guarantees, or other implementation qualities. Further, the ability to interrupt the ongoing acquisition of a lock may not be available in a given **Lock** (p. 2452) class. Consequently, an implementation is not required to define exactly the same guarantees or semantics for all three forms of lock acquisition, nor is it required to support interruption of an ongoing lock acquisition. An implementation is required to clearly document the semantics and guarantees provided by each of the locking methods. It must also obey the interruption semantics as defined in this interface, to the extent that interruption of lock acquisition is supported: which is either totally, or only on method entry.

As interruption generally implies cancellation, and checks for interruption are often infrequent, an implementation can favor responding to an interrupt over normal method return. This is true even if it can be shown that the interrupt occurred after another action may have unblocked the thread. An implementation should document this behavior.

Since

1.0

6.486.2 Constructor & Destructor Documentation

6.486.2.1 virtual decaf::util::concurrent::locks::Lock::~Lock ( ) [inline, virtual]

6.486.3 Member Function Documentation

6.486.3.1 virtual void decaf::util::concurrent::locks::Lock::lock ( ) throw (**decaf::lang::exceptions::RuntimeException**) [pure virtual]

Acquires the lock.

If the lock is not available then the current thread becomes disabled for thread scheduling purposes and lies dormant until the lock has been acquired.

Implementation Considerations

A **Lock** (p. 2452) implementation may be able to detect erroneous use of the lock, such as an invocation that would cause deadlock, and may throw an exception in such circumstances. The circumstances and the exception type must be documented by that **Lock** (p. 2452) implementation.

Exceptions

RuntimeException	if an error occurs while acquiring the lock.

Implemented in **decaf::util::concurrent::locks::ReentrantLock** (p. 3276).

6.486.3.2 virtual void decaf::util::concurrent::locks::Lock::lockInterruptibly ( ) throw (**decaf::lang::exceptions::RuntimeException**, **decaf::lang::exceptions::InterruptedException**) [pure virtual]

Acquires the lock unless the current thread is interrupted.

Acquires the lock if it is available and returns immediately.

If the lock is not available then the current thread becomes disabled for thread scheduling purposes and lies dormant until one of two things happens:

∗ The lock is acquired by the current thread; or ∗ Some other thread interrupts the current thread, and interruption of lock acquisition is supported.

If the current thread:

∗ has its interrupted status set on entry to this method; or ∗ is interrupted while acquiring the lock, and interruption of lock acquisition is supported,

then InterruptedException is thrown and the current thread's interrupted status is cleared.

Implementation Considerations

The ability to interrupt a lock acquisition in some implementations may not be possible, and if possible may be an expensive operation. The programmer should be aware that this may be the case. An implementation should document when this is the case.

An implementation can favor responding to an interrupt over normal method return.

A **Lock** (p. 2452) implementation may be able to detect erroneous use of the lock, such as an invocation that would cause deadlock, and may throw an exception in such circumstances. The circumstances and the exception type must be documented by that **Lock** (p. 2452) implementation.

Exceptions

RuntimeException	if an error occurs while acquiring the lock.
InterruptedException	if the current thread is interrupted while acquiring the lock (and interruption of lock acquisition is supported).

Implemented in **decaf::util::concurrent::locks::ReentrantLock** (p. 3276).

6.486.3.3 virtual Condition∗ decaf::util::concurrent::locks::Lock::newCondition ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::UnsupportedOperationException) [pure virtual]

Returns a new **Condition** (p. 1282) instance that is bound to this **Lock** (p. 2452) instance.

Before waiting on the condition the lock must be held by the current thread. A call to **Condition.await()** (p. 1285) will atomically release the lock before waiting and reacquire the lock before the wait returns.

Implementation Considerations

The exact operation of the **Condition** (p. 1282) instance depends on the **Lock** (p. 2452) implementation and must be documented by that implementation.

Returns

A new **Condition** (p. 1282) instance for this **Lock** (p. 2452) instance the caller must delete the returned **Condition** (p. 1282) object when done with it.

Exceptions

RuntimeException	if an error occurs while creating the **Condition** (p. 1282).
UnsupportedOperationException	if this **Lock** (p. 2452) implementation does not support conditions

Implemented in **decaf::util::concurrent::locks::ReentrantLock** (p. 3277).

6.486.3.4 virtual bool decaf::util::concurrent::locks::Lock::tryLock (long long *time*, const TimeUnit & *unit*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException) [pure virtual]

Acquires the lock if it is free within the given waiting time and the current thread has not been interrupted.

If the lock is available this method returns immediately with the value true. If the lock is not available then the current thread becomes disabled for thread scheduling purposes and lies dormant until one of three things happens:

∗ The lock is acquired by the current thread; or ∗ Some other thread interrupts the current thread, and interruption of lock acquisition is supported; or ∗ The specified waiting time elapses

If the lock is acquired then the value true is returned.

If the current thread:

∗ has its interrupted status set on entry to this method; or ∗ is interrupted while acquiring the lock, and interruption of lock acquisition is supported,

then InterruptedException is thrown and the current thread's interrupted status is cleared.

If the specified waiting time elapses then the value false is returned. If the time is less than or equal to zero, the method will not wait at all.

Implementation Considerations

The ability to interrupt a lock acquisition in some implementations may not be possible, and if possible may be an expensive operation. The programmer should be aware that this may be the case. An implementation should document when this is the case.

An implementation can favor responding to an interrupt over normal method return, or reporting a timeout.

A **Lock** (p. 2452) implementation may be able to detect erroneous use of the lock, such as an invocation that would cause deadlock, and may throw an (unchecked) exception in such circumstances. The circumstances and the exception type must be documented by that **Lock** (p. 2452) implementation.

Parameters

time	the maximum time to wait for the lock
unit	the time unit of the time argument

Returns

true if the lock was acquired and false if the waiting time elapsed before the lock was acquired

Exceptions

RuntimeException	if an error occurs while acquiring the lock.

InterruptedException	if the current thread is interrupted while acquiring the lock (and interruption of lock acquisition is supported)

Implemented in **decaf::util::concurrent::locks::ReentrantLock** (p. 3278).

6.486.3.5 virtual bool decaf::util::concurrent::locks::Lock::tryLock ( ) throw (decaf::lang::exceptions::RuntimeException) [pure virtual]

Acquires the lock only if it is free at the time of invocation.

Acquires the lock if it is available and returns immediately with the value true. If the lock is not available then this method will return immediately with the value false.

A typical usage idiom for this method would be:

Lock (p. 2452) lock = ...; if (lock.tryLock()) { try { // manipulate protected state } catch(...) { lock.unlock(); } } else { // perform alternative actions }

This usage ensures that the lock is unlocked if it was acquired, and doesn't try to unlock if the lock was not acquired.

Returns

true if the lock was acquired and false otherwise

Exceptions

RuntimeException	if an error occurs while acquiring the lock.

Implemented in **decaf::util::concurrent::locks::ReentrantLock** (p. 3279).

6.486.3.6 virtual void decaf::util::concurrent::locks::Lock::unlock ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [pure virtual]

Releases the lock.

Implementation Considerations

A **Lock** (p. 2452) implementation will usually impose restrictions on which thread can release a lock (typically only the holder of the lock can release it) and may throw an exception if the restriction is violated. Any restrictions and the exception type must be documented by that **Lock** (p. 2452) implementation.

Exceptions

RuntimeException	if an error occurs while acquiring the lock.
IllegalMonitorState-Exception	if the current thread is not the owner of the lock.

Implemented in **decaf::util::concurrent::locks::ReentrantLock** (p. 3280).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/locks/**Lock.h**

6.487 decaf::util::concurrent::locks::LockSupport Class Reference

Basic thread blocking primitives for creating locks and other synchronization classes.

`#include <src/main/decaf/util/concurrent/locks/LockSupport.h>`

Public Member Functions

- ~**LockSupport** ()

Static Public Member Functions

- static void **unpark** (**decaf::lang::Thread** *thread) throw ()

  Makes available the permit for the given thread, if it was not already available.

- static void **park** () throw ()

  Disables the current thread for thread scheduling purposes unless the permit is available.

- static void **parkNanos** (long long nanos) throw ()

  Disables the current thread for thread scheduling purposes, for up to the specified waiting time, unless the permit is available.

- static void **parkUntil** (long long deadline) throw ()

  Disables the current thread for thread scheduling purposes, until the specified deadline, unless the permit is available.

6.487.1 Detailed Description

Basic thread blocking primitives for creating locks and other synchronization classes. This class associates, with each thread that uses it, a permit (in the sense of the **Semaphore** (p. 3434) class). A call to park will return immediately if the permit is available, consuming it in the process; otherwise it may block. A call to unpark makes the permit available, if it was not already available. (Unlike with Semaphores though, permits do not accumulate. There is at most one.)

Methods park and unpark provide efficient means of blocking and unblocking threads Races between one thread invoking park and another thread trying to unpark it will preserve liveness, due to the permit. Additionally, park will return if the caller's thread was interrupted, and timeout versions are supported. The park method may also return

at any other time, for "no reason", so in general must be invoked within a loop that rechecks conditions upon return. In this sense park serves as an optimization of a "busy wait" that does not waste as much time spinning, but must be paired with an unpark to be effective.

These methods are designed to be used as tools for creating higher-level synchronization utilities, and are not in themselves useful for most concurrency control applications. The park method is designed for use only in constructions of the form:

while (!canProceed()) { ... LockSupport.park(this); }

where neither canProceed nor any other actions prior to the call to park entail locking or blocking. Because only one permit is associated with each thread, any intermediary uses of park could interfere with its intended effects.

Sample Usage. Here is a sketch of a first-in-first-out non-reentrant lock class:

class FIFOMutex { private:

AtomicBoolean locked; ConcurrentLinkedQueue<Thread∗> waiters;

public:

void lock() {

bool wasInterrupted = false; Thread∗ current = Thread::currentThread(); waiters.add(current);

// Block while not first in queue or cannot acquire lock while(waiters.peek() != current || !locked.compareAndSet(false, true)) {

LockSupport.park(this); if(Thread::interrupted()) // ignore interrupts while waiting wasInterrupted = true; }

waiters.remove(); if(wasInterrupted) // reassert interrupt status on exit current.interrupt(); }

void unlock() { locked.set(false); **LockSupport.unpark** (p. 2461)(waiters.peek()); } };

Since

1.0

6.487.2 Constructor & Destructor Documentation

6.487.2.1 decaf::util::concurrent::locks::LockSupport::∼LockSupport ( )

6.487.3 Member Function Documentation

6.487.3.1 static void decaf::util::concurrent::locks::LockSupport::park ( ) throw () [static]

Disables the current thread for thread scheduling purposes unless the permit is available.

If the permit is available then it is consumed and the call returns immediately; otherwise the current thread becomes disabled for thread scheduling purposes and lies dormant until one of three things happens:

∗ Some other thread invokes unpark with the current thread as the target; or ∗ Some other thread interrupts the current thread; or ∗ The call spuriously (that is, for no reason) returns.

This method does not report which of these caused the method to return. Callers should re-check the conditions which caused the thread to park in the first place. Callers may also determine, for example, the interrupt status of the thread upon return.

6.487.3.2 static void decaf::util::concurrent::locks::LockSupport::parkNanos (long long *nanos*) throw () [static]

Disables the current thread for thread scheduling purposes, for up to the specified waiting time, unless the permit is available.

If the permit is available then it is consumed and the call returns immediately; otherwise the current thread becomes disabled for thread scheduling purposes and lies dormant until one of four things happens:

∗ Some other thread invokes unpark with the current thread as the target; or ∗ Some other thread interrupts the current thread; or ∗ The specified waiting time elapses; or ∗ The call spuriously (that is, for no reason) returns.

This method does not report which of these caused the method to return. Callers should re-check the conditions which caused the thread to park in the first place. Callers may also determine, for example, the interrupt status of the thread, or the elapsed time upon return.

Parameters

nanos	the maximum number of nanoseconds to wait

6.487.3.3 static void decaf::util::concurrent::locks::LockSupport::parkUntil (long long *deadline*) throw () [static]

Disables the current thread for thread scheduling purposes, until the specified deadline, unless the permit is available.

If the permit is available then it is consumed and the call returns immediately; otherwise the current thread becomes disabled for thread scheduling purposes and lies dormant until one of four things happens:

∗ Some other thread invokes unpark with the current thread as the target; or ∗ Some other thread interrupts the current thread; or ∗ The specified deadline passes; or ∗ The call spuriously (that is, for no reason) returns.

This method does not report which of these caused the method to return. Callers should re-check the conditions which caused the thread to park in the first place. Callers may also determine, for example, the interrupt status of the thread, or the current time upon

return.

Parameters

deadline	the absolute time, in milliseconds from the Epoch, to wait until

6.487.3.4 static void decaf::util::concurrent::locks::LockSupport::unpark (decaf::lang::Thread * *thread*) throw () [static]

Makes available the permit for the given thread, if it was not already available.

If the thread was blocked on park then it will unblock. Otherwise, its next call to park is guaranteed not to block. This operation is not guaranteed to have any effect at all if the given thread has not been started.

Parameters

thread	the thread to unport, or NULL in which case the method has no effect.

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/locks/**LockSupport.h**

6.488 decaf::util::logging::Logger Class Reference

A **Logger** (p. 2461) object is used to log messages for a specific system or application component.

`#include <src/main/decaf/util/logging/Logger.h>`

Public Member Functions

- virtual ~**Logger** ()
- const std::string & **getName** () const

  *Gets the name of this **Logger** (p. 2461).*

- **Logger** * **getParent** () const

  *Gets the parent of this **Logger** (p. 2461) which will be the nearest existing **Logger** (p. 2461) in this Loggers namespace.*

- void **setParent** (**Logger** *parent)

  ***Set** (p. 3538) the parent for this **Logger** (p. 2461).*

- void **addHandler** (**Handler** *handler) throw (lang::exceptions::NullPointerException)

  *Add a log **Handler** (p. 2042) to receive logging messages.*

- void **removeHandler** (**Handler** ∗handler)

  *Removes the specified **Handler** (p. 2042) from this logger, ownership of the **Handler** (p. 2042) pointer is returned to the caller.*

- const std::list< **Handler** ∗ > & **getHandlers** () const

  Gets a vector containing all the handlers that this class has been assigned to use.

- void **setFilter** (**Filter** ∗filter)

  ***Set** (p. 3538) a filter to control output on this **Logger** (p. 2461).*

- const **Filter** ∗ **getFilter** () const

  *Gets the **Filter** (p. 1949) object that this class is using.*

- **Level getLevel** () const

  *Get the log **Level** (p. 2403) that has been specified for this **Logger** (p. 2461).*

- void **setLevel** (const **Level** &level)

  ***Set** (p. 3538) the log level specifying which message levels will be logged by this logger.*

- bool **getUseParentHandlers** () const

  Discover whether or not this logger is sending its output to its parent logger.

- void **setUseParentHandlers** (bool value)

  *Specify whether or not this logger should send its output to it's parent **Logger** (p. 2461).*

- virtual void **entering** (const std::string &blockName, const std::string &file, const int line)

  Logs an Block Enter message.

- virtual void **exiting** (const std::string &blockName, const std::string &file, const int line)

  Logs an Block Exit message.

- virtual void **severe** (const std::string &file, const int line, const std::string functionName, const std::string &message)

  *Log a SEVERE **Level** (p. 2403) Log.*

- virtual void **warning** (const std::string &file, const int line, const std::string functionName, const std::string &message)

  *Log a WARN **Level** (p. 2403) Log.*

- virtual void **info** (const std::string &file, const int line, const std::string functionName, const std::string &message)

  *Log a INFO **Level** (p. 2403) Log.*

- virtual void **debug** (const std::string &file, const int line, const std::string functionName, const std::string &message)

  *Log a DEBUG **Level** (p. 2403) Log.*

- virtual void **config** (const std::string &file, const int line, const std::string functionName, const std::string &message)

  *Log a CONFIG **Level** (p. 2403) Log.*

- virtual void **fine** (const std::string &file, const int line, const std::string functionName, const std::string &message)

  *Log a FINE **Level** (p. 2403) Log.*

- virtual void **finer** (const std::string &file, const int line, const std::string functionName, const std::string &message)

  *Log a FINER **Level** (p. 2403) Log.*

- virtual void **finest** (const std::string &file, const int line, const std::string functionName, const std::string &message)

  *Log a FINEST **Level** (p. 2403) Log.*

- virtual void **throwing** (const std::string &file, const int line, const std::string functionName, const **decaf::lang::Throwable** &thrown)

  Log throwing an exception.

- virtual bool **isLoggable** (const **Level** &level) const

  Check if a message of the given level would actually be logged by this logger.

- virtual void **log** (**LogRecord** &record)

  *Log a **LogRecord** (p. 2487).*

- virtual void **log** (const **Level** &level, const std::string &message)

  Log a message, with no arguments.

- virtual void **log** (const **Level** &levels, const std::string &file, const int line, const std::string &message,...)

  Log a message, with the list of params that is formatted into the message string.

- virtual void **log** (const **Level** &level, const std::string &file, const int line, const std::string &message, **lang::Exception** &ex)

  Log a message, with associated Throwable information.

Static Public Member Functions

- static **Logger** ∗ **getAnonymousLogger** ()

  Creates an anonymous logger.

- static **Logger** ∗ **getLogger** (const std::string &name)

  Find or create a logger for a named subsystem.

Protected Member Functions

- **Logger** (const std::string &name)

  *Creates a new instance of the **Logger** (p. 2461) with the given name.*

6.488.1 Detailed Description

A **Logger** (p. 2461) object is used to log messages for a specific system or application component. Loggers are normally named, using a hierarchical dot-separated namespace. **Logger** (p. 2461) names can be arbitrary strings, but they should normally be based on the namespace or class name of the logged component, such as **decaf.net** (p. 145) or org.apache.decaf. In addition it is possible to create "anonymous" Loggers that are not stored in the **Logger** (p. 2461) namespace.

Logger (p. 2461) objects may be obtained by calls on one of the getLogger factory methods. These will either create a new **Logger** (p. 2461) or return a suitable existing **Logger** (p. 2461).

Logging messages will be forwarded to registered **Handler** (p. 2042) objects, which can forward the messages to a variety of destinations, including consoles, files, OS logs, etc.

Each **Logger** (p. 2461) keeps track of a "parent" **Logger** (p. 2461), which is its nearest existing ancestor in the **Logger** (p. 2461) namespace.

Each **Logger** (p. 2461) has a "Level" associated with it. This reflects a minimum **Level** (p. 2403) that this logger cares about. If a Logger's level is set to **Level::INHERIT** (p. 2408), then its effective level is inherited from its parent, which may in turn obtain it recursively from its parent, and so on up the tree.

The log level can be configured based on the properties from the logging configuration file, as described in the description of the **LogManager** (p. 2480) class. However it may also be dynamically changed by calls on the **Logger.setLevel** (p. 2472) method. If a logger's level is changed the change may also affect child loggers, since any child logger that has 'inherit' as its level will inherit its effective level from its parent.

On each logging call the **Logger** (p. 2461) initially performs a cheap check of the request level (e.g. SEVERE or FINE) against the effective log level of the logger. If the request level is lower than the log level, the logging call returns immediately.

After passing this initial (cheap) test, the **Logger** (p. 2461) will allocate a **LogRecord** (p. 2487) to describe the logging message. It will then call a **Filter** (p. 1949) (if present) to do a more detailed check on whether the record should be published. If that passes it will then publish the **LogRecord** (p. 2487) to its output Handlers. By default, loggers also publish to their parent's Handlers, recursively up the tree.

Formatting is the responsibility of the output **Handler** (p. 2042), which will typically call a **Formatter** (p. 2027).

Note that formatting need not occur synchronously. It may be delayed until a **LogRecord** (p. 2487) is actually written to an external sink.

All methods on **Logger** (p. 2461) are thread safe.

Since

1.0

6.488.2 Constructor & Destructor Documentation

6.488.2.1 decaf::util::logging::Logger::Logger (const std::string & *name*) [protected]

Creates a new instance of the **Logger** (p. 2461) with the given name.

The logger will be initially configured with a null **Level** (p. 2403) and with useParentHandlers true.

Parameters

name	A name for the logger. This should be a dot-separated name and should normally be based on the package name or class name of the subsystem, such as **decaf.net** (p. 145) or org.apache.decaf. It may be empty for anonymous Loggers.

6.488.2.2 virtual decaf::util::logging::Logger::~Logger ( ) [virtual]

6.488.3 Member Function Documentation

6.488.3.1 void decaf::util::logging::Logger::addHandler (Handler * *handler*) throw (lang::exceptions::NullPointerException)

Add a log **Handler** (p. 2042) to receive logging messages.

By default, Loggers also send their output to their parent logger. Typically the root **Logger** (p. 2461) is configured with a set of Handlers that essentially act as default handlers for all loggers.

The ownership of the given **Handler** (p. 2042) is passed to the **Logger** (p. 2461) and the **Handler** (p. 2042) will be deleted when this **Logger** (p. 2461) is destroyed unless the caller first calls removeHandler with the same pointer value as was originally given.

Parameters

handler	A Logging **Handler** (p. 2042)

Exceptions

NullPointerException	if the **Handler** (p. 2042) given is NULL.

6.488.3.2 virtual void decaf::util::logging::Logger::config (const std::string & *file*, const int *line*, const std::string *functionName*, const std::string & *message*) [virtual]

Log a CONFIG **Level** (p. 2403) Log.

If the logger is currently enabled for the CONFIG message level then the given message is forwarded to all the registered output **Handler** (p. 2042) objects.

Parameters

file	The file name where the log was generated.
line	The line number where the log was generated.
functionName	The name of the function that logged this.
message	The message to log at this **Level** (p. 2403).

6.488.3.3 virtual void decaf::util::logging::Logger::debug (const std::string & *file*, const int *line*, const std::string *functionName*, const std::string & *message*) [virtual]

Log a DEBUG **Level** (p. 2403) Log.

If the logger is currently enabled for the DEBUG message level then the given message is forwarded to all the registered output **Handler** (p. 2042) objects.

Parameters

file	The file name where the log was generated.
line	The line number where the log was generated.
functionName	The name of the function that logged this.
message	The message to log at this **Level** (p. 2403).

6.488.3.4 virtual void decaf::util::logging::Logger::entering (const std::string & *blockName*, const std::string & *file*, const int *line*) [virtual]

Logs an Block Enter message.

This is a convenience method that is used to tag a block enter, a log record with the given information is logged at the **Level::FINER** (p. 2408) log level.

Parameters

blockName	The source block name, (usually ClassName::MethodName, or MethodName).

file	The source file name where this method was called from.
line	The source line number where this method was called from.

6.488.3.5 virtual void decaf::util::logging::Logger::exiting (const std::string & *blockName,* const std::string & *file,* const int *line*) [virtual]

Logs an Block Exit message.

This is a convenience method that is used to tag a block enter, a log record with the given information is logged at the **Level::FINER** (p. 2408) log level.

Parameters

blockName	The source block name, (usually ClassName::MethodName, or MethodName).
file	The source file name where this method was called from.
line	The source line number where this method was called from.

6.488.3.6 virtual void decaf::util::logging::Logger::fine (const std::string & *file,* const int *line,* const std::string *functionName,* const std::string & *message*) [virtual]

Log a FINE **Level** (p. 2403) Log.

If the logger is currently enabled for the FINE message level then the given message is forwarded to all the registered output **Handler** (p. 2042) objects.

Parameters

file	The file name where the log was generated.
line	The line number where the log was generated.
functionName	The name of the function that logged this.
message	The message to log at this **Level** (p. 2403).

6.488.3.7 virtual void decaf::util::logging::Logger::finer (const std::string & *file,* const int *line,* const std::string *functionName,* const std::string & *message*) [virtual]

Log a FINER **Level** (p. 2403) Log.

If the logger is currently enabled for the FINER message level then the given message is forwarded to all the registered output **Handler** (p. 2042) objects.

Parameters

file	The file name where the log was generated.
line	The line number where the log was generated.

function-Name	The name of the function that logged this.
message	The message to log at this **Level** (p. 2403).

6.488.3.8 virtual void decaf::util::logging::Logger::finest (const std::string & *file*, const int *line*, const std::string *functionName*, const std::string & *message*) [virtual]

Log a FINEST **Level** (p. 2403) Log.

If the logger is currently enabled for the FINEST message level then the given message is forwarded to all the registered output **Handler** (p. 2042) objects.

Parameters

file	The file name where the log was generated.
line	The line number where the log was generated.
function-Name	The name of the function that logged this.
message	The message to log at this **Level** (p. 2403).

6.488.3.9 static Logger* decaf::util::logging::Logger::getAnonymousLogger ( ) [static]

Creates an anonymous logger.

The newly created **Logger** (p. 2461) is not registered in the **LogManager** (p. 2480) namespace. There will be no access checks on updates to the logger. Even although the new logger is anonymous, it is configured to have the root logger ("") as its parent. This means that by default it inherits its effective level and handlers from the root logger.

The caller is responsible for destroying the returned logger.

Returns

Newly created anonymous logger

6.488.3.10 const Filter* decaf::util::logging::Logger::getFilter ( ) const [inline]

Gets the **Filter** (p. 1949) object that this class is using.

Returns

the **Filter** (p. 1949) in use, (can be NULL).

6.488.3.11 const std::list<Handler*>& decaf::util::logging::Logger::getHandlers ( ) const

Gets a vector containing all the handlers that this class has been assigned to use.

Returns

a list of handlers that are used by this logger

6.488.3.12 Level decaf::util::logging::Logger::getLevel ( ) const [inline]

Get the log **Level** (p. 2403) that has been specified for this **Logger** (p. 2461).

The result may be the INHERIT level, which means that this logger's effective level will be inherited from its parent.

Returns

the level that is currently set

6.488.3.13 static Logger* decaf::util::logging::Logger::getLogger (const std::string & *name*) [static]

Find or create a logger for a named subsystem.

If a logger has already been created with the given name it is returned. Otherwise a new logger is created.

If a new logger is created its log level will be configured based on the **LogManager** (p. 2480) and it will configured to also send logging output to its parent loggers Handlers. It will be registered in the **LogManager** (p. 2480) global namespace.

Parameters

name	- A name for the logger. This should be a dot-separated name and should normally be based on the package name or class name of the subsystem, such as cms or **activemq.core.ActiveMQConnection** (p. 260)

Returns

a suitable logger.

6.488.3.14 const std::string& decaf::util::logging::Logger::getName ( ) const [inline]

Gets the name of this **Logger** (p. 2461).

Returns

logger name

6.488.3.15 Logger* decaf::util::logging::Logger::getParent ( ) const [inline]

Gets the parent of this **Logger** (p. 2461) which will be the nearest existing **Logger** (p. 2461) in this Loggers namespace.

If this is the Root **Logger** (p. 2461) than this method returns NULL.

Returns

Pointer to this Loggers nearest parent **Logger** (p. 2461).

6.488.3.16 bool decaf::util::logging::Logger::getUseParentHandlers ( ) const [inline]

Discover whether or not this logger is sending its output to its parent logger.

Returns

true if using Parent Handlers

6.488.3.17 virtual void decaf::util::logging::Logger::info (const std::string & *file*, const int *line*, const std::string *functionName*, const std::string & *message*) [virtual]

Log a INFO **Level** (p. 2403) Log.

If the logger is currently enabled for the INFO message level then the given message is forwarded to all the registered output **Handler** (p. 2042) objects.

Parameters

file	The file name where the log was generated.
line	The line number where the log was generated.
functionName	The name of the function that logged this.
message	The message to log at this **Level** (p. 2403).

6.488.3.18 virtual bool decaf::util::logging::Logger::isLoggable (const Level & *level*) const [virtual]

Check if a message of the given level would actually be logged by this logger.

This check is based on the Loggers effective level, which may be inherited from its parent.

Parameters

level	- a message logging level

Returns

true if the given message level is currently being logged.

6.488.3.19 virtual void decaf::util::logging::Logger::log (const Level & *levels,* const std::string & *file,* const int *line,* const std::string & *message,* ...) [virtual]

Log a message, with the list of params that is formatted into the message string.

If the logger is currently enabled for the given message level then the given message is forwarded to all the registered output **Handler** (p. 2042) objects

Parameters

level	the **Level** (p. 2403) to log at
file	the message to log
line	the line in the file
...	variable length argument to format the message string.

6.488.3.20 virtual void decaf::util::logging::Logger::log (LogRecord & *record*) [virtual]

Log a **LogRecord** (p. 2487).

All the other logging methods in this class call through this method to actually perform any logging. Subclasses can override this single method to capture all log activity.

Parameters

record	- the **LogRecord** (p. 2487) to be published

6.488.3.21 virtual void decaf::util::logging::Logger::log (const Level & *level,* const std::string & *message*) [virtual]

Log a message, with no arguments.

If the logger is currently enabled for the given message level then the given message is forwarded to all the registered output **Handler** (p. 2042) objects

Parameters

level	the **Level** (p. 2403) to log at
message	the message to log

6.488.3.22 virtual void decaf::util::logging::Logger::log (const Level & *level,* const std::string & *file,* const int *line,* const std::string & *message,* lang::Exception & *ex*) [virtual]

Log a message, with associated Throwable information.

If the logger is currently enabled for the given message level then the given arguments are stored in a **LogRecord** (p. 2487) which is forwarded to all registered output handlers. Note that the thrown argument is stored in the **LogRecord** (p. 2487) thrown property, rather than the **LogRecord** (p. 2487) parameters property. Thus is it processed specially by output Formatters and is not treated as a formatting parameter to the **LogRecord** (p. 2487) message property.

Parameters

level	the **Level** (p. 2403) to log at.
file	File that the message was logged in.
line	the line number where the message was logged at.
message	the message to log.
ex	the Exception to log

6.488.3.23 void decaf::util::logging::Logger::removeHandler (Handler * *handler*)

Removes the specified **Handler** (p. 2042) from this logger, ownership of the **Handler** (p. 2042) pointer is returned to the caller.

Returns silently if the given **Handler** (p. 2042) is not found.

Parameters

handler	The **Handler** (p. 2042) to remove

6.488.3.24 void decaf::util::logging::Logger::setFilter (Filter * *filter*)

Set (p. 3538) a filter to control output on this **Logger** (p. 2461).

After passing the initial "level" check, the **Logger** (p. 2461) will call this **Filter** (p. 1949) to check if a log record should really be published.

The caller releases ownership of this filter to this logger

Parameters

filter	The **Filter** (p. 1949) to use, (can be NULL).

6.488.3.25 void decaf::util::logging::Logger::setLevel (const Level & *level*) [inline]

Set (p. 3538) the log level specifying which message levels will be logged by this logger.

Message levels lower than this value will be discarded. The level value **Level::OFF** (p. 2408) can be used to turn off logging.

If the new level is the INHERIT **Level** (p. 2403), it means that this node should inherit its level from its nearest ancestor with a specific (non-INHERIT) level value.

Parameters

level	The new **Level** (p. 2403) value to use when logging.

6.488.3.26 void decaf::util::logging::Logger::setParent (Logger * *parent*) [inline]

Set (p. 3538) the parent for this **Logger** (p. 2461).

This method is used by the **LogManager** (p. 2480) to update a **Logger** (p. 2461) when the namespace changes.

It should not be called from application code.

6.488.3.27 void decaf::util::logging::Logger::setUseParentHandlers (bool *value*) [inline]

Specify whether or not this logger should send its output to it's parent **Logger** (p. 2461).

This means that any LogRecords will also be written to the parent's Handlers, and potentially to its parent, recursively up the namespace.

Parameters

value	True is output is to be written to the parent

6.488.3.28 virtual void decaf::util::logging::Logger::severe (const std::string & *file*, const int *line*, const std::string *functionName*, const std::string & *message*) [virtual]

Log a SEVERE **Level** (p. 2403) Log.

If the logger is currently enabled for the SEVERE message level then the given message is forwarded to all the registered output **Handler** (p. 2042) objects.

Parameters

file	The file name where the log was generated.
line	The line number where the log was generated.
function-Name	The name of the function that logged this.
message	The message to log at this **Level** (p. 2403).

6.488.3.29 virtual void decaf::util::logging::Logger::throwing (const std::string & *file*, const int *line*, const std::string *functionName*, const **decaf::lang::Throwable** & *thrown*) [virtual]

Log throwing an exception.

This is a convenience method to log that a method is terminating by throwing an exception. The logging is done using the FINER level.

If the logger is currently enabled for the given message level then the given arguments are stored in a **LogRecord** (p. 2487) which is forwarded to all registered output handlers. The LogRecord's message is set to "THROW".

Parameters

file	The file name where the log was generated.
line	The line number where the log was generated.
functionName	The name of the function that logged this.
thrown	The Throwable that will be thrown, will be cloned.

6.488.3.30 virtual void decaf::util::logging::Logger::warning (const std::string & *file*, const int *line*, const std::string *functionName*, const std::string & *message*) [virtual]

Log a WARN **Level** (p. 2403) Log.

If the logger is currently enabled for the WARN message level then the given message is forwarded to all the registered output **Handler** (p. 2042) objects.

Parameters

file	The file name where the log was generated.
line	The line number where the log was generated.
functionName	The name of the function that logged this.
message	The message to log at this **Level** (p. 2403).

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**Logger.h**

6.489 decaf::util::logging::LoggerHierarchy Class Reference

```
#include <src/main/decaf/util/logging/LoggerHierarchy.h>
```

Public Member Functions

- **LoggerHierarchy** ()

- virtual ~**LoggerHierarchy** ()

6.489.1 Constructor & Destructor Documentation

6.489.1.1 decaf::util::logging::LoggerHierarchy::LoggerHierarchy ( )

6.489.1.2 virtual decaf::util::logging::LoggerHierarchy::~LoggerHierarchy ( ) [virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**LoggerHierarchy.h**

6.490 activemq::io::LoggingInputStream Class Reference

`#include <src/main/activemq/io/LoggingInputStream.h>`

Inheritance diagram for activemq::io::LoggingInputStream:

Public Member Functions

- **LoggingInputStream** (**decaf::io::InputStream** ∗**inputStream**, bool **own**=false)

  Creates a DataInputStream that uses the specified underlying InputStream.

- virtual ~**LoggingInputStream** ()

Protected Member Functions

- virtual int **doReadByte** () throw (decaf::io::IOException)
- virtual int **doReadArrayBounded** (unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

6.490.1 Constructor & Destructor Documentation

6.490.1.1 activemq::io::LoggingInputStream::LoggingInputStream (decaf::io::InputStream ∗ *inputStream*, bool *own* = `false`)

Creates a DataInputStream that uses the specified underlying InputStream.

Parameters

inputStream	the InputStream instance to wrap.
own	indicates if this class owns the wrapped string defaults to false.

6.490.1.2 virtual activemq::io::LoggingInputStream::~LoggingInputStream ( ) [virtual]

6.490.2 Member Function Documentation

6.490.2.1 virtual int activemq::io::LoggingInputStream::doReadArrayBounded (unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::IndexOutOfBoundsException**, **decaf::lang::exceptions::NullPointerException**) [protected, virtual]

Reimplemented from **decaf::io::FilterInputStream** (p. 1954).

6.490.2.2 virtual int activemq::io::LoggingInputStream::doReadByte ( ) throw (**decaf::io::IOException**) [protected, virtual]

Reimplemented from **decaf::io::FilterInputStream** (p. 1954).

The documentation for this class was generated from the following file:

- src/main/activemq/io/**LoggingInputStream.h**

6.491 activemq::io::LoggingOutputStream Class Reference

OutputStream filter that just logs the data being written.

`#include <src/main/activemq/io/LoggingOutputStream.h>`

Inheritance diagram for activemq::io::LoggingOutputStream:

Public Member Functions

- **LoggingOutputStream** (OutputStream *next, bool **own**=false)

  Constructor.

- virtual ~**LoggingOutputStream** ()

Protected Member Functions

- virtual void **doWriteByte** (unsigned char c) throw (decaf::io::IOException)
- virtual void **doWriteArrayBounded** (const unsigned char *buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

6.491.1 Detailed Description

OutputStream filter that just logs the data being written.

6.491.2 Constructor & Destructor Documentation

6.491.2.1 activemq::io::LoggingOutputStream::LoggingOutputStream (OutputStream * *next*, bool *own* = `false`)

Constructor.

Parameters

next	The OutputStream to wrap an write logs to.
own	If true, this object will control the lifetime of the output stream that it encapsulates.

6.491.2.2 virtual activemq::io::LoggingOutputStream::~LoggingOutputStream ( ) `[virtual]`

6.491.3 Member Function Documentation

6.491.3.1 virtual void activemq::io::LoggingOutputStream::doWriteArrayBounded (const unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) `[protected, virtual]`

Reimplemented from **decaf::io::FilterOutputStream** (p. 1960).

6.491.3.2 virtual void activemq::io::LoggingOutputStream::doWriteByte (unsigned char *c*) throw (**decaf::io::IOException**) `[protected, virtual]`

Reimplemented from **decaf::io::FilterOutputStream** (p. 1960).

The documentation for this class was generated from the following file:

- src/main/activemq/io/**LoggingOutputStream.h**

6.492 activemq::transport::logging::LoggingTransport Class Reference

A transport filter that logs commands as they are sent/received.

```
#include <src/main/activemq/transport/logging/LoggingTransport.h>
```

Inheritance diagram for activemq::transport::logging::LoggingTransport:

Public Member Functions

- **LoggingTransport** (const **Pointer**< **Transport** > &**next**)

  Constructor.

- virtual ~**LoggingTransport** ()
- virtual void **onCommand** (const **Pointer**< **Command** > &command)

  Event handler for the receipt of a command.

- virtual void **oneway** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends a one-way command.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Not supported by this class - throws an exception.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command, unsigned int timeout) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperatio)

  Not supported by this class - throws an exception.

6.492.1 Detailed Description

A transport filter that logs commands as they are sent/received.

6.492.2 Constructor & Destructor Documentation

6.492.2.1 activemq::transport::logging::LoggingTransport::LoggingTransport (const Pointer< Transport > & *next*)

Constructor.

Parameters

next	- the next **Transport** (p. 3996) in the chain

6.492.2.2 virtual activemq::transport::logging::LoggingTransport::~LoggingTransport ( ) [inline, virtual]

6.492.3 Member Function Documentation

6.492.3.1 virtual void activemq::transport::logging::LoggingTransport::onCommand (const Pointer< Command > & *command*) [virtual]

Event handler for the receipt of a command.

Parameters

command	- the received command object.

Reimplemented from **activemq::transport::TransportFilter** (p. 4009).

6.492.3.2 virtual void activemq::transport::logging::LoggingTransport::oneway (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends a one-way command.

Does not wait for any response from the broker.

Parameters

command	the command to be sent.

Exceptions

IOException	if an exception occurs during writing of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Reimplemented from **activemq::transport::TransportFilter** (p. 4010).

6.492.3.3 virtual Pointer<Response> activemq::transport::logging::LoggingTransport::request (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Not supported by this class - throws an exception.

Parameters

command	the command that is sent as a request

Exceptions

UnsupportedOperationException.	

Reimplemented from **activemq::transport::TransportFilter** (p. 4011).

6.492.3.4 virtual Pointer<Response> activemq::transport::logging::LoggingTransport::request (const Pointer< Command > & *command*, unsigned int *timeout*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Not supported by this class - throws an exception.

Parameters

command	the command that is sent as a request
timeout	the time to wait for a response.

Exceptions

UnsupportedOperationException.	

Reimplemented from **activemq::transport::TransportFilter** (p. 4011).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/logging/**LoggingTransport.h**

6.493 decaf::util::logging::LogManager Class Reference

There is a single global **LogManager** (p. 2480) object that is used to maintain a set of shared state about Loggers and log services.

```
#include <src/main/decaf/util/logging/LogManager.h>
```

Public Member Functions

- virtual ~**LogManager** ()
- bool **addLogger** (**Logger** *logger) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

  Add a named logger.

- **Logger** * **getLogger** (const std::string &name)

*Retrieves or creates a new **Logger** (p. 2461) using the name specified a new logger inherits the configuration of the logger's parent if there is no configuration data for the logger.*

- int **getLoggerNames** (const std::vector< std::string > &names)

  *Gets a list of known **Logger** (p. 2461) Names from this Manager, new loggers added while this method is in progress are not garunteed to be in the list.*

- void **setProperties** (const **util::Properties** &properties)

  *Sets the **Properties** (p. 3216) this **LogManager** (p. 2480) should use to configure its loggers.*

- const **util::Properties** & **getProperties** () const

  *Gets a reference to the Logging **Properties** (p. 3216) used by this logger.*

- std::string **getProperty** (const std::string &name)

  *Gets the value of a named property of this **LogManager** (p. 2480).*

- void **addPropertyChangeListener** (PropertyChangeListener *listener)

  *Adds a change listener for **LogManager** (p. 2480) **Properties** (p. 3216), adding the same instance of a change event listener does nothing.*

- void **removePropertyChangeListener** (PropertyChangeListener *listener)

  *Removes a properties change listener from the **LogManager** (p. 2480), if the listener is not found of the param is NULL this method returns silently.*

- void **readConfiguration** () throw (decaf::io::IOException)

  Reinitialize the logging properties and reread the logging configuration.

- void **readConfiguration** (**decaf::io::InputStream** *stream) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException)

  *Reinitialize the logging properties and reread the logging configuration from the given stream, which should be in **decaf.util.Properties** (p. 3216) format.*

- void **reset** ()

  Reset the logging configuration.

Static Public Member Functions

- static **LogManager** & **getLogManager** ()

  *Get the global **LogManager** (p. 2480) instance.*

Protected Member Functions

- **LogManager** ()

  Constructor, hidden to protect against direct instantiation.

- **LogManager** (const **LogManager** &manager)

  Copy Constructor.

- void **operator=** (const **LogManager** &manager)

  Assignment operator.

Friends

- class **decaf::lang::Runtime**

6.493.1 Detailed Description

There is a single global **LogManager** (p. 2480) object that is used to maintain a set of shared state about Loggers and log services. This **LogManager** (p. 2480) object:

∗ Manages a hierarchical namespace of **Logger** (p. 2461) objects. All named Loggers are stored in this namespace. ∗ Manages a set of logging control properties. These are simple key-value pairs that can be used by Handlers and other logging objects to configure themselves.

The global **LogManager** (p. 2480) object can be retrieved using **LogManager::getLogManager()** (p. 2485). The **LogManager** (p. 2480) object is created during class initialization and cannot subsequently be changed.

∗∗∗TODO∗∗∗∗ By default, the **LogManager** (p. 2480) reads its initial configuration from a properties file "lib/logging.properties" in the JRE directory. If you edit that property file you can change the default logging configuration for all uses of that JRE.

In addition, the **LogManager** (p. 2480) uses two optional system properties that allow more control over reading the initial configuration:

∗ "decaf.logger.config.class" ∗ "decaf.logger.config.file"

These two properties may be set via the Preferences API, or as command line property definitions to the "java" command, or as system property definitions passed to JNI_-CreateJavaVM.

If the "java.util.logging.config.class" property is set, then the property value is treated as a class name. The given class will be loaded, an object will be instantiated, and that object's constructor is responsible for reading in the initial configuration. (That object may use other system properties to control its configuration.) The alternate configuration class can use readConfiguration(InputStream) to define properties in the **LogManager** (p. 2480).

If "decaf.util.logging.config.class" property is not set, then the "decaf.util.logging.config.file" system property can be used to specify a properties file (in **decaf.util.Properties** (p. 3216)

format). The initial logging configuration will be read from this file.

If neither of these properties is defined then, as described above, the **LogManager** (p. 2480) will read its initial configuration from a properties file "lib/logging.properties" in the working directory.

The properties for loggers and Handlers will have names starting with the dot-separated name for the handler or logger. ∗∗∗TODO∗∗∗∗

The global logging properties may include:

∗ A property "handlers". This defines a whitespace separated list of class names for handler classes to load and register as handlers on the root **Logger** (p. 2461) (the **Logger** (p. 2461) named ""). Each class name must be for a **Handler** (p. 2042) class which has a default constructor. Note that these Handlers may be created lazily, when they are first used. ∗ A property "<logger>.handlers". This defines a whitespace or comma separated list of class names for handlers classes to load and register as handlers to the specified logger. Each class name must be for a **Handler** (p. 2042) class which has a default constructor. Note that these Handlers may be created lazily, when they are first used. ∗ A property "<logger>.useParentHandlers". This defines a boolean value. By default every logger calls its parent in addition to handling the logging message itself, this often result in messages being handled by the root logger as well. When setting this property to false a **Handler** (p. 2042) needs to be configured for this logger otherwise no logging messages are delivered. ∗ A property "config". This property is intended to allow arbitrary configuration code to be run. The property defines a whitespace separated list of class names. A new instance will be created for each named class. The default constructor of each class may execute arbitrary code to update the logging configuration, such as setting logger levels, adding handlers, adding filters, etc.

Loggers are organized into a naming hierarchy based on their dot separated names. Thus "a.b.c" is a child of "a.b", but "a.b1" and a.b2" are peers.

All properties whose names end with ".level" are assumed to define log levels for Loggers. Thus "foo.level" defines a log level for the logger called "foo" and (recursively) for any of its children in the naming hierarchy. Log Levels are applied in the order they are defined in the properties file. Thus level settings for child nodes in the tree should come after settings for their parents. The property name ".level" can be used to set the level for the root of the tree.

All methods on the **LogManager** (p. 2480) object are multi-thread safe.

Since

1.0

6.493.2 Constructor & Destructor Documentation

6.493.2.1 virtual decaf::util::logging::LogManager::∼LogManager ( ) [virtual]

6.493.2.2 decaf::util::logging::LogManager::LogManager ( ) [protected]

Constructor, hidden to protect against direct instantiation.

6.493.2.3 decaf::util::logging::LogManager::LogManager (const LogManager & *manager*) [protected]

Copy Constructor.

Parameters

manager	the Manager to copy

6.493.3 Member Function Documentation

6.493.3.1 bool decaf::util::logging::LogManager::addLogger (Logger * *logger*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

Add a named logger.

This does nothing and returns false if a logger with the same name is already registered.

The **Logger** (p. 2461) factory methods call this method to register each newly created **Logger** (p. 2461).

Parameters

logger	The new **Logger** (p. 2461) instance to add to this **LogManager** (p. 2480).

Exceptions

NullPointerException	if logger is NULL.
IllegalArgumentException	if the logger has no name.

6.493.3.2 void decaf::util::logging::LogManager::addPropertyChangeListener (PropertyChangeListener * *listener*)

Adds a change listener for **LogManager** (p. 2480) **Properties** (p. 3216), adding the same instance of a change event listener does nothing.

Parameters

listener	The PropertyChangeListener to add (can be NULL).

6.493.3.3 Logger* decaf::util::logging::LogManager::getLogger (const std::string & *name*)

Retrieves or creates a new **Logger** (p. 2461) using the name specified a new logger inherits the configuration of the logger's parent if there is no configuration data for the logger.

Parameters

name	The name of the **Logger** (p. 2461).

6.493.3.4 int decaf::util::logging::LogManager::getLoggerNames (const std::vector< std::string > & *names*)

Gets a list of known **Logger** (p. 2461) Names from this Manager, new loggers added while this method is in progress are not garunteed to be in the list.

Parameters

names	STL Vector to hold string logger names.

Returns

names count of how many loggers were inserted.

6.493.3.5 static LogManager& decaf::util::logging::LogManager::getLogManager ( ) [static]

Get the global **LogManager** (p. 2480) instance.

Returns

A reference to the global **LogManager** (p. 2480) instance.

6.493.3.6 const util::Properties& decaf::util::logging::LogManager::getProperties ( ) const [inline]

Gets a reference to the Logging **Properties** (p. 3216) used by this logger.

Returns

The **Logger** (p. 2461) **Properties** (p. 3216) Pointer

6.493.3.7 std::string decaf::util::logging::LogManager::getProperty (const std::string & *name*)

Gets the value of a named property of this **LogManager** (p. 2480).

Parameters

name	The name of the Property to retrieve.

Returns

the value of the property

6.493.3.8 void decaf::util::logging::LogManager::operator= (const LogManager & *manager*) [protected]

Assignment operator.

Parameters

manager	the manager to assign from

6.493.3.9 void decaf::util::logging::LogManager::readConfiguration ( ) throw (decaf::io::IOException)

Reinitialize the logging properties and reread the logging configuration.

The same rules are used for locating the configuration properties as are used at startup. So normally the logging properties will be re-read from the same file that was used at startup.

Any log level definitions in the new configuration file will be applied using **Logger.setLevel()** (p. 2472), if the target **Logger** (p. 2461) exists.

A PropertyChangeEvent will be fired after the properties are read.

Exceptions

IOException	if an I/O error occurs.

6.493.3.10 void decaf::util::logging::LogManager::readConfiguration (decaf::io::InputStream * *stream*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException)

Reinitialize the logging properties and reread the logging configuration from the given stream, which should be in **decaf.util.Properties** (p. 3216) format.

A PropertyChangeEvent will be fired after the properties are read.

Any log level definitions in the new configuration file will be applied using **Logger.setLevel()** (p. 2472), if the target **Logger** (p. 2461) exists.

Parameters

stream	The InputStream to read the **Properties** (p. 3216) from.

Exceptions

NullPointerException	if stream is NULL.
IOException	if an I/O error occurs.

6.493.3.11 void decaf::util::logging::LogManager::removePropertyChangeListener (PropertyChangeListener * *listener*)

Removes a properties change listener from the **LogManager** (p. 2480), if the listener is not found of the param is NULL this method returns silently.

Parameters

listener	The PropertyChangeListener to remove from the listeners set.

6.493.3.12 void decaf::util::logging::LogManager::reset ( )

Reset the logging configuration.

For all named loggers, the reset operation removes and closes all Handlers and (except for the root logger) sets the level to INHERIT. The root logger's level is set to **Level::INFO** (p. 2408).

6.493.3.13 void decaf::util::logging::LogManager::setProperties (const util::Properties & *properties*)

Sets the **Properties** (p. 3216) this **LogManager** (p. 2480) should use to configure its loggers.

Once set a properties change event is fired.

Parameters

properties	Pointer to read the configuration from

6.493.4 Friends And Related Function Documentation

6.493.4.1 friend class decaf::lang::Runtime [friend]

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**LogManager.h**

6.494 decaf::util::logging::LogRecord Class Reference

LogRecord (p. 2487) objects are used to pass logging requests between the logging framework and individual log Handlers.

```
#include <src/main/decaf/util/logging/LogRecord.h>
```

Public Member Functions

- **LogRecord** ()
- virtual ~**LogRecord** ()
- **Level getLevel** () const

  *Get **Level** (p. 2403) of this log record.*

- void **setLevel** (**Level** value)

  ***Set** (p. 3538) the **Level** (p. 2403) of this Log Record.*

- const std::string & **getLoggerName** () const

  Gets the Source Logger's Name.

- void **setLoggerName** (const std::string &loggerName)

  Sets the Source Logger's Name.

- const std::string & **getSourceFile** () const

  Gets the Source Log File name.

- void **setSourceFile** (const std::string &sourceFile)

  Sets the Source Log File Name.

- unsigned int **getSourceLine** () const

  Gets the Source Log line number.

- void **setSourceLine** (unsigned int sourceLine)

  Sets the Source Log line number.

- const std::string & **getMessage** () const

  Gets the Message to be Logged.

- void **setMessage** (const std::string &message)

  Sets the Message to be Logged.

- const std::string & **getSourceFunction** () const

  Gets the name of the function where this log was logged.

- void **setSourceFunction** (const std::string &functionName)

  Sets the name of the function where this log was logged.

- long long **getTimestamp** () const

  Gets the time in mills that this message was logged.

- void **setTimestamp** (long long timeStamp)

  Sets the time in mills that this message was logged.

- long long **getTreadId** () const

  Gets the Thread Id where this Log was created.

- void **setTreadId** (long long threadId)

  Sets the Thread Id where this Log was created.

- **decaf::lang::Throwable** ∗ **getThrown** () const

  *Gets any Throwable associated with this **LogRecord** (p. 2487).*

- void **setThrown** (**decaf::lang::Throwable** ∗thrown)

  *Sets the Throwable associated with this **LogRecord** (p. 2487), the pointer becomes the property of this instance of the **LogRecord** (p. 2487) and will be deleted when the record is destroyed.*

6.494.1 Detailed Description

LogRecord (p. 2487) objects are used to pass logging requests between the logging framework and individual log Handlers. When a **LogRecord** (p. 2487) is passed into the logging framework it logically belongs to the framework and should no longer be used or updated by the client application.

Since

1.0

6.494.2 Constructor & Destructor Documentation

6.494.2.1 decaf::util::logging::LogRecord::LogRecord ( )

6.494.2.2 virtual decaf::util::logging::LogRecord::∼LogRecord ( ) [virtual]

6.494.3 Member Function Documentation

6.494.3.1 Level decaf::util::logging::LogRecord::getLevel ( ) const [inline]

Get **Level** (p. 2403) of this log record.

Returns

Level (p. 2403) enumeration value.

6.494.3.2 const std::string& decaf::util::logging::LogRecord::getLoggerName ( ) const [inline]

Gets the Source Logger's Name.

Returns

the source loggers name

6.494.3.3 const std::string& decaf::util::logging::LogRecord::getMessage ( ) const [inline]

Gets the Message to be Logged.

Returns

the source logger's message

6.494.3.4 const std::string& decaf::util::logging::LogRecord::getSourceFile ( ) const [inline]

Gets the Source Log File name.

Returns

the source loggers name

6.494.3.5 const std::string& decaf::util::logging::LogRecord::getSourceFunction ( ) const [inline]

Gets the name of the function where this log was logged.

Returns

the source logger's message

6.494.3.6 unsigned int decaf::util::logging::LogRecord::getSourceLine ( ) const [inline]

Gets the Source Log line number.

Returns

the source loggers line number

6.494.3.7 decaf::lang::Throwable* decaf::util::logging::LogRecord::getThrown ( ) const [inline]

Gets any Throwable associated with this **LogRecord** (p. 2487).

Returns

point to a Throwable instance or Null.

6.494.3.8 long long decaf::util::logging::LogRecord::getTimestamp ( ) const [inline]

Gets the time in mills that this message was logged.

Returns

UTC time in milliseconds

6.494.3.9 long long decaf::util::logging::LogRecord::getTreadId ( ) const [inline]

Gets the Thread Id where this Log was created.

Returns

the source loggers line number

6.494.3.10 void decaf::util::logging::LogRecord::setLevel (Level *value*) [inline]

Set (p. 3538) the **Level** (p. 2403) of this Log Record.

Parameters

value	**Level** (p. 2403) Enumeration Value

6.494.3.11 void decaf::util::logging::LogRecord::setLoggerName (const std::string & *loggerName*) [inline]

Sets the Source Logger's Name.

Parameters

loggerName	the source loggers name

6.494.3.12 void decaf::util::logging::LogRecord::setMessage (const std::string & *message*) [inline]

Sets the Message to be Logged.

Parameters

message	the source loggers message

6.494.3.13 void decaf::util::logging::LogRecord::setSourceFile (const std::string & *sourceFile*) [inline]

Sets the Source Log File Name.

Parameters

sourceFile	the source loggers name

6.494.3.14 void decaf::util::logging::LogRecord::setSourceFunction (const std::string & *functionName*) [inline]

Sets the name of the function where this log was logged.

Parameters

function-Name	the source of the log

6.494.3.15 void decaf::util::logging::LogRecord::setSourceLine (unsigned int *sourceLine*) [inline]

Sets the Source Log line number.

Parameters

sourceLine	the source logger's line number

6.494.3.16 void decaf::util::logging::LogRecord::setThrown (**decaf::lang::Throwable** * *thrown*) [inline]

Sets the Throwable associated with this **LogRecord** (p. 2487), the pointer becomes the property of this instance of the **LogRecord** (p. 2487) and will be deleted when the record is destroyed.

Parameters

thrown	A pointer to a Throwable that will be associated with this record.

6.494.3.17 void decaf::util::logging::LogRecord::setTimestamp (long long *timeStamp*) [inline]

Sets the time in mills that this message was logged.

Parameters

timeStamp	UTC Time in Milliseconds.

6.494.3.18 void decaf::util::logging::LogRecord::setTreadId (long long *threadId*) [inline]

Sets the Thread Id where this Log was created.

Parameters

threadId	the source logger's line number

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**LogRecord.h**

6.495 decaf::util::logging::LogWriter Class Reference

```
#include <src/main/decaf/util/logging/LogWriter.h>
```

Public Member Functions

- **LogWriter** ()
- virtual ~**LogWriter** ()
- virtual void **log** (const std::string &file, const int line, const std::string &prefix, const std::string &message)

  Writes a message to the output destination.

- virtual void **log** (const std::string &message)

  Writes a message to the output destination.

Static Public Member Functions

- static **LogWriter** & **getInstance** ()

  Get the singleton instance.

- static void **returnInstance** ()

  Returns a Checked out instance of this Writer.

- static void **destroy** ()

  *Forcefully Delete the Instance of this **LogWriter*** (p. 2493) *even if there are outstanding references.*

6.495.1 Constructor & Destructor Documentation

6.495.1.1 decaf::util::logging::LogWriter::LogWriter ( )

6.495.1.2 virtual decaf::util::logging::LogWriter::~LogWriter ( ) [virtual]

6.495.2 Member Function Documentation

6.495.2.1 static void decaf::util::logging::LogWriter::destroy ( ) [static]

Forcefully Delete the Instance of this **LogWriter** (p. 2493) even if there are outstanding references.

6.495.2.2 static LogWriter& decaf::util::logging::LogWriter::getInstance ( ) [static]

Get the singleton instance.

6.495.2.3 virtual void decaf::util::logging::LogWriter::log (const std::string & *message*) [virtual]

Writes a message to the output destination.

Parameters

message	

6.495.2.4 virtual void decaf::util::logging::LogWriter::log (const std::string & *file*, const int *line*, const std::string & *prefix*, const std::string & *message*) [virtual]

Writes a message to the output destination.

Parameters

file	
line	
prefix	
message	

6.495.2.5 static void decaf::util::logging::LogWriter::returnInstance ( ) [static]

Returns a Checked out instance of this Writer.

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**LogWriter.h**

6.496 decaf::lang::Long Class Reference

`#include <src/main/decaf/lang/Long.h>`

Inheritance diagram for decaf::lang::Long:

Public Member Functions

- **Long** (long long value)
- **Long** (const std::string &value) throw (exceptions::NumberFormatException)
- virtual ~**Long** ()
- virtual int **compareTo** (const **Long** &l) const

  *Compares this **Long** (p. 2495) instance with another.*

- bool **equals** (const **Long** &l) const
- virtual bool **operator==** (const **Long** &l) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const **Long** &l) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- virtual int **compareTo** (const long long &l) const

  *Compares this **Long** (p. 2495) instance with another.*

- bool **equals** (const long long &l) const
- virtual bool **operator==** (const long long &l) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const long long &l) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- std::string **toString** () const
- virtual double **doubleValue** () const

  Answers the double value which the receiver represents.

- virtual float **floatValue** () const

  Answers the float value which the receiver represents.

- virtual unsigned char **byteValue** () const

  Answers the byte value which the receiver represents.

- virtual short **shortValue** () const

Answers the short value which the receiver represents.

- virtual int **intValue** () const

  Answers the int value which the receiver represents.

- virtual long long **longValue** () const

  Answers the long value which the receiver represents.

Static Public Member Functions

- static int **bitCount** (long long value)

  Returns the number of one-bits in the two's complement binary representation of the specified int value.

- static **Long decode** (const std::string &value) throw (exceptions::NumberFormatException)

  *Decodes a **String** (p. 3775) into a **Long** (p. 2495).*

- static long long **highestOneBit** (long long value)

  Returns an long long value with at most a single one-bit, in the position of the highest-order ("leftmost") one-bit in the specified int value.

- static long long **lowestOneBit** (long long value)

  Returns an long long value with at most a single one-bit, in the position of the lowest-order ("rightmost") one-bit in the specified int value.

- static int **numberOfLeadingZeros** (long long value)

  Returns the number of zero bits preceding the highest-order ("leftmost") one-bit in the two's complement binary representation of the specified long long value.

- static int **numberOfTrailingZeros** (long long value)

  Returns the number of zero bits following the lowest-order ("rightmost") one-bit in the two's complement binary representation of the specified long long value.

- static long long **parseLong** (const std::string &value) throw (exceptions::NumberFormatException)

  Parses the string argument as a signed decimal long.

- static long long **parseLong** (const std::string &value, int radix) throw (exceptions::NumberFormatException)

  *Returns a **Long** (p. 2495) object holding the value extracted from the specified string when parsed with the radix given by the second argument.*

- static long long **reverseBytes** (long long value)

  Returns the value obtained by reversing the order of the bytes in the two's complement representation of the specified long long value.

- static long long **reverse** (long long value)

  Returns the value obtained by reversing the order of the bits in the two's complement binary representation of the specified long long value.

- static long long **rotateLeft** (long long value, int distance)

  Returns the value obtained by rotating the two's complement binary representation of the specified value left by the specified number of bits.

- static long long **rotateRight** (long long value, int distance)

  Returns the value obtained by rotating the two's complement binary representation of the specified value right by the specified number of bits.

- static int **signum** (long long value)

  Returns the signum function of the specified value.

- static std::string **toString** (long long value)

  *Converts the long to a **String** (p. 3775) representation.*

- static std::string **toString** (long long value, int radix)
- static std::string **toHexString** (long long value)

  Returns a string representation of the integer argument as an unsigned integer in base 16.

- static std::string **toOctalString** (long long value)

  Returns a string representation of the long long argument as an unsigned long long in base 8.

- static std::string **toBinaryString** (long long value)

  Returns a string representation of the long long argument as an unsigned long long in base 2.

- static **Long valueOf** (long long value)

  *Returns a **Long** (p. 2495) instance representing the specified int value.*

- static **Long valueOf** (const std::string &value) throw (exceptions::NumberFormatException)

  *Returns a **Long** (p. 2495) object holding the value given by the specified std::string.*

- static **Long valueOf** (const std::string &value, int radix) throw (exceptions::NumberFormatException)

  *Returns a **Long** (p. 2495) object holding the value extracted from the specified std::string when parsed with the radix given by the second argument.*

Static Public Attributes

- static const int **SIZE** = 64

  The size in bits of the primitive long long type.

- static const long long **MAX_VALUE** = (long long)0x7FFFFFFFFFFFFFFFLL

  The maximum value that the primitive type can hold.

- static const long long **MIN_VALUE** = (long long)0x8000000000000000LL

  The minimum value that the primitive type can hold.

6.496.1 Constructor & Destructor Documentation

6.496.1.1 decaf::lang::Long::Long (long long *value*)

Parameters

value	- the primitive long long to wrap

6.496.1.2 decaf::lang::Long::Long (const std::string & *value*) throw (exceptions::NumberFormatException)

Parameters

value	- the long long formated string to wrap

Exceptions

NumberFormatException	

6.496.1.3 virtual decaf::lang::Long::~Long ( ) [inline, virtual]

6.496.2 Member Function Documentation

6.496.2.1 static int decaf::lang::Long::bitCount (long long *value*) [static]

Returns the number of one-bits in the two's complement binary representation of the specified int value.

This function is sometimes referred to as the population count.

Parameters

value	- the long long to count

Returns

the number of one-bits in the two's complement binary representation of the specified long long value.

6.496.2.2 virtual unsigned char decaf::lang::Long::byteValue ( ) const [inline, virtual]

Answers the byte value which the receiver represents.

Returns

int the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2919).

6.496.2.3 virtual int decaf::lang::Long::compareTo (const long long & *l*) const [virtual]

Compares this **Long** (p. 2495) instance with another.

Parameters

l	- the **Integer** (p. 2143) instance to be compared

Returns

zero if this object represents the same integer value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object repesents a value less than the passed in value.

Implements **decaf::lang::Comparable**< **long long** > (p. 1249).

6.496.2.4 virtual int decaf::lang::Long::compareTo (const Long & *l*) const [virtual]

Compares this **Long** (p. 2495) instance with another.

Parameters

l	- the **Long** (p. 2495) instance to be compared

Returns

zero if this object represents the same integer value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object repesents a value less than the passed in value.

Implements **decaf::lang::Comparable**< **Long** > (p. 1249).

6.496.2.5 static Long decaf::lang::Long::decode (const std::string & *value*) throw (exceptions::NumberFormatException) [static]

Decodes a **String** (p. 3775) into a **Long** (p. 2495).

Accepts decimal, hexadecimal, and octal numbers given by the following grammar:

The sequence of characters following an (optional) negative sign and/or radix specifier ("0x", "0X", "#", or leading zero) is parsed as by the Integer.parseInteger method with the indicated radix (10, 16, or 8). This sequence of characters must represent a positive value or a NumberFormatException will be thrown. The result is negated if first character of the specified **String** (p. 3775) is the minus sign. No whitespace characters are permitted in the string.

Parameters

value	- The string to decode

Returns

a **Long** (p. 2495) object containing the decoded value

Exceptions

NumberFomatException	if the string is not formatted correctly.

6.496.2.6 virtual double decaf::lang::Long::doubleValue ( ) const [inline, virtual]

Answers the double value which the receiver represents.

Returns

double the value of the receiver.

Implements **decaf::lang::Number** (p. 2919).

6.496.2.7 bool decaf::lang::Long::equals (const Long & *l*) const [inline, virtual]

Parameters

l	- the **Long** (p. 2495) object to compare against.

Returns

true if the two **Integer** (p. 2143) Objects have the same value.

Implements **decaf::lang::Comparable**< **Long** > (p. 1250).

6.496.2.8 bool decaf::lang::Long::equals (const long long & *l*) const [inline, virtual]

Parameters

l	- the **Long** (p. 2495) object to compare against.

Returns

true if the two **Integer** (p. 2143) Objects have the same value.

Implements **decaf::lang::Comparable**< **long long** > (p. 1250).

6.496.2.9 virtual float decaf::lang::Long::floatValue ( ) const [inline, virtual]

Answers the float value which the receiver represents.

Returns

float the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.496.2.10 static long long decaf::lang::Long::highestOneBit (long long *value*) [static]

Returns an long long value with at most a single one-bit, in the position of the highest-order ("leftmost") one-bit in the specified int value.

Returns zero if the specified value has no one-bits in its two's complement binary representation, that is, if it is equal to zero.

Parameters

value	- the long long to be inspected

Returns

an long long value with a single one-bit, in the position of the highest-order one-bit in the specified value, or zero if the specified value is itself equal to zero.

6.496.2.11 virtual int decaf::lang::Long::intValue ( ) const [inline, virtual]

Answers the int value which the receiver represents.

Returns

int the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.496.2.12 virtual long long decaf::lang::Long::longValue ( ) const [inline, virtual]

Answers the long value which the receiver represents.

Returns

long the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.496.2.13 static long long decaf::lang::Long::lowestOneBit (long long *value*) [static]

Returns an long long value with at most a single one-bit, in the position of the lowest-order ("rightmost") one-bit in the specified int value.

Returns zero if the specified value has no one-bits in its two's complement binary representation, that is, if it is equal to zero.

Parameters

value	- the long long to be inspected

Returns

an long long value with a single one-bit, in the position of the lowest-order one-bit in the specified value, or zero if the specified value is itself equal to zero.

6.496.2.14 static int decaf::lang::Long::numberOfLeadingZeros (long long *value*) [static]

Returns the number of zero bits preceding the highest-order ("leftmost") one-bit in the two's complement binary representation of the specified long long value.

Returns 64 if the specified value has no one-bits in its two's complement representation, in other words if it is equal to zero.

Note that this method is closely related to the logarithm base 2. For all positive int values x:

∗ floor(log2(x)) = 63 - numberOfLeadingZeros(x) ∗ ceil(log2(x)) = 64 - numberOfLeadingZeros(x - 1)

Parameters

value	- the long long to be inspected

Returns

the number of zero bits preceding the highest-order ("leftmost") one-bit in the two's complement binary representation of the specified long long value, or 64 if the value is equal to zero.

6.496.2.15 static int decaf::lang::Long::numberOfTrailingZeros (long long *value*) [static]

Returns the number of zero bits following the lowest-order ("rightmost") one-bit in the two's complement binary representation of the specified long long value.

Returns 64 if the specified value has no one-bits in its two's complement representation, in other words if it is equal to zero.

Parameters

value	- the int to be inspected

Returns

the number of zero bits following the lowest-order ("rightmost") one-bit in the two's complement binary representation of the specified long long value, or 64 if the value is equal to zero.

6.496.2.16 virtual bool decaf::lang::Long::operator< (const long long & *l*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

l	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< long long >** (p. 1250).

6.496.2.17 virtual bool decaf::lang::Long::operator< (const Long & *l*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

l	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable**< **Long** > (p. 1250).

6.496.2.18 virtual bool decaf::lang::Long::operator== (const Long & *l*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

l	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable**< **Long** > (p. 1250).

6.496.2.19 virtual bool decaf::lang::Long::operator== (const long long & *l*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

l	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable**< **long long** > (p. 1250).

6.496.2.20 static long long decaf::lang::Long::parseLong (const std::string & *value*) throw (**exceptions::NumberFormatException**) [static]

Parses the string argument as a signed decimal long.

The characters in the string must all be decimal digits, except that the first character may be an ASCII minus sign '-' to indicate a negative value. The resulting long value is returned, exactly as if the argument and the radix 10 were given as arguments to the parseLong(java.lang.String, int) method.

Note that the characters LL or ULL are not permitted to appear at the end of this string as would normally be permitted in a C++ program.

Parameters

value	- **String** (p. 3775) to parse

Returns

long long value

Exceptions

NumberFormatException	on invalid string value

6.496.2.21 static long long decaf::lang::Long::parseLong (const std::string & *value*, int *radix*) throw (exceptions::NumberFormatException) [static]

Returns a **Long** (p. 2495) object holding the value extracted from the specified string when parsed with the radix given by the second argument.

The first argument is interpreted as representing a signed long in the radix specified by the second argument, exactly as if the arguments were given to the parseLong(std::string, int) method. The result is a **Long** (p. 2495) object that represents the long long value specified by the string.

Parameters

value	- **String** (p. 3775) to parse
radix	- the base encoding of the string

Returns

long long value

Exceptions

NumberFormatException	on invalid string value

6.496.2.22 static long long decaf::lang::Long::reverse (long long *value*) [static]

Returns the value obtained by reversing the order of the bits in the two's complement binary representation of the specified long long value.

Parameters

value	- the value whose bits are to be reversed

Returns

the reversed bits long long.

6.496.2.23 static long long decaf::lang::Long::reverseBytes (long long *value*) [static]

Returns the value obtained by reversing the order of the bytes in the two's complement representation of the specified long long value.

Parameters

value	- the long long whose bytes we are to reverse

Returns

the reversed long long.

6.496.2.24 static long long decaf::lang::Long::rotateLeft (long long *value,* int *distance*) [static]

Returns the value obtained by rotating the two's complement binary representation of the specified value left by the specified number of bits.

(Bits shifted out of the left hand, or high-order, side reenter on the right, or low-order.)

Note that left rotation with a negative distance is equivalent to right rotation: rotateLeft(val, -distance) == rotateRight(val, distance). Note also that rotation by any multiple of 32 is a no-op, so all but the last five bits of the rotation distance can be ignored, even if the distance is negative: rotateLeft(val, distance) == rotateLeft(val, distance & 0x1F).

Parameters

value	- the long long to be inspected
distance	- the number of bits to rotate

Returns

the value obtained by rotating the two's complement binary representation of the specified value left by the specified number of bits.

6.496.2.25 static long long decaf::lang::Long::rotateRight (long long *value,* int *distance*) [static]

Returns the value obtained by rotating the two's complement binary representation of the specified value right by the specified number of bits.

(Bits shifted out of the right hand, or low-order, side reenter on the left, or high-order.)

Note that right rotation with a negative distance is equivalent to left rotation: rotateRight(val, -distance) == rotateLeft(val, distance). Note also that rotation by any multiple of 32 is a no-op, so all but the last five bits of the rotation distance can be ignored, even if the distance is negative: rotateRight(val, distance) == rotateRight(val, distance & 0x1F).

Parameters

value	- the long long to be inspected
distance	- the number of bits to rotate

Returns

the value obtained by rotating the two's complement binary representation of the specified value right by the specified number of bits.

6.496.2.26 virtual short decaf::lang::Long::shortValue ( ) const [inline, virtual]

Answers the short value which the receiver represents.

Returns

int the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2920).

6.496.2.27 static int decaf::lang::Long::signum (long long *value*) [static]

Returns the signum function of the specified value.

(The return value is -1 if the specified value is negative; 0 if the specified value is zero; and 1 if the specified value is positive.)

Parameters

value	- the long long to be inspected

Returns

the signum function of the specified long long value.

6.496.2.28 static std::string decaf::lang::Long::toBinaryString (long long *value*) [static]

Returns a string representation of the long long argument as an unsigned long long in base 2.

The unsigned long long value is the argument plus 2^32 if the argument is negative; otherwise it is equal to the argument. This value is converted to a string of ASCII digits in binary (base 2) with no extra leading 0s. If the unsigned magnitude is zero, it is represented by a single zero character '0'; otherwise, the first character of the representation of the unsigned magnitude will not be the zero character. The characters '0' and '1' are used as binary digits.

Parameters

value	- the long long to be translated to a binary string

Returns

the unsigned long long value as a binary string

6.496.2.29 static std::string decaf::lang::Long::toHexString (long long *value*) [static]

Returns a string representation of the integer argument as an unsigned integer in base 16.

The unsigned integer value is the argument plus 2^32 if the argument is negative; otherwise, it is equal to the argument. This value is converted to a string of ASCII digits in hexadecimal (base 16) with no extra leading 0s. If the unsigned magnitude is zero, it is represented by a single zero character '0'; otherwise, the first character of the representation of the unsigned magnitude will not be the zero character. The following characters are used as hexadecimal digits:

0123456789abcdef

If uppercase letters are desired, the toUpperCase() method may be called on the result:

Parameters

value	- the long long to be translated to an Octal string

Returns

the unsigned long long value as a Octal string

6.496.2.30 static std::string decaf::lang::Long::toOctalString (long long *value*) [static]

Returns a string representation of the long long argument as an unsigned long long in base 8.

The unsigned long long value is the argument plus 2^32 if the argument is negative; otherwise, it is equal to the argument. This value is converted to a string of ASCII digits in octal (base 8) with no extra leading 0s.

If the unsigned magnitude is zero, it is represented by a single zero character '0'; otherwise, the first character of the representation of the unsigned magnitude will not be the zero character. The following characters are used as octal digits:

01234567

Parameters

value	- the long long to be translated to an Octal string

Returns

the unsigned long long value as a Octal string

6.496.2.31 static std::string decaf::lang::Long::toString (long long *value*) [static]

Converts the long to a **String** (p. 3775) representation.

Parameters

value	The long to convert to a std::string.

Returns

string representation

6.496.2.32 std::string decaf::lang::Long::toString ( ) const

Returns

this **Long** (p. 2495) Object as a **String** (p. 3775) Representation

6.496.2.33 static std::string decaf::lang::Long::toString (long long *value,* int *radix*) [static]

6.496.2.34 static Long decaf::lang::Long::valueOf (long long *value*) [inline, static]

Returns a **Long** (p. 2495) instance representing the specified int value.

Parameters

value	- the long long to wrap

Returns

the new **Integer** (p. 2143) object wrapping value.

6.496.2.35 static Long decaf::lang::Long::valueOf (const std::string & *value,* int *radix*) throw (exceptions::NumberFormatException) [static]

Returns a **Long** (p. 2495) object holding the value extracted from the specified std::string when parsed with the radix given by the second argument.

The first argument is interpreted as representing a signed long long in the radix specified by the second argument, exactly as if the argument were given to the parseLong(std::string, int) method. The result is a **Long** (p. 2495) object that represents the long long value specified by the string.

Parameters

value	- std::string to parse as base (radix)
radix	- base of the string to parse.

Returns

new **Long** (p. 2495) Object wrapping the primitive

Exceptions

NumberFormatException	if the string is not a valid long long.

6.496.2.36 static Long decaf::lang::Long::valueOf (const std::string & *value*) throw (exceptions::NumberFormatException) [static]

Returns a **Long** (p. 2495) object holding the value given by the specified std::string.

The argument is interpreted as representing a signed decimal long long, exactly as if the argument were given to the parseLong(std::string) method. The result is a **Integer** (p. 2143) object that represents the long long value specified by the string.

Parameters

value	- std::string to parse as base 10

Returns

new **Long** (p. 2495) Object wrapping the primitive

Exceptions

NumberFormatException	if the string is not a decimal long long.

6.496.3 Field Documentation

6.496.3.1 const long long decaf::lang::Long::MAX_VALUE = (long long)0x7FFFFFFFFFFFFFFFLL [static]

The maximum value that the primitive type can hold.

6.496.3.2 const long long decaf::lang::Long::MIN_VALUE = (long long)0x8000000000000000LL [static]

The minimum value that the primitive type can hold.

6.496.3.3 const int decaf::lang::Long::SIZE = 64 [static]

The size in bits of the primitive long long type.

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Long.h**

6.497 decaf::internal::nio::LongArrayBuffer Class Reference

`#include <src/main/decaf/internal/nio/LongArrayBuffer.h>`

Inheritance diagram for decaf::internal::nio::LongArrayBuffer:

Public Member Functions

- **LongArrayBuffer** (int size, bool readOnly=false) throw (decaf::lang::exceptions::IllegalArgumentException)

  *Creates a **IntArrayBuffer** (p. 2119) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.*

- **LongArrayBuffer** (long long *array, int size, int offset, int length, bool readOnly=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsExcep)

  *Creates a **LongArrayBuffer** (p. 2511) object that wraps the given array.*

- **LongArrayBuffer** (const **decaf::lang::Pointer**< **ByteArrayAdapter** > &array, int offset, int length, bool readOnly=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

- **LongArrayBuffer** (const **LongArrayBuffer** &other)

  *Create a **LongArrayBuffer** (p. 2511) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.*

- virtual ~**LongArrayBuffer** ()
- virtual long long * **array** () throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException)

  Returns the long long array that backs this buffer (optional operation).
  Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.
  Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

  Returns

  *the array that backs this **Buffer** (p. 936).*

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this **Buffer** (p. 936) is read only.*

UnsupportedOperationException	*if the underlying store has no array.*

- virtual int **arrayOffset** () throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException)

  Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).
  Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

  Returns

  The offset long longo the backing array where index zero starts.

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this **Buffer** (p. 936) is read only.*
UnsupportedOperationException	*if the underlying store has no array.*

- virtual LongBuffer ∗ **asReadOnlyBuffer** () const

  Creates a new, read-only long long buffer that shares this buffer's content.
  The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.
  If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.
  The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

  Returns

  The new, read-only long long buffer which the caller then owns.

- virtual LongBuffer & **compact** () throw (decaf::nio::ReadOnlyBufferException)

  Compacts this buffer.
  *The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.*
  The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

  Returns

  *a reference to this **LongBuffer** (p. 2522).*

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual LongBuffer * **duplicate** ()

  Creates a new long long buffer that shares this buffer's content.
  The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.
  Returns

  *a new long long **Buffer** (p. 936) which the caller owns.*

- virtual long long **get** () throw (decaf::nio::BufferUnderflowException)

  Relative get method.
  Reads the value at this buffer's current position, and then increments the position.
  Returns

  the long long at the current position.
  Exceptions

BufferUnderflowException (p. 967)	*if there no more data to return.*

- virtual long long **get** (int index) const throw (lang::exceptions::IndexOutOfBoundsException)

  Absolute get method.
  Reads the value at the given index.
  Parameters

index	*The index in the **Buffer** (p. 936) where the long long is to be read.*

  Returns

  the long long that is located at the given index.
  Exceptions

IndexOutOfBoundsException	*if index is not smaller than the buffer's limit, or index is negative.*

- virtual bool **hasArray** () const

  Tells whether or not this buffer is backed by an accessible long long array.
  If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.
  Returns

  true if, and only if, this buffer is backed by an array and is not read-only.

- virtual bool **isReadOnly** () const

  Tells whether or not this buffer is read-only.

  Returns

  true if, and only if, this buffer is read-only.

- virtual LongBuffer & **put** (long long value) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException)

  Writes the given long longs long longo this buffer at the current position, and then increments the position.

  Parameters

value	*The long longs value to be written.*

  Returns

  a reference to this buffer.

  Exceptions

BufferOverflowException (p. 964)	*if this buffer's current position is not smaller than its limit*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only*

- virtual LongBuffer & **put** (int index, long long value) throw (lang::exceptions::IndexOutOfBoundsExcepti decaf::nio::ReadOnlyBufferException)

  Writes the given long longs long longo this buffer at the given index.

  Parameters

index	*The position in the **Buffer** (p. 936) to write the data*
value	*The long longs to write.*

  Returns

  a reference to this buffer.

  Exceptions

IndexOutOfBoundsException	*if index greater than the buffer's limit minus the size of the type being written.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only*

- virtual LongBuffer * **slice** () const

  *Creates a new **LongBuffer** (p. 2522) whose content is a shared subsequence of this buffer's content.*
  The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's position will be zero, its capacity and its limit will be the number of

bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

*the newly create **LongBuffer** (p. 2522) which the caller owns.*

Protected Member Functions

- virtual void **setReadOnly** (bool value)

  *Sets this **LongArrayBuffer** (p. 2511) as Read-Only.*

6.497.1 Constructor & Destructor Documentation

6.497.1.1 decaf::internal::nio::LongArrayBuffer::LongArrayBuffer (int *size*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::IllegalArgumentException)

Creates a **IntArrayBuffer** (p. 2119) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

size	The size of the array, this is the limit we read and write to.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

IllegalArguementException	if the capacity value is negative.

6.497.1.2 decaf::internal::nio::LongArrayBuffer::LongArrayBuffer (long long * *array*, int *size*, int *offset*, int *length*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a **LongArrayBuffer** (p. 2511) object that wraps the given array.

If the own flag is set then it will delete this array when this object is deleted.

Parameters

array	The actual array to wrap.
size	The size of the given array.
offset	The position that is this buffers start position.
length	The limit of how many bytes into the array this Buffer can write.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if offset is greater than array capacity.

6.497.1.3 decaf::internal::nio::LongArrayBuffer::LongArrayBuffer (const decaf::lang::Pointer< ByteArrayAdapter > & *array*, int *offset*, int *length*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

The capacity and limit of the new **LongArrayBuffer** (p. 2511) will be that of the remaining capacity of the passed buffer.

Parameters

array	The ByteArrayAdapter to wrap.
offset	The position that is this buffers start position.
length	The limit of how many bytes into the array this Buffer can write.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

NullPointerException	if array is NULL
IndexOutOfBoundsException	if offset + length is greater than array size.

6.497.1.4 decaf::internal::nio::LongArrayBuffer::LongArrayBuffer (const LongArrayBuffer & *other*)

Create a **LongArrayBuffer** (p. 2511) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.

Parameters

other	The **LongArrayBuffer** (p. 2511) this one is to mirror.

6.497.1.5 virtual decaf::internal::nio::LongArrayBuffer::~LongArrayBuffer ( ) [virtual]

6.497.2 Member Function Documentation

6.497.2.1 virtual long long* decaf::internal::nio::LongArrayBuffer::array ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException) [virtual]

Returns the long long array that backs this buffer (optional operation).

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

the array that backs this **Buffer** (p. 936).

Exceptions

ReadOnlyBufferException (p. *3260*)	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implements **decaf::nio::LongBuffer** (p. 2526).

6.497.2.2 virtual int decaf::internal::nio::LongArrayBuffer::arrayOffset ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException) [virtual]

Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset long longo the backing array where index zero starts.

Exceptions

ReadOnlyBufferException (p. *3260*)	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implements **decaf::nio::LongBuffer** (p. 2526).

6.497.2.3 virtual LongBuffer* decaf::internal::nio::LongArrayBuffer::asReadOnlyBuffer ( ) const [virtual]

Creates a new, read-only long long buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only long long buffer which the caller then owns.

Implements **decaf::nio::LongBuffer** (p. 2527).

6.497.2.4 virtual LongBuffer& decaf::internal::nio::LongArrayBuffer::compact ( ) throw (**decaf::nio::ReadOnlyBufferException**) [virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **LongBuffer** (p. 2522).

Exceptions

ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::LongBuffer** (p. 2527).

6.497.2.5 virtual LongBuffer* decaf::internal::nio::LongArrayBuffer::duplicate ( ) [virtual]

Creates a new long long buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new long long **Buffer** (p. 936) which the caller owns.

Implements **decaf::nio::LongBuffer** (p. 2528).

6.497.2.6 virtual long long decaf::internal::nio::LongArrayBuffer::get ( ) throw (**decaf::nio::BufferUnderflowException**) [virtual]

Relative get method.

Reads the value at this buffer's current position, and then increments the position.

Returns

the long long at the current position.

Exceptions

BufferUnderflowException *(p. 967)*	if there no more data to return.

Implements **decaf::nio::LongBuffer** (p. 2530).

6.497.2.7 virtual long long decaf::internal::nio::LongArrayBuffer::get (int *index*) const throw (**lang::exceptions::IndexOutOfBoundsException**) [virtual]

Absolute get method.

Reads the value at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the long long is to be read.

Returns

the long long that is located at the given index.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit, or index is negative.

Implements **decaf::nio::LongBuffer** (p. 2528).

6.497.2.8 virtual bool decaf::internal::nio::LongArrayBuffer::hasArray ( ) const [inline, virtual]

Tells whether or not this buffer is backed by an accessible long long array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only.

Implements **decaf::nio::LongBuffer** (p. 2530).

6.497.2.9 virtual bool decaf::internal::nio::LongArrayBuffer::isReadOnly ( ) const [inline, virtual]

Tells whether or not this buffer is read-only.

Returns

true if, and only if, this buffer is read-only.

Implements **decaf::nio::Buffer** (p. 940).

6.497.2.10 virtual LongBuffer& decaf::internal::nio::LongArrayBuffer::put (int *index*, long long *value*) throw (lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes the given long longs long longo this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data
value	The long longs to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implements **decaf::nio::LongBuffer** (p. 2531).

6.497.2.11 virtual LongBuffer& decaf::internal::nio::LongArrayBuffer::put (long long *value*) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes the given long longs long longo this buffer at the current position, and then increments the position.

Parameters

value	The long longs value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if this buffer's current position is not smaller than its limit
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implements **decaf::nio::LongBuffer** (p. 2530).

6.497.2.12 virtual void decaf::internal::nio::LongArrayBuffer::setReadOnly (bool *value*) [inline, protected, virtual]

Sets this **LongArrayBuffer** (p. 2511) as Read-Only.

Parameters

value	Boolean value, true if this buffer is to be read-only, false otherwise.

6.497.2.13 virtual LongBuffer* decaf::internal::nio::LongArrayBuffer::slice ( ) const [virtual]

Creates a new **LongBuffer** (p. 2522) whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **LongBuffer** (p. 2522) which the caller owns.

Implements **decaf::nio::LongBuffer** (p. 2533).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/nio/**LongArrayBuffer.h**

6.498 decaf::nio::LongBuffer Class Reference

This class defines four categories of operations upon long long buffers:

`#include <src/main/decaf/nio/LongBuffer.h>`

Inheritance diagram for decaf::nio::LongBuffer:

Public Member Functions

- virtual ~**LongBuffer** ()
- virtual std::string **toString** () const
- virtual long long * **array** ()=0 throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException)

  Returns the long long array that backs this buffer (optional operation).

- virtual int **arrayOffset** ()=0 throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException)

  Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

- virtual **LongBuffer** * **asReadOnlyBuffer** () const =0

  Creates a new, read-only long long buffer that shares this buffer's content.

- virtual **LongBuffer** & **compact** ()=0 throw (ReadOnlyBufferException)

  Compacts this buffer.

- virtual **LongBuffer** ∗ **duplicate** ()=0

  Creates a new long long buffer that shares this buffer's content.

- virtual long long **get** ()=0 throw (BufferUnderflowException)

  Relative get method.

- virtual long long **get** (int index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Absolute get method.

- **LongBuffer** & **get** (std::vector< long long > buffer) throw (BufferUnderflowException)

  Relative bulk get method.

- **LongBuffer** & **get** (long long ∗buffer, int size, int offset, int length) throw (BufferUnderflowException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  Relative bulk get method.

- virtual bool **hasArray** () const =0

  Tells whether or not this buffer is backed by an accessible long long array.

- **LongBuffer** & **put** (**LongBuffer** &src) throw (BufferOverflowException, ReadOnlyBufferException, lang::exceptions::IllegalArgumentException)

  This method transfers the long longs remaining in the given source buffer long longo this buffer.

- **LongBuffer** & **put** (const long long ∗buffer, int size, int offset, int length) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  This method transfers long longs long longo this buffer from the given source array.

- **LongBuffer** & **put** (std::vector< long long > &buffer) throw (BufferOverflowException, ReadOnlyBufferException)

  This method transfers the entire content of the given source long longs array long longo this buffer.

- virtual **LongBuffer** & **put** (long long value)=0 throw (BufferOverflowException, ReadOnlyBufferException)

  Writes the given long longs long longo this buffer at the current position, and then increments the position.

- virtual **LongBuffer** & **put** (int index, long long value)=0 throw (decaf::lang::exceptions::IndexOutOfBoundsException ReadOnlyBufferException)

Writes the given long longs long longo this buffer at the given index.

- virtual **LongBuffer** ∗ **slice** () const =0

  *Creates a new **LongBuffer** (p. 2522) whose content is a shared subsequence of this buffer's content.*

- virtual int **compareTo** (const **LongBuffer** &value) const

- virtual bool **equals** (const **LongBuffer** &value) const

- virtual bool **operator==** (const **LongBuffer** &value) const

- virtual bool **operator**< (const **LongBuffer** &value) const

Static Public Member Functions

- static **LongBuffer** ∗ **allocate** (int capacity) throw (decaf::lang::exceptions::IllegalArgumentException)

  Allocates a new Double buffer.

- static **LongBuffer** ∗ **wrap** (long long ∗array, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  *Wraps the passed buffer with a new **LongBuffer** (p. 2522).*

- static **LongBuffer** ∗ **wrap** (std::vector< long long > &buffer)

  *Wraps the passed STL long long Vector in a **LongBuffer** (p. 2522).*

Protected Member Functions

- **LongBuffer** (int capacity) throw (decaf::lang::exceptions::IllegalArgumentException)

  *Creates a **LongBuffer** (p. 2522) object that has its backing array allocated long longernally and is then owned and deleted when this object is deleted.*

6.498.1 Detailed Description

This class defines four categories of operations upon long long buffers: o Absolute and relative get and put methods that read and write single long longs; o Relative bulk get

methods that transfer contiguous sequences of long longs from this buffer long longo an array; and o Relative bulk put methods that transfer contiguous sequences of long longs from a long long array or some other long long buffer long longo this buffer o Methods for compacting, duplicating, and slicing a long long buffer.

Double buffers can be created either by allocation, which allocates space for the buffer's content, by wrapping an existing long long array long longo a buffer, or by creating a view of an existing byte buffer

Methods in this class that do not otherwise have a value to return are specified to return the buffer upon which they are invoked. This allows method invocations to be chained.

6.498.2 Constructor & Destructor Documentation

6.498.2.1 decaf::nio::LongBuffer::LongBuffer (int *capacity*) throw (decaf::lang::exceptions::IllegalArgumentException) [protected]

Creates a **LongBuffer** (p. 2522) object that has its backing array allocated long longernally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

capacity	The size and limit of the **Buffer** (p. 936) in long longs.

Exceptions

IllegalArguementException	if capacity is negative.

6.498.2.2 virtual decaf::nio::LongBuffer::~LongBuffer ( ) [inline, virtual]

6.498.3 Member Function Documentation

6.498.3.1 static LongBuffer* decaf::nio::LongBuffer::allocate (int *capacity*) throw (decaf::lang::exceptions::IllegalArgumentException) [static]

Allocates a new Double buffer.

The new buffer's position will be zero, its limit will be its capacity, and its mark will be undefined. It will have a backing array, and its array offset will be zero.

Parameters

capacity	The size of the Double buffer in long longs.

Returns

the **LongBuffer** (p. 2522) that was allocated, caller owns.

6.498.3.2 virtual long long* decaf::nio::LongBuffer::array ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException) [pure virtual]

Returns the long long array that backs this buffer (optional operation).

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

the array that backs this **Buffer** (p. 936).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implemented in **decaf::internal::nio::LongArrayBuffer** (p. 2517).

6.498.3.3 virtual int decaf::nio::LongBuffer::arrayOffset ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException) [pure virtual]

Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset long longo the backing array where index zero starts.

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implemented in **decaf::internal::nio::LongArrayBuffer** (p. 2517).

6.498.3.4 virtual LongBuffer* decaf::nio::LongBuffer::asReadOnlyBuffer ( ) const [pure virtual]

Creates a new, read-only long long buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only long long buffer which the caller then owns.

Implemented in **decaf::internal::nio::LongArrayBuffer** (p. 2518).

6.498.3.5 virtual LongBuffer& decaf::nio::LongBuffer::compact ( ) throw (ReadOnlyBufferException) [pure virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **LongBuffer** (p. 2522).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implemented in **decaf::internal::nio::LongArrayBuffer** (p. 2518).

6.498.3.6 virtual int decaf::nio::LongBuffer::compareTo (const LongBuffer & *value*) const [virtual]

6.498.3.7 virtual LongBuffer* decaf::nio::LongBuffer::duplicate ( ) [pure virtual]

Creates a new long long buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new long long **Buffer** (p. 936) which the caller owns.

Implemented in **decaf::internal::nio::LongArrayBuffer** (p. 2519).

6.498.3.8 virtual bool decaf::nio::LongBuffer::equals (const LongBuffer & *value*) const [virtual]

6.498.3.9 LongBuffer& decaf::nio::LongBuffer::get (std::vector< long long > *buffer*) throw (BufferUnderflowException)

Relative bulk get method.

This method transfers values from this buffer long longo the given destination vector. An invocation of this method of the form src.get(a) behaves in exactly the same way as the invocation. The vector must be sized to the amount of data that is to be read, that is to say, the caller should call buffer.resize(N) before calling this get method.

Returns

a reference to this **Buffer** (p. 936).

Exceptions

BufferUnderflowException *(p. 967)*	if there are fewer than length long longs remaining in this buffer.

6.498.3.10 virtual long long decaf::nio::LongBuffer::get (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Absolute get method.

Reads the value at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the long long is to be read.

Returns

the long long that is located at the given index.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit, or index is negative.

Implemented in **decaf::internal::nio::LongArrayBuffer** (p. 2519).

6.498.3.11 LongBuffer& decaf::nio::LongBuffer::get (long long * *buffer*, int *size*, int *offset*, int *length*) throw (BufferUnderflowException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

Relative bulk get method.

This method transfers long longs from this buffer long longo the given destination array. If there are fewer long longs remaining in the buffer than are required to satisfy the request, that is, if length > **remaining()** (p. 941), then no bytes are transferred and a **BufferUnderflowException** (p. 967) is thrown.

Otherwise, this method copies length long longs from this buffer long longo the given array, starting at the current position of this buffer and at the given offset in the array. The position of this buffer is then incremented by length.

Parameters

buffer	The pointer to an allocated long long buffer to fill.
size	The size of the passed in buffer.
offset	The position in the buffer to start filling.
length	The amount of data to put in the passed buffer.

Returns

a reference to this **Buffer** (p. 936).

Exceptions

BufferUnderflowException *(p. 967)*	if there are fewer than length long longs remaining in this buffer
NullPolong	longerException if the passed buffer is null.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.498.3.12 virtual long long decaf::nio::LongBuffer::get ( ) throw (BufferUnderflowException) [pure virtual]

Relative get method.

Reads the value at this buffer's current position, and then increments the position.

Returns

the long long at the current position.

Exceptions

BufferUnderflowException *(p. 967)*	if there no more data to return.

Implemented in **decaf::internal::nio::LongArrayBuffer** (p. 2519).

6.498.3.13 virtual bool decaf::nio::LongBuffer::hasArray ( ) const [pure virtual]

Tells whether or not this buffer is backed by an accessible long long array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only.

Implemented in **decaf::internal::nio::LongArrayBuffer** (p. 2520).

6.498.3.14 virtual bool decaf::nio::LongBuffer::operator< (const LongBuffer & *value*) const [virtual]

6.498.3.15 virtual bool decaf::nio::LongBuffer::operator== (const LongBuffer & *value*) const [virtual]

6.498.3.16 virtual LongBuffer& decaf::nio::LongBuffer::put (long long *value*) throw (BufferOverflowException, ReadOnlyBufferException) [pure virtual]

Writes the given long longs long longo this buffer at the current position, and then increments the position.

Parameters

value	The long longs value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if this buffer's current position is not smaller than its limit
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implemented in **decaf::internal::nio::LongArrayBuffer** (p. 2521).

6.498.3.17 virtual LongBuffer& decaf::nio::LongBuffer::put (int *index*, long long *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException) [pure virtual]

Writes the given long longs long longo this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data
value	The long longs to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only

Implemented in **decaf::internal::nio::LongArrayBuffer** (p. 2520).

6.498.3.18 LongBuffer& decaf::nio::LongBuffer::put (const long long * *buffer*, int *size*, int *offset*, int *length*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

This method transfers long longs long longo this buffer from the given source array.

If there are more long longs to be copied from the array than remain in this buffer, that is, if length > **remaining()** (p. 941), then no long longs are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies length bytes from the given array long longo this buffer, starting at the given offset in the array and at the current position of this buffer. The position of this buffer is then incremented by length.

Parameters

buffer	The array from which long longs are to be read.
size	The size of the buffer passed.
offset	The offset within the array of the first char to be read.
length	The number of long longs to be read from the given array.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only
NullPolong	longerException if the passed buffer is null.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.498.3.19 LongBuffer& decaf::nio::LongBuffer::put (std::vector< long long > & *buffer*) throw (BufferOverflowException, ReadOnlyBufferException)

This method transfers the entire content of the given source long longs array long longo this buffer.

This is the same as calling put(&buffer[0], 0, buffer.size().

Parameters

buffer	The buffer whose contents are copied to this **LongBuffer** (p. 2522).

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

6.498.3.20 LongBuffer& decaf::nio::LongBuffer::put (LongBuffer & *src*) throw (BufferOverflowException, ReadOnlyBufferException, lang::exceptions::IllegalArgumentException)

This method transfers the long longs remaining in the given source buffer long longo this buffer.

If there are more long longs remaining in the source buffer than in this buffer, that is, if src.remaining() > **remaining()** (p. 941), then no long longs are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies n = src.remaining() long longs from the given buffer long longo this buffer, starting at each buffer's current position. The positions of both buffers are then incremented by n.

Parameters

src	The buffer to take long longs from an place in this one.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException *(p. 964)*	if there is insufficient space in this buffer for the remaining long longs in the source buffer
IllegalArgumentException	if the source buffer is this buffer
ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only

6.498.3.21 virtual LongBuffer* decaf::nio::LongBuffer::slice ( ) const [pure virtual]

Creates a new **LongBuffer** (p. 2522) whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **LongBuffer** (p. 2522) which the caller owns.

Implemented in **decaf::internal::nio::LongArrayBuffer** (p. 2522).

6.498.3.22 virtual std::string decaf::nio::LongBuffer::toString ( ) const [virtual]

Returns

a std::string describing this object

6.498.3.23 static LongBuffer* decaf::nio::LongBuffer::wrap (long long * *array,* int *size,* int *offset,* int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new **LongBuffer** (p. 2522).

The new buffer will be backed by the given long long array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array.length, its position will be offset, its limit will be offset + length, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

array	The array that will back the new buffer.
size	The size of the passed in array.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new **LongBuffer** (p. 2522) that is backed by buffer, caller owns.

Exceptions

NullPointerException	if the array pointer is NULL.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.498.3.24 static LongBuffer* decaf::nio::LongBuffer::wrap (std::vector< long long > & *buffer*) [static]

Wraps the passed STL long long Vector in a **LongBuffer** (p. 2522).

The new buffer will be backed by the given long long array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new **LongBuffer** (p. 2522) that is backed by buffer, caller owns.

The documentation for this class was generated from the following file:

- src/main/decaf/nio/**LongBuffer.h**

6.499 activemq::util::LongSequenceGenerator Class Reference

This class is used to generate a sequence of long long values that are incremented each time a new value is requested.

```
#include <src/main/activemq/util/LongSequenceGenerator.h>
```

Public Member Functions

- **LongSequenceGenerator** ()
- virtual ∼**LongSequenceGenerator** ()
- long long **getNextSequenceId** ()
- long long **getLastSequenceId** ()

6.499.1 Detailed Description

This class is used to generate a sequence of long long values that are incremented each time a new value is requested. This class is thread safe so the ids can be requested in different threads safely.

6.499.2 Constructor & Destructor Documentation

6.499.2.1 activemq::util::LongSequenceGenerator::LongSequenceGenerator ( )

6.499.2.2 virtual activemq::util::LongSequenceGenerator::∼LongSequenceGenerator ( ) [inline, virtual]

6.499.3 Member Function Documentation

6.499.3.1 long long activemq::util::LongSequenceGenerator::getLastSequenceId ( )

Returns

the last id that was generated.

6.499.3.2 long long activemq::util::LongSequenceGenerator::getNextSequenceId ( )

Returns

the next id in the sequence.

The documentation for this class was generated from the following file:

- src/main/activemq/util/**LongSequenceGenerator.h**

6.500 decaf::net::MalformedURLException Class Reference

`#include <src/main/decaf/net/MalformedURLException.h>`

Inheritance diagram for decaf::net::MalformedURLException:

Public Member Functions

- **MalformedURLException** () throw ()

  Default Constructor.

- **MalformedURLException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **MalformedURLException** (const **MalformedURLException** &ex) throw ()

  Copy Constructor.

- **MalformedURLException** (const char *file, const int lineNumber, const std::exception ***cause**, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **MalformedURLException** (const std::exception ***cause**) throw ()

  Constructor.

- **MalformedURLException** (const char *file, const int lineNumber, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **MalformedURLException** * **clone** () const

  Clones this exception.

- virtual ~**MalformedURLException** () throw ()

6.500.1 Constructor & Destructor Documentation

6.500.1.1 decaf::net::MalformedURLException::MalformedURLException ( ) throw () [inline]

Default Constructor.

6.500.1.2 decaf::net::MalformedURLException::MalformedURLException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.500.1.3 decaf::net::MalformedURLException::MalformedURLException (const MalformedURLException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.500.1.4 decaf::net::MalformedURLException::MalformedURLException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.500.1.5 decaf::net::MalformedURLException::MalformedURLException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.500.1.6 decaf::net::MalformedURLException::MalformedURLException (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.500.1.7 virtual decaf::net::MalformedURLException::~MalformedURLException ( ) throw () [inline, virtual]

6.500.2 Member Function Documentation

6.500.2.1 virtual MalformedURLException* decaf::net::MalformedURLException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new Exception instance that is a copy of this Exception object.

Reimplemented from **decaf::io::IOException** (p. 2212).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**MalformedURLException.h**

6.501 decaf::util::Map< K, V, COMPARATOR > Class Template Reference

Map (p. 2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map.

`#include <src/main/decaf/util/Map.h>`

Inheritance diagram for decaf::util::Map< K, V, COMPARATOR >:

Data Structures

- class **Entry**

Public Member Functions

- **Map** ()

  Default constructor - does nothing.

- virtual ~**Map** ()
- virtual bool **equals** (const **Map** &source) const =0

  Comparison, equality is dependent on the method of determining if the element are equal.

- virtual void **copy** (const **Map** &source)=0

  Copies the content of the source map into this map.

- virtual void **clear** ()=0 throw (decaf::lang::exceptions::UnsupportedOperationException)

  Removes all keys and values from this map.

- virtual bool **containsKey** (const K &key) const =0

  Indicates whether or this map contains a value for the given key.

- virtual bool **containsValue** (const V &value) const =0

  Indicates whether or this map contains a value for the given value, i.e.

- virtual bool **isEmpty** () const =0
- virtual std::size_t **size** () const =0
- virtual V & **get** (const K &key)=0 throw (lang::exceptions::NoSuchElementException)

  *Gets the value mapped to the specified key in the **Map** (p. 2538).*

- virtual const V & **get** (const K &key) const =0 throw (lang::exceptions::NoSuchElementException)

  *Gets the value mapped to the specified key in the **Map** (p. 2538).*

- virtual void **put** (const K &key, const V &value)=0 throw (decaf::lang::exceptions::UnsupportedOperationException)

  Sets the value for the specified key.

- virtual void **putAll** (const **Map**< K, V, COMPARATOR > &other)=0 throw (decaf::lang::exceptions::UnsupportedOperationException)

  *Stores a copy of the Mappings contained in the other **Map** (p. 2538) in this one.*

- virtual V **remove** (const K &key)=0 throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException)

  Removes the value (key/value pair) for the specified key from the map, returns a copy of the value that was mapped to the key.

- virtual std::vector< K > **keySet** () const =0

  *Returns a **Set** (p. 3538) view of the mappings contained in this map.*

- virtual std::vector< V > **values** () const =0

6.501.1 Detailed Description

template<typename K, typename V, typename COMPARATOR = std::less<K>> class decaf::util::Map< K, V, COMPARATOR >

Map (p. 2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map.

6.501.2 Constructor & Destructor Documentation

6.501.2.1 template<typename K, typename V, typename COMPARATOR = std::less<K>> decaf::util::Map< K, V, COMPARATOR >::Map ( ) [inline]

Default constructor - does nothing.

6.501.2.2 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual decaf::util::Map< K, V, COMPARATOR >::~Map ( ) [inline, virtual]

6.501.3 Member Function Documentation

6.501.3.1 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::Map< K, V, COMPARATOR >::clear ( ) throw (decaf::lang::exceptions::UnsupportedOperationException) [pure virtual]

Removes all keys and values from this map.

Exceptions

UnsupportedOperationException	if this map is unmodifiable.

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1270), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3713), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1270), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1270), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1270), **decaf::util::concurrent::ConcurrentStlMap< Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1270), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1270), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1270), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3713), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3713), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3713), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3713), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3713), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3713), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3713), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3713), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3713), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3713), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3713), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3713), and **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3713).

6.501.3.2 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::Map< K, V, COMPARATOR >::containsKey (const K & *key*) const [pure virtual]

Indicates whether or this map contains a value for the given key.

Parameters

key	The key to look up.

Returns

true if this map contains the value, otherwise false.

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1271), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3714), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1271), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1271), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1271), **decaf::util::concurrent::ConcurrentStlMap< Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1271), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1271), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1271), **decaf::util::StlMap<**

cms::Session ∗, SessionResolver ∗ > (p. 3714), **decaf::util::StlMap< std::string, WireFormatFactory ∗ >** (p. 3714), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3714), **decaf::util::StlMap< std::string, cms::Queue ∗ >** (p. 3714), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer ∗, commands::ProducerId::COMPARATOR >** (p. 3714), **decaf::util::StlMap< std::string, CachedConsumer ∗ >** (p. 3714), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer ∗, commands::ConsumerId::COMPARATOR >** (p. 3714), **decaf::util::StlMap< std::string, TransportFactory ∗ >** (p. 3714), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3714), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3714), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher ∗, commands::ConsumerId::COMPARATOR >** (p. 3714), **decaf::util::StlMap< std::string, CachedProducer ∗ >** (p. 3714), and **decaf::util::StlMap< std::string, cms::Topic ∗ >** (p. 3714).

6.501.3.3 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::Map< K, V, COMPARATOR >::containsValue (const V & *value*) const [pure virtual]

Indicates whether or this map contains a value for the given value, i.e.

they are equal, this is done by operator== so the types must pass equivalence testing in this manner.

Parameters

value	The Value to look up.

Returns

true if this map contains the value, otherwise false.

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1271), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3714), **decaf::util::concurrent::Concu Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1271), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1271), **decaf::util::concurrent::ConcurrentStlM Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1271), **decaf::util::concurrent::ConcurrentStlMap< Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1271), **decaf::util::concurrent::ConcurrentStl Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1271), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1271), **decaf::util::StlMap< cms::Session ∗, SessionResolver ∗ >** (p. 3714), **decaf::util::StlMap< std::string, WireFormatFactory ∗ >** (p. 3714), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3714), **decaf::util::StlMap< std::string, cms::Queue ∗ >** (p. 3714), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer ∗, commands::ProducerId::COMPARATOR >** (p. 3714), **decaf::util::StlMap< std::string, CachedConsumer ∗ >** (p. 3714), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer ∗, commands::ConsumerId::COMPARATOR >** (p. 3714), **decaf::util::StlMap< std::string, TransportFactory ∗ >** (p. 3714), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR**

> (p. 3714), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3714), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3714), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3714), and **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3714).

6.501.3.4 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::Map< K, V, COMPARATOR >::copy (const Map< K, V, COMPARATOR > & *source*) [pure virtual]

Copies the content of the source map into this map.

Erases all existing data in this map.

Parameters

source	The source object to copy from.

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1272), and **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3714).

6.501.3.5 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::Map< K, V, COMPARATOR >::equals (const Map< K, V, COMPARATOR > & *source*) const [pure virtual]

Comparison, equality is dependent on the method of determining if the element are equal.

Parameters

source	- **Map** (p. 2538) to compare to this one.

Returns

true if the **Map** (p. 2538) passed is equal in value to this one.

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1272), and **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3715).

6.501.3.6 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual V& decaf::util::Map< K, V, COMPARATOR >::get (const K & *key*) throw (lang::exceptions::NoSuchElementException) [pure virtual]

Gets the value mapped to the specified key in the **Map** (p. 2538).

If there is no element in the map whose key is equivalent to the key provided then a NoSuchElementException is thrown.

Parameters

key	The search key.

Returns

A reference to the value for the given key.

Exceptions

NoSuchElementException	if the key requests doesn't exist in the **Map** (p. 2538).

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1272), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3715), **decaf::util::concurrent::Concu Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1272), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1272), **decaf::util::concurrent::ConcurrentStlM Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1272), **decaf::util::concurrent::ConcurrentStlMap< Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1272), **decaf::util::concurrent::ConcurrentStl Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1272), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1272), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3715), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3715), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3715), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3715), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3715), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3715), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3715), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3715), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3715), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3715), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3715), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3715), and **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3715).

Referenced by decaf::util::StlMap< std::string, cms::Topic * >::equals(), and decaf::util::concurrent::Concurrent Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::equals().

6.501.3.7 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual const V& decaf::util::Map< K, V, COMPARATOR >::get (const K & *key*) const throw (lang::exceptions::NoSuchElementException) [pure virtual]

Gets the value mapped to the specified key in the **Map** (p. 2538).

If there is no element in the map whose key is equivalent to the key provided then a NoSuchElementException is thrown.

Parameters

key	The search key.

Returns

A {const} reference to the value for the given key.

Exceptions

NoSuchElementException	if the key requests doesn't exist in the **Map** (p. 2538).

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1273), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3716), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1273), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1273), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1273), **decaf::util::concurrent::ConcurrentStlMap< Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1273), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1273), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1273), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3716), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3716), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3716), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3716), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3716), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3716), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3716), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3716), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3716), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3716), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3716), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3716), and **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3716).

6.501.3.8 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::Map< K, V, COMPARATOR >::isEmpty ( ) const [pure virtual]

Returns

if the **Map** (p. 2538) contains any element or not, TRUE or FALSE

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1273), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3716), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1273), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1273), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1273), **decaf::util::concurrent::ConcurrentStlMap< Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1273), **decaf::util::concurrent::ConcurrentStlMap<**

Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR > (p. 1273), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR** > (p. 1273), **decaf::util::StlMap< cms::Session ∗, SessionResolver ∗ >** (p. 3716), **decaf::util::StlMap< std::string, WireFormatFactory ∗ >** (p. 3716), **decaf::util::StlMap< std::string, PrimitiveValueNode** > (p. 3716), **decaf::util::StlMap< std::string, cms::Queue ∗ >** (p. 3716), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer ∗, commands::ProducerId::COMPARATOR** > (p. 3716), **decaf::util::StlMap< std::string, CachedConsumer ∗ >** (p. 3716), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer ∗, commands::ConsumerId::COMPARATOR** > (p. 3716), **decaf::util::StlMap< std::string, TransportFactory ∗ >** (p. 3716), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR** > (p. 3716), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3716), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher ∗, commands::ConsumerId::COMPARATOR** > (p. 3716), **decaf::util::StlMap< std::string, CachedProducer ∗ >** (p. 3716), and **decaf::util::StlMap< std::string, cms::Topic ∗ >** (p. 3716).

6.501.3.9 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual std::vector<K> decaf::util::Map< K, V, COMPARATOR >::keySet ( ) const [pure virtual]

Returns a **Set** (p. 3538) view of the mappings contained in this map.

The set is backed by the map, so changes to the map are reflected in the set, and vice-versa. If the map is modified while an iteration over the set is in progress (except through the iterator's own remove operation, or through the setValue operation on a map entry returned by the iterator) the results of the iteration are undefined. The set supports element removal, which removes the corresponding mapping from the map, via the **Iterator.remove** (p. 2223), **Set.remove** (p. 168), removeAll, retainAll and clear operations. It does not support the add or addAll operations.

Returns

the entire set of keys in this map as a std::vector.

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR** > (p. 1273), **decaf::util::StlMap< K, V, COMPARATOR** > (p. 3716), **decaf::util::concurrent::Concu**
Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR > (p. 1273), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR** > (p. 1273), **decaf::util::concurrent::ConcurrentStlM**
Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR > (p. 1273), **decaf::util::concurrent::ConcurrentStlMap< Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR** > (p. 1273), **decaf::util::concurrent::ConcurrentStl**
Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR > (p. 1273), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR** > (p. 1273), **decaf::util::StlMap< cms::Session ∗, SessionResolver ∗ >** (p. 3716), **decaf::util::StlMap< std::string, WireFormatFactory ∗ >** (p. 3716), **decaf::util::StlMap< std::string, PrimitiveValueNode** > (p. 3716), **decaf::util::StlMap< std::string, cms::Queue ∗ >** (p. 3716), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer ∗,**

commands::ProducerId::COMPARATOR > (p. 3716), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3716), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3716), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3716), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3716), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3716), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3716), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3716), and **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3716).

Referenced by decaf::util::StlMap< std::string, cms::Topic * >::equals(), and decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::equals().

6.501.3.10 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::Map< K, V, COMPARATOR >::put (const K & *key*, const V & *value*) throw (decaf::lang::exceptions::UnsupportedOperationException) [pure virtual]

Sets the value for the specified key.

Parameters

key	The target key.
value	The value to be set.

Exceptions

UnsupportedOperationException	if this map is unmodifiable.

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1275), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3718), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1275), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1275), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1275), **decaf::util::concurrent::ConcurrentStlMap< Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1275), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1275), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1275), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3718), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3718), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3718), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3718), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3718), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3718), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3718), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3718), **decaf::util::StlMap<**

Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR > (p. 3718), decaf::util::StlMap< int, Pointer< Command > > (p. 3718), decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR > (p. 3718), decaf::util::StlMap< std::string, CachedProducer * > (p. 3718), and decaf::util::StlMap< std::string, cms::Topic * > (p. 3718).

6.501.3.11 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::Map< K, V, COMPARATOR >::putAll (const Map< K, V, COMPARATOR > & *other*) throw (decaf::lang::exceptions::UnsupportedOperationException) [pure virtual]

Stores a copy of the Mappings contained in the other **Map** (p. 2538) in this one.

Parameters

other	A **Map** (p. 2538) instance whose elements are to all be inserted in this **Map** (p. 2538).

Exceptions

UnsupportedOperationException	If the implementing class does not support the putAll operation.

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR > (p. 1276), decaf::util::StlMap< K, V, COMPARATOR > (p. 3718), decaf::util::concurrent::Concu Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR > (p. 1276), decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR > (p. 1276), decaf::util::concurrent::ConcurrentStlM Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR > (p. 1276), decaf::util::concurrent::ConcurrentStlMap< Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR > (p. 1276), decaf::util::concurrent::ConcurrentStl Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR > (p. 1276), decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR > (p. 1276), decaf::util::StlMap< cms::Session *, SessionResolver * > (p. 3718), decaf::util::StlMap< std::string, WireFormatFactory * > (p. 3718), decaf::util::StlMap< std::string, PrimitiveValueNode > (p. 3718), decaf::util::StlMap< std::string, cms::Queue * > (p. 3718), decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR > (p. 3718), decaf::util::StlMap< std::string, CachedConsumer * > (p. 3718), decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR > (p. 3718), decaf::util::StlMap< std::string, TransportFactory * > (p. 3718), decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR > (p. 3718), decaf::util::StlMap< int, Pointer< Command > > (p. 3718), decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR > (p. 3718), decaf::util::StlMap< std::string, CachedProducer * > (p. 3718), and decaf::util::StlMap< std::string, cms::Topic * > (p. 3718).**

6.501.3.12 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual V decaf::util::Map< K, V, COMPARATOR >::remove (const K & *key*) throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException) [pure virtual]

Removes the value (key/value pair) for the specified key from the map, returns a copy of the value that was mapped to the key.

Parameters

key	The search key.

Returns

a copy of the element that was previously mapped to the given key

Exceptions

NoSuchElementException	if this key is not in the **Map** (p. 2538).
UnsupportedOperationException	if this map is unmodifiable.

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1278), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3719), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1278), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1278), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1278), **decaf::util::concurrent::ConcurrentStlMap< Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1278), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1278), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1278), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3719), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3719), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3719), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3719), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3719), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3719), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3719), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3719), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3719), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3719), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3719), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3719), and **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3719).

6.501.3.13 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual std::size_t decaf::util::Map< K, V, COMPARATOR >::size ( ) const [pure virtual]

Returns

The number of elements (key/value pairs) in this map.

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1279), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3719), **decaf::util::concurrent::Concu Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1279), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1279), **decaf::util::concurrent::ConcurrentStlM Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1279), **decaf::util::concurrent::ConcurrentStlMap< Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1279), **decaf::util::concurrent::ConcurrentStl Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1279), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1279), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3719), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3719), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3719), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3719), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3719), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3719), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3719), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3719), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3719), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3719), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3719), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3719), and **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3719).

6.501.3.14 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual std::vector<V> decaf::util::Map< K, V, COMPARATOR >::values ( ) const [pure virtual]

Returns

the entire set of values in this map as a std::vector.

Implemented in **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1280), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3720), **decaf::util::concurrent::Concu Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::ConcurrentStlM Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::ConcurrentStlMap< Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::ConcurrentStl Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR**

> (p. 1280), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1280), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3720), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3720), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3720), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3720), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3720), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3720), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3720), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3720), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3720), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3720), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3720), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3720), and **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3720).

The documentation for this class was generated from the following file:

- src/main/decaf/util/**Map.h**

6.502 cms::MapMessage Class Reference

A **MapMessage** (p. 2551) object is used to send a set of name-value pairs.

```
#include <src/main/cms/MapMessage.h>
```

Inheritance diagram for cms::MapMessage:

Public Member Functions

- virtual ~**MapMessage** ()
- virtual std::vector< std::string > **getMapNames** () const =0 throw (CMSException)

  *Returns an Enumeration of all the names in the **MapMessage** (p. 2551) object.*

- virtual bool **itemExists** (const std::string &name) const =0 throw (CMSException)

  *Indicates whether an item exists in this **MapMessage** (p. 2551) object.*

- virtual bool **getBoolean** (const std::string &name) const =0 throw (cms::MessageFormatException, cms::CMSException)

  Returns the Boolean value of the Specified name.

- virtual void **setBoolean** (const std::string &name, bool value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a boolean value with the specified name into the Map.

- virtual unsigned char **getByte** (const std::string &name) const =0 throw (cms::MessageFormatException, cms::CMSException)

  Returns the Byte value of the Specified name.

- virtual void **setByte** (const std::string &name, unsigned char value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a Byte value with the specified name into the Map.

- virtual std::vector< unsigned char > **getBytes** (const std::string &name) const =0 throw (cms::MessageFormatException, cms::CMSException)

  Returns the Bytes value of the Specified name.

- virtual void **setBytes** (const std::string &name, const std::vector< unsigned char > &value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a Bytes value with the specified name into the Map.

- virtual char **getChar** (const std::string &name) const =0 throw (cms::MessageFormatException, cms::CMSException)

  Returns the Char value of the Specified name.

- virtual void **setChar** (const std::string &name, char value)=0 throw (cms::MessageNotWriteableExceptior cms::CMSException)

  Sets a Char value with the specified name into the Map.

- virtual double **getDouble** (const std::string &name) const =0 throw (cms::MessageFormatException, cms::CMSException)

  Returns the Double value of the Specified name.

- virtual void **setDouble** (const std::string &name, double value)=0 throw (cms::MessageNotWriteableExce cms::CMSException)

  Sets a Double value with the specified name into the Map.

- virtual float **getFloat** (const std::string &name) const =0 throw (cms::MessageFormatException, cms::CMSException)

  Returns the Float value of the Specified name.

- virtual void **setFloat** (const std::string &name, float value)=0 throw (cms::MessageNotWriteableExceptior cms::CMSException)

  Sets a Float value with the specified name into the Map.

- virtual int **getInt** (const std::string &name) const =0 throw (cms::MessageFormatException, cms::CMSException)

  Returns the Int value of the Specified name.

- virtual void **setInt** (const std::string &name, int value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a Int value with the specified name into the Map.

- virtual long long **getLong** (const std::string &name) const =0 throw (cms::MessageFormatException, cms::CMSException)

  Returns the Long value of the Specified name.

- virtual void **setLong** (const std::string &name, long long value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a Long value with the specified name into the Map.

- virtual short **getShort** (const std::string &name) const =0 throw (cms::MessageFormatException, cms::CMSException)

  Returns the Short value of the Specified name.

- virtual void **setShort** (const std::string &name, short value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a Short value with the specified name into the Map.

- virtual std::string **getString** (const std::string &name) const =0 throw (cms::MessageFormatException, cms::CMSException)

  Returns the String value of the Specified name.

- virtual void **setString** (const std::string &name, const std::string &value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets a String value with the specified name into the Map.

6.502.1 Detailed Description

A **MapMessage** (p. 2551) object is used to send a set of name-value pairs. The names are String objects, and the values are primitive data types in the Java programming language. The names must have a value that is not null, and not an empty string. The entries can be accessed sequentially or randomly by name. The order of the entries is undefined. **MapMessage** (p. 2551) inherits from the **Message** (p. 2614) interface and adds a message body that contains a Map.

When a client receives a **MapMessage** (p. 2551), it is in read-only mode. If a client attempts to write to the message at this point, a **MessageNotWriteableException** (p. 2808) is thrown. To place the **MapMessage** (p. 2551) back into a state where it can be read from and written to, call the `clearBody` method.

MapMessage (p. 2551) objects support the following conversion table. The marked cases must be supported. The unmarked cases must throw a **CMSException** (p. 1190). The String-to-primitive conversions may throw a **MessageFormatException** (p. 2749) if the primitive's valueOf() method does not accept it as a valid String representation of the primitive.

A value written as the row type can be read as the column type.

```
|        | boolean byte short char int long float double String byte[]
|-----------------------------------------------------------------------
|boolean |    X                                                  X
|byte    |          X     X         X   X                       X
|short   |                X         X   X                       X
|char    |                     X                                X
|int     |                          X   X                       X
|long    |                              X                       X
|float   |                                     X     X          X
|double  |                                           X          X
|String  |    X     X     X         X   X     X     X          X
|byte[]  |                                                                X
|-----------------------------------------------------------------------
```

Since

1.0

6.502.2 Constructor & Destructor Documentation

6.502.2.1 virtual cms::MapMessage::~MapMessage ( ) [inline, virtual]

6.502.3 Member Function Documentation

6.502.3.1 virtual bool cms::MapMessage::getBoolean (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [pure virtual]

Returns the Boolean value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException *(p. 1190)*	- if the operation fails due to an internal error.
MessageFormatExceptio	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 355).

6.502.3.2 virtual unsigned char cms::MapMessage::getByte (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [pure virtual]

Returns the Byte value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 355).

6.502.3.3 virtual std::vector<unsigned char> cms::MapMessage::getBytes (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [pure virtual]

Returns the Bytes value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 356).

6.502.3.4 virtual char cms::MapMessage::getChar (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [pure virtual]

Returns the Char value of the Specified name.

Parameters

name	name of the value to fetch from the map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 356).

6.502.3.5 virtual double cms::MapMessage::getDouble (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [pure virtual]

Returns the Double value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 357).

6.502.3.6 virtual float cms::MapMessage::getFloat (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [pure virtual]

Returns the Float value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 357).

6.502.3.7 virtual int cms::MapMessage::getInt (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [pure virtual]

Returns the Int value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 357).

6.502.3.8 virtual long long cms::MapMessage::getLong (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [pure virtual]

Returns the Long value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 358).

6.502.3.9 virtual std::vector< std::string > cms::MapMessage::getMapNames ( ) const throw (CMSException) [pure virtual]

Returns an Enumeration of all the names in the **MapMessage** (p. 2551) object.

Returns

STL Vector of String values, each of which is the name of an item in the **MapMessage** (p. 2551)

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 358).

6.502.3.10 virtual short cms::MapMessage::getShort (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [pure virtual]

Returns the Short value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 359).

6.502.3.11 virtual std::string cms::MapMessage::getString (const std::string & *name*) const throw (cms::MessageFormatException, cms::CMSException) [pure virtual]

Returns the String value of the Specified name.

Parameters

name	Name of the value to fetch from the map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 359).

6.502.3.12 virtual bool cms::MapMessage::itemExists (const std::string & *name*) const throw (CMSException) [pure virtual]

Indicates whether an item exists in this **MapMessage** (p. 2551) object.

Parameters

name	String name of the Object in question

Returns

boolean value indicating if the name is in the map

Exceptions

CMSException *(p. 1190)*	- if the operation fails due to an internal error.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 360).

6.502.3.13 virtual void cms::MapMessage::setBoolean (const std::string & *name,* bool *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Sets a boolean value with the specified name into the Map.

Parameters

name	the name of the boolean
value	the boolean value to set in the Map

Exceptions

CMSException *(p. 1190)*	- if the operation fails due to an internal error.
MessageNotWritableException	- if the **Message** (p. 2614) is in Read-only Mode.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 360).

6.502.3.14 virtual void cms::MapMessage::setByte (const std::string & *name,* unsigned char *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Sets a Byte value with the specified name into the Map.

Parameters

name	the name of the Byte
value	the Byte value to set in the Map

Exceptions

CMSException *(p. 1190)*	- if the operation fails due to an internal error.
MessageNotWriteableException *(p. 2808)*	- if the **Message** (p. 2614) is in Read-only Mode.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 360).

6.502.3.15 virtual void cms::MapMessage::setBytes (const std::string & *name*, const std::vector< unsigned char > & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Sets a Bytes value with the specified name into the Map.

Parameters

name	The name of the Bytes
value	The Bytes value to set in the Map

Exceptions

CMSException *(p. 1190)*	- if the operation fails due to an internal error.
MessageNotWriteableException *(p. 2808)*	- if the **Message** (p. 2614) is in Read-only Mode.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 361).

6.502.3.16 virtual void cms::MapMessage::setChar (const std::string & *name*, char *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Sets a Char value with the specified name into the Map.

Parameters

name	the name of the Char
value	the Char value to set in the Map

Exceptions

CMSException *(p. 1190)*	- if the operation fails due to an internal error.
MessageNotWriteableException *(p. 2808)*	- if the **Message** (p. 2614) is in Read-only Mode.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 361).

6.502.3.17 virtual void cms::MapMessage::setDouble (const std::string & *name*, double *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Sets a Double value with the specified name into the Map.

Parameters

name	The name of the Double
value	The Double value to set in the Map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.
MessageNotWriteableException (p. *2808*)	- if the **Message** (p. 2614) is in Read-only Mode.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 362).

6.502.3.18 virtual void cms::MapMessage::setFloat (const std::string & *name*, float *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Sets a Float value with the specified name into the Map.

Parameters

name	The name of the Float
value	The Float value to set in the Map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.
MessageNotWriteableException (p. *2808*)	- if the **Message** (p. 2614) is in Read-only Mode.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 362).

6.502.3.19 virtual void cms::MapMessage::setInt (const std::string & *name*, int *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Sets a Int value with the specified name into the Map.

Parameters

name	The name of the Int
value	The Int value to set in the Map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.
MessageNotWriteableException (p. *2808*)	- if the **Message** (p. 2614) is in Read-only Mode.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 362).

6.502.3.20 virtual void cms::MapMessage::setLong (const std::string & *name*, long long *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Sets a Long value with the specified name into the Map.

Parameters

name	The name of the Long
value	The Long value to set in the Map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.
MessageNotWriteableException (p. *2808*)	- if the **Message** (p. 2614) is in Read-only Mode.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 363).

6.502.3.21 virtual void cms::MapMessage::setShort (const std::string & *name*, short *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Sets a Short value with the specified name into the Map.

Parameters

name	The name of the Short
value	The Short value to set in the Map

Exceptions

CMSException (p. *1190*)	- if the operation fails due to an internal error.

MessageNotWriteableException *(p. 2808)*	- if the **Message** (p. 2614) is in Read-only Mode.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 363).

6.502.3.22 virtual void cms::MapMessage::setString (const std::string & *name*, const std::string & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Sets a String value with the specified name into the Map.

Parameters

name	The name of the String
value	The String value to set in the Map

Exceptions

CMSException *(p. 1190)*	- if the operation fails due to an internal error.
MessageNotWriteableException *(p. 2808)*	- if the **Message** (p. 2614) is in Read-only Mode.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 364).

The documentation for this class was generated from the following file:

- src/main/cms/**MapMessage.h**

6.503 decaf::util::logging::MarkBlockLogger Class Reference

Defines a class that can be used to mark the entry and exit from scoped blocks.

`#include <src/main/decaf/util/logging/MarkBlockLogger.h>`

Public Member Functions

- **MarkBlockLogger** (**Logger** ∗logger, const std::string &blockName)

  Constructor - Marks Block entry.

- virtual ∼**MarkBlockLogger** ()

6.503.1 Detailed Description

Defines a class that can be used to mark the entry and exit from scoped blocks. Create an instance of this class at the start of a scoped block, passing it the logger to use and the name of the block. The block entry and exit will be marked using the scope name, logger to the logger at the MARKBLOCK log level.

6.503.2 Constructor & Destructor Documentation

6.503.2.1 decaf::util::logging::MarkBlockLogger::MarkBlockLogger (Logger * *logger*, const std::string & *blockName*) [inline]

Constructor - Marks Block entry.

Parameters

logger	**Logger** (p. 2461) to use
blockName	Block name

6.503.2.2 virtual decaf::util::logging::MarkBlockLogger::~MarkBlockLogger ( ) [inline, virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**MarkBlockLogger.h**

6.504 activemq::wireformat::MarshalAware Class Reference

`#include <src/main/activemq/wireformat/MarshalAware.h>`

Inheritance diagram for activemq::wireformat::MarshalAware:

Public Member Functions

- virtual ~**MarshalAware** ()
- virtual bool **isMarshalAware** () const =0

  Determine if the class implementing this interface is really wanting to be told about marshaling.

- virtual void **beforeMarshal** (**WireFormat** *wireFormat)=0 throw (decaf::io::IOException)

  Called before marshaling is started to prepare the object to be marshaled.

- virtual void **afterMarshal** (**WireFormat** ∗wireFormat)=0 throw (decaf::io::IOException)

  Called after marshaling is started to cleanup the object being marshaled.

- virtual void **beforeUnmarshal** (**WireFormat** ∗wireFormat)=0 throw (decaf::io::IOException)

  Called before unmarshaling is started to prepare the object to be unmarshaled.

- virtual void **afterUnmarshal** (**WireFormat** ∗wireFormat)=0 throw (decaf::io::IOException)

  Called after unmarshaling is started to cleanup the object being unmarshaled.

- virtual void **setMarshaledForm** (**WireFormat** ∗wireFormat, const std::vector< char > &data)=0

  Called to set the data to this object that will contain the objects marshaled form.

- virtual std::vector< unsigned char > **getMarshaledForm** (**WireFormat** ∗wireFormat)=0

  Called to get the data to this object that will contain the objects marshaled form.

6.504.1 Constructor & Destructor Documentation

6.504.1.1 virtual activemq::wireformat::MarshalAware::∼MarshalAware ( ) [inline, virtual]

6.504.2 Member Function Documentation

6.504.2.1 virtual void activemq::wireformat::MarshalAware::afterMarshal (WireFormat ∗ *wireFormat*) throw (decaf::io::IOException) [pure virtual]

Called after marshaling is started to cleanup the object being marshaled.

Parameters

wireFormat	- the wireformat object to control marshaling

6.504.2.2 virtual void activemq::wireformat::MarshalAware::afterUnmarshal (WireFormat ∗ *wireFormat*) throw (decaf::io::IOException) [pure virtual]

Called after unmarshaling is started to cleanup the object being unmarshaled.

Parameters

wireFormat	- the wireformat object to control unmarshaling

6.504.2.3 virtual void activemq::wireformat::MarshalAware::beforeMarshal (WireFormat * *wireFormat*) throw (decaf::io::IOException) [pure virtual]

Called before marshaling is started to prepare the object to be marshaled.

Parameters

wireFormat	- the wireformat object to control marshaling

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 353), and **activemq::commands::ActiveMQTextMessage** (p. 668).

6.504.2.4 virtual void activemq::wireformat::MarshalAware::beforeUnmarshal (WireFormat * *wireFormat*) throw (decaf::io::IOException) [pure virtual]

Called before unmarshaling is started to prepare the object to be unmarshaled.

Parameters

wireFormat	- the wireformat object to control unmarshaling

6.504.2.5 virtual std::vector<unsigned char> activemq::wireformat::MarshalAware::getMarshaledForm (WireFormat * *wireFormat*) [pure virtual]

Called to get the data to this object that will contain the objects marshaled form.

Parameters

wireFormat	- the wireformat object to control unmarshaling

Returns

buffer that holds the objects data.

6.504.2.6 virtual bool activemq::wireformat::MarshalAware::isMarshalAware ( ) const [pure virtual]

Determine if the class implementing this interface is really wanting to be told about marshaling.

Normally if you didn't want to be marshal aware you just wouldn't implement this interface but since this is C++ and we don't have true interfaces we need a flat inheritance hierarchy, so we always implement this.

Returns

true if this class cares about marshaling.

Implemented in **activemq::commands::ActiveMQMapMessage** (p. 359), **activemq::commands::BaseDataStructure** (p. 840), **activemq::commands::Message** (p. 2607), and **activemq::commands::WireFormatInfo** (p. 4100).

6.504.2.7 virtual void activemq::wireformat::MarshalAware::setMarshaledForm (WireFormat * *wireFormat*, const std::vector< char > & *data*) [pure virtual]

Called to set the data to this object that will contain the objects marshaled form.

Parameters

wireFormat	- the wireformat object to control unmarshaling
data	- vector of object binary data

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/**MarshalAware.h**

6.505 activemq::wireformat::openwire::marshal::v6::MarshallerFactory Class Reference

Used to create marshallers for a specific version of the wire protocol.

`#include <src/main/activemq/wireformat/openwire/marshal/v6/MarshallerFactory.h>`

Public Member Functions

- virtual ~**MarshallerFactory** ()
- virtual void **configure** (**OpenWireFormat** *format)

6.505.1 Detailed Description

Used to create marshallers for a specific version of the wire protocol. NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Groovy scripts in the activemq-openwire-generator module

6.505.2 Constructor & Destructor Documentation

6.505.2.1 virtual activemq::wireformat::openwire::marshal::v6::MarshallerFactory::~MarshallerFactory ( ) [inline, virtual]

6.505.3 Member Function Documentation

6.505.3.1 virtual void activemq::wireformat::openwire::marshal::v6::MarshallerFactory::configure (**OpenWireFormat** * *format*) [virtual]

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**MarshallerFactory.h**

6.506 activemq::wireformat::openwire::marshal::v3::MarshallerFactory Class Reference

Used to create marshallers for a specific version of the wire protocol.

`#include <src/main/activemq/wireformat/openwire/marshal/v3/MarshallerFacto`

Public Member Functions

- virtual ~**MarshallerFactory** ()
- virtual void **configure** (**OpenWireFormat** *format)

6.506.1 Detailed Description

Used to create marshallers for a specific version of the wire protocol. NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Groovy scripts in the activemq-openwire-generator module

6.506.2 Constructor & Destructor Documentation

6.506.2.1 virtual activemq::wireformat::openwire::marshal::v3::MarshallerFactory::~MarshallerFactory ( ) [inline, virtual]

6.506.3 Member Function Documentation

6.506.3.1 virtual void activemq::wireformat::openwire::marshal::v3::MarshallerFactory::configure (**OpenWireFormat** * *format*) [virtual]

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**MarshallerFactory.h**

6.507 activemq::wireformat::openwire::marshal::v4::MarshallerFactory Class Reference

Used to create marshallers for a specific version of the wire protocol.

`#include <src/main/activemq/wireformat/openwire/marshal/v4/MarshallerFactory.h>`

Public Member Functions

- virtual ~**MarshallerFactory** ()
- virtual void **configure** (**OpenWireFormat** *format)

6.507.1 Detailed Description

Used to create marshallers for a specific version of the wire protocol. NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Groovy scripts in the activemq-openwire-generator module

6.507.2 Constructor & Destructor Documentation

6.507.2.1 virtual activemq::wireformat::openwire::marshal::v4::MarshallerFactory::~MarshallerFactory ( ) [inline, virtual]

6.507.3 Member Function Documentation

6.507.3.1 virtual void activemq::wireformat::openwire::marshal::v4::MarshallerFactory::configure (OpenWireFormat * *format*) [virtual]

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**MarshallerFactory.h**

6.508 activemq::wireformat::openwire::marshal::v5::MarshallerFactory Class Reference

Used to create marshallers for a specific version of the wire protocol.

`#include <src/main/activemq/wireformat/openwire/marshal/v5/MarshallerFactory.h>`

Public Member Functions

- virtual ~**MarshallerFactory** ()
- virtual void **configure** (**OpenWireFormat** *format)

6.508.1 Detailed Description

Used to create marshallers for a specific version of the wire protocol. NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Groovy scripts in the activemq-openwire-generator module

6.508.2 Constructor & Destructor Documentation

6.508.2.1 virtual activemq::wireformat::openwire::marshal::v5::MarshallerFactory::~MarshallerFactory ( ) [inline, virtual]

6.508.3 Member Function Documentation

6.508.3.1 virtual void activemq::wireformat::openwire::marshal::v5::MarshallerFactory::configure (**OpenWireFormat** * *format*) [virtual]

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**MarshallerFactory.h**

6.509 activemq::wireformat::openwire::marshal::v1::MarshallerFactory Class Reference

Used to create marshallers for a specific version of the wire protocol.

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/MarshallerFacto
```

Public Member Functions

- virtual ~**MarshallerFactory** ()
- virtual void **configure** (**OpenWireFormat** *format)

6.509.1 Detailed Description

Used to create marshallers for a specific version of the wire protocol. NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Groovy scripts in the activemq-openwire-generator module

6.509.2 Constructor & Destructor Documentation

6.509.2.1 virtual activemq::wireformat::openwire::marshal::v1::MarshallerFactory::~MarshallerFactory ( ) [inline, virtual]

6.509.3 Member Function Documentation

6.509.3.1 virtual void activemq::wireformat::openwire::marshal::v1::MarshallerFactory::configure (OpenWireFormat * *format*) [virtual]

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**MarshallerFactory.h**

6.510 activemq::wireformat::openwire::marshal::v2::MarshallerFactory Class Reference

Used to create marshallers for a specific version of the wire protocol.

`#include <src/main/activemq/wireformat/openwire/marshal/v2/MarshallerFactory.h>`

Public Member Functions

- virtual ~**MarshallerFactory** ()
- virtual void **configure** (**OpenWireFormat** *format)

6.510.1 Detailed Description

Used to create marshallers for a specific version of the wire protocol. NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Groovy scripts in the activemq-openwire-generator module

6.510.2 Constructor & Destructor Documentation

6.510.2.1 virtual activemq::wireformat::openwire::marshal::v2::MarshallerFactory::~MarshallerFactory ( ) [inline, virtual]

6.510.3 Member Function Documentation

6.510.3.1 virtual void activemq::wireformat::openwire::marshal::v2::MarshallerFactory::configure (OpenWireFormat * *format*) [virtual]

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**MarshallerFactory.h**

6.511 activemq::util::MarshallingSupport Class Reference

```
#include <src/main/activemq/util/MarshallingSupport.h>
```

Public Member Functions

- **MarshallingSupport** ()
- virtual ~**MarshallingSupport** ()

Static Public Member Functions

- static void **writeString** (**decaf::io::DataOutputStream** &dataOut, const std::string &value) throw (decaf::io::IOException)

  Write the string object to the given DataOutputStream as Raw bytes, no string encoding is done on this char values in the string.

- static void **writeString16** (**decaf::io::DataOutputStream** &dataOut, const std::string &value) throw (decaf::io::IOException)

  Write the string object to the given DataOutputStream as Raw bytes, no string encoding is done on this char values in the string.

- static void **writeString32** (**decaf::io::DataOutputStream** &dataOut, const std::string &value) throw (decaf::io::IOException)

  Write the string object to the given DataOutputStream as Raw bytes, no string encoding is done on this char values in the string.

- static std::string **readString16** (**decaf::io::DataInputStream** &dataIn) throw (decaf::io::IOException)

  Reads an Openwire encoded string from the provided DataInputStream.

- static std::string **readString32** (**decaf::io::DataInputStream** &dataIn) throw (decaf::io::IOException)

  Reads an Openwire encoded string from the provided DataInputStream.

- static std::string **asciiToModifiedUtf8** (const std::string &asciiString) throw (decaf::io::UTFDataFormatException)

  Given an ASCII String with byte values [0..255] convert the string to a string containing the modified UTF-8 form of that same string.

- static std::string **modifiedUtf8ToAscii** (const std::string modifiedUtf8String) throw (decaf::io::UTFDataFormatException)

  Given a string that contains bytes in the Java Modified UTF-8 format convert that string back into ASCII values from [0..255].

6.511.1 Constructor & Destructor Documentation

6.511.1.1 activemq::util::MarshallingSupport::MarshallingSupport ( )

6.511.1.2 virtual activemq::util::MarshallingSupport::~MarshallingSupport ( ) [virtual]

6.511.2 Member Function Documentation

6.511.2.1 static std::string activemq::util::MarshallingSupport::asciiToModifiedUtf8 (const std::string & *asciiString*) throw (**decaf::io::UTFDataFormatException**) [static]

Given an ASCII String with byte values [0..255] convert the string to a string containing the modified UTF-8 form of that same string.

This allows an ASCII string containing values greater than 127 as well as embedded NULLs to be sent to a Java client.

Parameters

asciiString	The ASCII string to encode as Modified UTF-8

Returns

a string containing the Modified UTF-8 encoded form of the provided string.

Exceptions

UTFDataFormatException	if the length of the encoded string would exceed the size of an signed integer.

6.511.2.2 static std::string activemq::util::MarshallingSupport::modifiedUtf8ToAscii (const std::string *modifiedUtf8String*) throw (**decaf::io::UTFDataFormatException**) [static]

Given a string that contains bytes in the Java Modified UTF-8 format convert that string back into ASCII values from [0..255].

This will handle any string sent from a Java client which contains values within the [0..255] range or has embedded Nulls. Strings that have encoded values greater than 255 will cause an exception to be thrown.

Parameters

modifiedUtf8String	The string to convert from Modified UTF-8 to ASCII.

Returns

the ASCII encoded version of the provided string.

Exceptions

UTFDataFormatException	if the provided string contains invalid data or the character values encoded in the string exceed ASCII value 255.

6.511.2.3 static std::string activemq::util::MarshallingSupport::readString16 (decaf::io::DataInputStream & *dataIn*) throw (decaf::io::IOException) [static]

Reads an Openwire encoded string from the provided DataInputStream.

No string processing is performed by this method, clients that know the data contains UTF-8 encoded content must use one of the utility methods of this class to decode the UTF-8 data.

This version assumes a size prefix of 16bits.

Parameters

dataIn	The DataInputStream to read the String data from.

Returns

the String value.

Exceptions

IOException	if an I/O error occurs while writing the string.

6.511.2.4 static std::string activemq::util::MarshallingSupport::readString32 (decaf::io::DataInputStream & *dataIn*) throw (decaf::io::IOException) [static]

Reads an Openwire encoded string from the provided DataInputStream.

No string processing is performed by this method, clients that know the data contains UTF-8 encoded content must use one of the utility methods of this class to decode the UTF-8 data.

This version assumes a size prefix of 32bits.

Parameters

dataIn	The DataInputStream to read the String data from.

Returns

the String value.

Exceptions

IOException	if an I/O error occurs while writing the string.

6.511.2.5 static void activemq::util::MarshallingSupport::writeString (decaf::io::DataOutputStream & *dataOut,* const std::string & *value*) throw (decaf::io::IOException) [static]

Write the string object to the given DataOutputStream as Raw bytes, no string encoding is done on this char values in the string.

User must encode to Modified UTF-8 as needed.

Parameters

dataOut	The DataOutputStream to write the String data to.
value	Thre String value to write in Openwire form.

Exceptions

IOException	if an I/O error occurs while writing the string.

6.511.2.6 static void activemq::util::MarshallingSupport::writeString16 (decaf::io::DataOutputStream & *dataOut,* const std::string & *value*) throw (decaf::io::IOException) [static]

Write the string object to the given DataOutputStream as Raw bytes, no string encoding is done on this char values in the string.

User must encode to Modified UTF-8 as needed. This method write out only the size as a short and the string data no Openwire Type tag is appended.

Parameters

dataOut	The DataOutputStream to write the String data to.
value	Thre String value to write in Openwire form.

Exceptions

IOException	if an I/O error occurs while writing the string.

6.511.2.7 static void activemq::util::MarshallingSupport::writeString32 (decaf::io::DataOutputStream & *dataOut,* const std::string & *value*) throw (decaf::io::IOException) [static]

Write the string object to the given DataOutputStream as Raw bytes, no string encoding is done on this char values in the string.

User must encode to Modified UTF-8 as needed. This method write out only the size as a int and the string data no Openwire Type tag is appended.

Parameters

dataOut	The DataOutputStream to write the String data to.
value	Thre String value to write in Openwire form.

Exceptions

IOException	if an I/O error occurs while writing the string.

The documentation for this class was generated from the following file:

- src/main/activemq/util/**MarshallingSupport.h**

6.512 decaf::lang::Math Class Reference

The class **Math** (p. 2575) contains methods for performing basic numeric operations such as the elementary exponential, logarithm, square root, and trigonometric functions.

`#include <src/main/decaf/lang/Math.h>`

Public Member Functions

- **Math** ()
- virtual ~**Math** ()

Static Public Member Functions

- static int **abs** (int value)

  Returns the absolute value of an int value.

- static long long **abs** (long long value)

  Returns the absolute value of an long long value.

- static float **abs** (float value)

  Returns the absolute value of a float value.

- static double **abs** (double value)

  Returns the absolute value of a double value.

- static double **sqrt** (double value)

  Returns the arc cosine of an angle, in the range of 0.0 through pi.

- static double **pow** (double base, double exp)

  Returns the value of the first argument raised to the power of the second argument.

- static short **min** (short a, short b)

  Returns the double value that is closest in value to the argument and is equal to a mathematical integer.

- static int **min** (int a, int b)

Returns the smaller of two `int` values.

- static unsigned int **min** (unsigned int a, unsigned int b)

  Returns the smaller of two `unsigned int` values.

- static long long **min** (long long a, long long b)

  Returns the smaller of two `long long` values.

- static float **min** (float a, float b)

  Returns the smaller of two float values.

- static double **min** (double a, double b)

  Returns the smaller of two double values.

- static short **max** (short a, short b)

  Returns the larger of two `short` values.

- static int **max** (int a, int b)

  Returns the larger of two `int` values.

- static long long **max** (long long a, long long b)

  Returns the larger of two `long long` values.

- static float **max** (float a, float b)

  Returns the greater of two float values.

- static double **max** (double a, double b)

  Returns the greater of two double values.

- static double **ceil** (double value)

  Returns the natural logarithm (base e) of a double value.

- static double **floor** (double value)

  Returns the largest (closest to positive infinity) double value that is less than or equal to the argument and is equal to a mathematical integer.

- static int **round** (float value)

  Returns the closest int to the argument.

- static long long **round** (double value)

  Returns the closest long long to the argument.

- static double **random** ()

  Computes the remainder operation on two arguments as prescribed by the IEEE 754 standard.

- static float **signum** (float value)

Returns Euler's number e raised to the power of a double value.

- static double **signum** (double value)

  Returns the signum function of the argument; zero if the argument is zero, 1.0f if the argument is greater than zero, -1.0f if the argument is less than zero.

- static double **toRadians** (double angdeg)

  Returns the measure in radians of the supplied degree angle.

- static double **toDegrees** (double angrad)

  Returns the measure in degrees of the supplied radian angle.

Static Public Attributes

- static const double **E**
- static const double **PI**

6.512.1 Detailed Description

The class **Math** (p. 2575) contains methods for performing basic numeric operations such as the elementary exponential, logarithm, square root, and trigonometric functions.

6.512.2 Constructor & Destructor Documentation

6.512.2.1 decaf::lang::Math::Math ( ) [inline]

6.512.2.2 virtual decaf::lang::Math::~Math ( ) [inline, virtual]

6.512.3 Member Function Documentation

6.512.3.1 static int decaf::lang::Math::abs (int *value*) [inline, static]

Returns the absolute value of an int value.

If the argument is not negative, the argument is returned. If the argument is negative, the negation of the argument is returned.

Parameters

value	- the value to return the abs of

Returns

the value if positive, otherwise the negative of value

6.512.3.2 static long long decaf::lang::Math::abs (long long *value*) [inline, static]

Returns the absolute value of an long long value.

If the argument is not negative, the argument is returned. If the argument is negative, the negation of the argument is returned.

Parameters

value	- the value to return the abs of

Returns

the value if positive, otherwise the negative of value

6.512.3.3 static double decaf::lang::Math::abs (double *value*) [static]

Returns the absolute value of a double value.

If the argument is not negative, the argument is returned. If the argument is negative, the negation of the argument is returned. Special cases:

o If the argument is positive zero or negative zero, the result is positive zero. o If the argument is infinite, the result is positive infinity. o If the argument is NaN, the result is NaN.

In other words, the result is the same as the value of the expression: **Double::longBitsToDouble** (p. 1848)(0x7fffffffffffffffULL & Double::doubleToLongBits(value))

Parameters

value	- the value to return the abs of

Returns

the value if positive, otherwise the negative of value

6.512.3.4 static float decaf::lang::Math::abs (float *value*) [static]

Returns the absolute value of a float value.

If the argument is not negative, the argument is returned. If the argument is negative, the negation of the argument is returned. Special cases:

o If the argument is positive zero or negative zero, the result is positive zero. o If the argument is infinite, the result is positive infinity. o If the argument is NaN, the result is NaN.

In other words, the result is the same as the value of the expression: **Float::intBitsToFloat** (p. 1967)(0x7fffffff & Float::floatToIntBits(value))

Parameters

value	- the value to return the abs of

Returns

the value if positive, otherwise the negative of value

6.512.3.5 static double decaf::lang::Math::ceil (double *value*) [static]

Returns the natural logarithm (base e) of a double value.

Special cases:

o If the argument is NaN or less than zero, then the result is NaN. o If the argument is positive infinity, then the result is positive infinity. o If the argument is positive zero or negative zero, then the result is negative infinity.

Parameters

value	the value to compute the natural log of.

Returns

the natural log of value. Returns the base 10 logarithm of a double value. Special cases:

o If the argument is NaN or less than zero, then the result is NaN. o If the argument is positive infinity, then the result is positive infinity. o If the argument is positive zero or negative zero, then the result is negative infinity. o If the argument is equal to 10n for integer n, then the result is n.

Parameters

value	- the value to operate on

Returns

the long base 10 of value Returns the natural logarithm of the sum of the argument and 1. Note that for small values x, the result of log1p(x) is much closer to the true result of ln(1 + x) than the floating-point evaluation of log(1.0+x).

Special cases:

o If the argument is NaN or less than -1, then the result is NaN. o If the argument is positive infinity, then the result is positive infinity. o If the argument is negative one, then the result is negative infinity. o If the argument is zero, then the result is a zero with the same sign as the argument.

Parameters

value	- the value to operate on

Returns

the the value ln(x + 1), the natural log of x + 1 Returns the smallest (closest to negative infinity) double value that is greater than or equal to the argument and is equal to a mathematical integer. Special cases:

o If the argument value is already equal to a mathematical integer, then the result is the same as the argument. o If the argument is NaN or an infinity or positive zero or negative zero, then the result is the same as the argument. o If the argument value is less than zero but greater than -1.0, then the result is negative zero.

Note that the value of Math.ceil(x) is exactly the value of -Math.floor(-x).

Parameters

value	- the value to find the ceiling of

Returns

the smallest (closest to negative infinity) floating-point value that is greater than or equal to the argument and is equal to a mathematical integer.

6.512.3.6 static double decaf::lang::Math::floor (double *value*) [static]

Returns the largest (closest to positive infinity) double value that is less than or equal to the argument and is equal to a mathematical integer.

Special cases:

o If the argument value is already equal to a mathematical integer, then the result is the same as the argument. o If the argument is NaN or an infinity or positive zero or negative zero, then the result is the same as the argument.

Parameters

value	- the value to find the floor of

Returns

the largest (closest to positive infinity) floating-point value that less than or equal to the argument and is equal to a mathematical integer.

6.512.3.7 static float decaf::lang::Math::max (float *a*, float *b*) [static]

Returns the greater of two float values.

That is, the result is the argument closer to positive infinity. If the arguments have the same value, the result is that same value. If either value is NaN, then the result is NaN. Unlike the numerical comparison operators, this method considers negative zero to be strictly smaller than positive zero. If one argument is positive zero and the other negative zero, the result is positive zero.

Parameters

a	- an argument.
b	- another argument.

Returns

the larger of `a` and `b`.

6.512.3.8 static double decaf::lang::Math::max (double *a*, double *b*) [static]

Returns the greater of two double values.

That is, the result is the argument closer to positive infinity. If the arguments have the same value, the result is that same value. If either value is NaN, then the result is NaN. Unlike the numerical comparison operators, this method considers negative zero to be strictly smaller than positive zero. If one argument is positive zero and the other negative zero, the result is positive zero.

Parameters

a	- an argument.
b	- another argument.

Returns

the larger of `a` and `b`.

6.512.3.9 static short decaf::lang::Math::max (short *a*, short *b*) [inline, static]

Returns the larger of two `short` values.

That is, the result the argument closer to the value of **`Short::MAX_VALUE`** (p. 3548). If the arguments have the same value, the result is that same value.

Parameters

a	- an argument.
b	- another argument.

Returns

the larger of `a` and `b`.

6.512.3.10 static int decaf::lang::Math::max (int *a*, int *b*) [inline, static]

Returns the larger of two `int` values.

That is, the result the argument closer to the value of **`Integer::MAX_VALUE`** (p. 2159). If the arguments have the same value, the result is that same value.

Parameters

a	- an argument.
b	- another argument.

Returns

the larger of `a` and `b`.

6.512.3.11 static long long decaf::lang::Math::max (long long *a*, long long *b*) [inline, static]

Returns the larger of two `long long` values.

That is, the result the argument closer to the value of **`Long::MAX_VALUE`** (p. 2510). If the arguments have the same value, the result is that same value.

Parameters

a	- an argument.
b	- another argument.

Returns

the larger of `a` and `b`.

6.512.3.12 static int decaf::lang::Math::min (int *a*, int *b*) [inline, static]

Returns the smaller of two `int` values.

That is, the result the argument closer to the value of **`Integer::MIN_VALUE`** (p. 2159). If the arguments have the same value, the result is that same value.

Parameters

a	- an argument.
b	- another argument.

Returns

the smaller of `a` and `b`.

6.512.3.13 static unsigned int decaf::lang::Math::min (unsigned int *a*, unsigned int *b*) [inline, static]

Returns the smaller of two `unsigned int` values.

That is, the result the argument closer to the value of **`Integer::MIN_VALUE`** (p. 2159). If the arguments have the same value, the result is that same value.

Parameters

a	- an argument.
b	- another argument.

Returns

the smaller of `a` and `b`.

6.512.3.14 static long long decaf::lang::Math::min (long long *a*, long long *b*) [inline, static]

Returns the smaller of two `long long` values.

That is, the result the argument closer to the value of **`Long::MIN_VALUE`** (p. 2510). If the arguments have the same value, the result is that same value.

Parameters

a	- an argument.
b	- another argument.

Returns

the smaller of `a` and `b`.

6.512.3.15 static float decaf::lang::Math::min (float *a*, float *b*) [static]

Returns the smaller of two float values.

That is, the result is the value closer to negative infinity. If the arguments have the same value, the result is that same value. If either value is NaN, then the result is NaN. Unlike the numerical comparison operators, this method considers negative zero to be strictly smaller than positive zero. If one argument is positive zero and the other is negative zero, the result is negative zero.

Parameters

a	- an argument.
b	- another argument.

Returns

the smaller of `a` and `b`.

6.512.3.16 static double decaf::lang::Math::min (double *a*, double *b*) [static]

Returns the smaller of two double values.

That is, the result is the value closer to negative infinity. If the arguments have the same value, the result is that same value. If either value is NaN, then the result is NaN.

Unlike the numerical comparison operators, this method considers negative zero to be strictly smaller than positive zero. If one argument is positive zero and the other is negative zero, the result is negative zero.

Parameters

a	- an argument.
b	- another argument.

Returns

the smaller of `a` and `b`.

6.512.3.17 static short decaf::lang::Math::min (short *a*, short *b*) [inline, static]

Returns the double value that is closest in value to the argument and is equal to a mathematical integer.

If two double values that are mathematical integers are equally close, the result is the integer value that is even. Special cases:

o If the argument value is already equal to a mathematical integer, then the result is the same as the argument. o If the argument is NaN or an infinity or positive zero or negative zero, then the result is the same as the argument.

Parameters

value	- the value to round to the nearest integer

Returns

the rounded value Returns the smaller of two short values. That is, the result is the argument closer to the value of **`decaf.lang.Short::MIN_VALUE`** (p. `3548`). If the arguments have the same value, the result is that same value.

Parameters

a	- an argument.
b	- another argument.

Returns

the smaller of `a` and `b`.

6.512.3.18 static double decaf::lang::Math::pow (double *base*, double *exp*) [static]

Returns the value of the first argument raised to the power of the second argument.

Special cases:

o If the second argument is positive or negative zero, then the result is 1.0. o If the second argument is 1.0, then the result is the same as the first argument. o If the second

argument is NaN, then the result is NaN. o If the first argument is NaN and the second argument is nonzero, then the result is NaN.

Parameters

base	- the base
exp	- the exponent

Returns

the base raised to the power of exp.

6.512.3.19 static double decaf::lang::Math::random ( ) [static]

Computes the remainder operation on two arguments as prescribed by the IEEE 754 standard.

The remainder value is mathematically equal to f1 - f2 × n, where n is the mathematical integer closest to the exact mathematical value of the quotient f1/f2, and if two mathematical integers are equally close to f1/f2, then n is the integer that is even. If the remainder is zero, its sign is the same as the sign of the first argument. Special cases:

o If either argument is NaN, or the first argument is infinite, or the second argument is positive zero or negative zero, then the result is NaN. o If the first argument is finite and the second argument is infinite, then the result is the same as the first argument.

Parameters

f1	- the dividend.
f2	- the divisor

Returns

the IEEE remainder of value Returns a double value with a positive sign, greater than or equal to 0.0 and less than 1.0. Returned values are chosen pseudorandomly with (approximately) uniform distribution from that range.

When this method is first called, it creates a single new pseudorandom-number generator; This new pseudorandom-number generator is used thereafter for all calls to this method and is used nowhere else.

This method is properly synchronized to allow correct use by more than one thread. However, if many threads need to generate pseudorandom numbers at a great rate, it may reduce contention for each thread to have its own pseudorandom-number generator.

Returns

a pseudorandom double greater than or equal to 0.0 and less than 1.0.

6.512.3.20 static long long decaf::lang::Math::round (double *value*) [static]

Returns the closest long long to the argument.

The result is rounded to an integer by adding 1/2, taking the floor of the result, and casting the result to type long long. In other words, the result is equal to the value of the expression: (long long)**Math.floor** (p. 2580)(a + 0.5d)

o If the argument is NaN, the result is 0. o If the argument is negative infinity or any value less than or equal to the value of **Long::MIN_VALUE** (p. 2510), the result is equal to the value of **Long::MIN_VALUE** (p. 2510). o If the argument is positive infinity or any value greater than or equal to the value of **Long::MAX_VALUE** (p. 2510), the result is equal to the value of **Long::MAX_VALUE** (p. 2510).

Parameters

value	- the value to round

Returns

the value of the argument rounded to the nearest integral value.

6.512.3.21 static int decaf::lang::Math::round (float *value*) [static]

Returns the closest int to the argument.

The result is rounded to an integer by adding 1/2, taking the floor of the result, and casting the result to type int. In other words, the result is equal to the value of the expression: (int)**Math.floor** (p. 2580)(a + 0.5f)

o If the argument is NaN, the result is 0. o If the argument is negative infinity or any value less than or equal to the value of **Integer::MIN_VALUE** (p. 2159), the result is equal to the value of **Integer::MIN_VALUE** (p. 2159). o If the argument is positive infinity or any value greater than or equal to the value of **Integer::MAX_VALUE** (p. 2159), the result is equal to the value of **Integer::MAX_VALUE** (p. 2159).

Parameters

value	- the value to round

Returns

the value of the argument rounded to the nearest integral value.

6.512.3.22 static double decaf::lang::Math::signum (double *value*) [static]

Returns the signum function of the argument; zero if the argument is zero, 1.0f if the argument is greater than zero, -1.0f if the argument is less than zero.

Special Cases:

o If the argument is NaN, then the result is NaN. o If the argument is positive zero or negative zero, then the result is the same as the argument.

Parameters

value	- the floating-point value whose signum is to be returned

Returns

the signum function of the argument

6.512.3.23 static float decaf::lang::Math::signum (float *value*) [static]

Returns Euler's number e raised to the power of a double value.

Special cases:

o If the argument is NaN, the result is NaN. o If the argument is positive infinity, then the result is positive infinity. o If the argument is negative infinity, then the result is positive zero.

Parameters

value	- the exponent to raise e to

Returns

the value e^a, where e is the base of the natural logarithms. Returns e^x - 1. Note that for values of x near 0, the exact sum of expm1(x) + 1 is much closer to the true result of ex than exp(x). Special cases:

o If the argument is NaN, the result is NaN. o If the argument is positive infinity, then the result is positive infinity. o If the argument is negative infinity, then the result is -1.0. o If the argument is zero, then the result is a zero with the same sign as the argument.

Parameters

value	- the value to raise e^x - 1

Returns

the value ex - 1. Returns sqrt(x^2 + y^2) without intermediate overflow or underflow. Special cases:

If either argument is infinite, then the result is positive infinity. If either argument is NaN and neither argument is infinite, then the result is NaN.

Parameters

x	- an argument
y	- another argument

Returns

the sqrt(x^2 + y^2) without intermediate overflow or underflow Returns the signum function of the argument; zero if the argument is zero, 1.0f if the argument is greater than zero, -1.0f if the argument is less than zero. Special Cases:

o If the argument is NaN, then the result is NaN. o If the argument is positive zero or negative zero, then the result is the same as the argument.

Parameters

value	- the floating-point value whose signum is to be returned

Returns

the signum function of the argument

6.512.3.24 static double decaf::lang::Math::sqrt (double *value*) [static]

Returns the arc cosine of an angle, in the range of 0.0 through pi.

Special case:

o If the argument is NaN or its absolute value is greater than 1, then the result is NaN.

Parameters

value	- the value to return the arc cosine of.

Returns

arc cosine of value in radians. Returns the arc sine of an angle, in the range of -pi/2 through pi/2. Special cases:

o If the argument is NaN or its absolute value is greater than 1, then the result is NaN. o If the argument is zero, then the result is a zero with the same sign as the argument.

Parameters

value	- the value to return the arc cosine of.

Returns

arc cosine of value in radians. Returns the arc tangent of an angle, in the range of -pi/2 through pi/2. Special cases:

o If the argument is NaN, then the result is NaN. o If the argument is zero, then the result is a zero with the same sign as the argument.

Parameters

value	- the value to return the arc cosine of.

Returns

arc tangent of value in radians. Converts rectangular coordinates (x, y) to polar (r, theta). This method computes the phase theta by computing an arc tangent of y/x in the range of -pi to pi. Special cases:

o If either argument is NaN, then the result is NaN. o If the first argument is positive zero and the second argument is positive, or the first argument is positive and finite and the second argument is positive infinity, then the result is positive zero. o If the first argument is negative zero and the second argument is positive, or the first argument is negative and finite and the second argument is positive infinity, then the result is negative zero. o If the first argument is positive zero and the second argument is negative, or the first argument is positive and finite and the second argument is negative infinity, then the result is the double value closest to pi. o If the first argument is negative zero and the second argument is negative, or the first argument is negative and finite and the second argument is negative infinity, then the result is the double value closest to -pi. o If the first argument is positive and the second argument is positive zero or negative zero, or the first argument is positive infinity and the second argument is finite, then the result is the double value closest to pi/2. o If the first argument is negative and the second argument is positive zero or negative zero, or the first argument is negative infinity and the second argument is finite, then the result is the double value closest to -pi/2. o If both arguments are positive infinity, then the result is the double value closest to pi/4. o If the first argument is positive infinity and the second argument is negative infinity, then the result is the double value closest to 3∗pi/4. o If the first argument is negative infinity and the second argument is positive infinity, then the result is the double value closest to -pi/4. o If both arguments are negative infinity, then the result is the double value closest to -3∗pi/4.

Parameters

y	- the ordinate coordinate
x	- the abscissa coordinate

Returns

the theta component of the point (r, theta) in polar coordinates that corresponds to the point (x, y) in Cartesian coordinates. Returns the cube root of a double value. For positive finite x, cbrt(-x) == -cbrt(x); that is, the cube root of a negative value is the negative of the cube root of that value's magnitude. Special cases:

o If the argument is NaN, then the result is NaN. o If the argument is infinite, then the result is an infinity with the same sign as the argument. o If the argument is zero, then the result is a zero with the same sign as the argument.

Parameters

value	- the double to compute the cube root of

Returns

the cube root of value Returns the trigonometric cosine of an angle. Special cases:

o If the argument is NaN or an infinity, then the result is NaN.

Parameters

value	- an value in radians

Returns

the cosine of the argument. Returns the hyperbolic cosine of a double value. The hyperbolic cosine of x is defined to be (ex + e-x)/2 where e is Euler's number. Special cases:

o If the argument is NaN, then the result is NaN. o If the argument is infinite, then the result is positive infinity. o If the argument is zero, then the result is 1.0.

Parameters

value	- the number whose hyperbolic cosine is to be found

Returns

the hyperbolic cosine of value Returns the trigonometric sine of an angle. Special case:

o If the argument is NaN or an infinity, then the result is NaN. o If the argument is zero, then the result is a zero with the same sign as the argument.

Parameters

value	- the number whose sin is to be found

Returns

the sine of value Returns the hyperbolic sine of a double value. The hyperbolic sine of x is defined to be (ex - e-x)/2 where e is Euler's number. Special cases:

o If the argument is NaN, then the result is NaN. o If the argument is infinite, then the result is an infinity with the same sign as the argument. o If the argument is zero, then the result is a zero with the same sign as the argument.

Parameters

value	- the number whose hyperbolic sin is to be found

Returns

the hyperbolic sine of value Returns the trigonometric tangent of an angle. Special cases:

o If the argument is NaN or an infinity, then the result is NaN. o If the argument is zero, then the result is a zero with the same sign as the argument.

Parameters

value	- the number whose tangent is to be found

Returns

the tangent of value Returns the hyperbolic tangent of a double value. The hyperbolic tangent of x is defined to be (ex - e-x)/(ex + e-x), in other words, sinh(x)/cosh(x). Note that the absolute value of the exact tanh is always less than 1. Special cases:

o If the argument is NaN, then the result is NaN. o If the argument is zero, then the result is a zero with the same sign as the argument. o If the argument is positive infinity, then the result is +1.0. o If the argument is negative infinity, then the result is -1.0.

Parameters

value	- the number whose hyperbolic tangent is to be found

Returns

the hyperbolic cosine of value Returns the correctly rounded positive square root of a double value. Special cases:

o If the argument is NaN or less than zero, then the result is NaN. o If the argument is positive infinity, then the result is positive infinity. o If the argument is positive zero or negative zero, then the result is the same as the argument.

Otherwise, the result is the double value closest to the true mathematical square root of the argument value.

Parameters

value	- the value to find the square root of
the	square root of the argument.

6.512.3.25 static double decaf::lang::Math::toDegrees (double *angrad*) [inline, static]

Returns the measure in degrees of the supplied radian angle.

Parameters

angrad	- an angle in radians

Returns

the degree measure of the angle.

6.512.3.26 static double decaf::lang::Math::toRadians (double *angdeg*) [inline, static]

Returns the measure in radians of the supplied degree angle.

Parameters

angdeg	- an angle in degrees

Returns

the radian measure of the angle.

6.512.4 Field Documentation

6.512.4.1 const double decaf::lang::Math::E [static]

6.512.4.2 const double decaf::lang::Math::PI [static]

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Math.h**

6.513 activemq::util::MemoryUsage Class Reference

`#include <src/main/activemq/util/MemoryUsage.h>`

Inheritance diagram for activemq::util::MemoryUsage:

Public Member Functions

- **MemoryUsage** ()

  Default Constructor.

- **MemoryUsage** (unsigned long long limit)

  *Creates an instance of an **Usage** (p. 4075) monitor with a set limit.*

- virtual ~**MemoryUsage** ()
- virtual void **waitForSpace** ()

  *Waits forever for more space to be returned to this **Usage** (p. 4075) Manager.*

- virtual void **waitForSpace** (unsigned int timeout)

  *Waits for more space to be returned to this **Usage** (p. 4075) Manager, times out when the given time span in milliseconds elapses.*

- virtual void **enqueueUsage** (unsigned long long value)

  Tries to increase the usage by value amount but blocks if this object is currently full.

- virtual void **increaseUsage** (unsigned long long value)

  Increases the usage by the value amount.

- virtual void **decreaseUsage** (unsigned long long value)

  Decreases the usage by the value amount.

- virtual bool **isFull** () const

  *Returns true if this **Usage** (p. 4075) instance is full, i.e.*

- unsigned long long **getUsage** () const

  Gets the current usage amount.

- void **setUsage** (unsigned long long usage)

  Sets the current usage amount.

- unsigned long long **getLimit** () const

  Gets the current limit amount.

- void **setLimit** (unsigned long long limit)

  Sets the current limit amount.

6.513.1 Constructor & Destructor Documentation

6.513.1.1 activemq::util::MemoryUsage::MemoryUsage ( )

Default Constructor.

6.513.1.2 activemq::util::MemoryUsage::MemoryUsage (unsigned long long *limit*)

Creates an instance of an **Usage** (p. 4075) monitor with a set limit.

Parameters

limit	- amount of memory this manager allows.

6.513.1.3 virtual activemq::util::MemoryUsage::~MemoryUsage ( ) [virtual]

6.513.2 Member Function Documentation

6.513.2.1 virtual void activemq::util::MemoryUsage::decreaseUsage (unsigned long long *value*) [virtual]

Decreases the usage by the value amount.

Parameters

value	Amount of space to return to the pool

Implements **activemq::util::Usage** (p. 4076).

6.513.2.2 virtual void activemq::util::MemoryUsage::enqueueUsage (unsigned long long *value*) [inline, virtual]

Tries to increase the usage by value amount but blocks if this object is currently full.

Parameters

value	Amount of usage in bytes to add.

Implements **activemq::util::Usage** (p. 4076).

6.513.2.3 unsigned long long activemq::util::MemoryUsage::getLimit ( ) const [inline]

Gets the current limit amount.

Returns

the amount that can be used before full.

6.513.2.4 unsigned long long activemq::util::MemoryUsage::getUsage ( ) const [inline]

Gets the current usage amount.

Returns

the amount of bytes currently used.

6.513.2.5 virtual void activemq::util::MemoryUsage::increaseUsage (unsigned long long *value*) [virtual]

Increases the usage by the value amount.

Parameters

value	Amount of usage to add.

Implements **activemq::util::Usage** (p. 4077).

6.513.2.6 virtual bool activemq::util::MemoryUsage::isFull ( ) const [virtual]

Returns true if this **Usage** (p. 4075) instance is full, i.e.

Usage (p. 4075) >= 100%

Implements **activemq::util::Usage** (p. 4077).

6.513.2.7 void activemq::util::MemoryUsage::setLimit (unsigned long long *limit*) [inline]

Sets the current limit amount.

Parameters

limit	- The amount that can be used before full.

6.513.2.8 void activemq::util::MemoryUsage::setUsage (unsigned long long *usage*) [inline]

Sets the current usage amount.

Parameters

usage	- The amount to tag as used.

6.513.2.9 virtual void activemq::util::MemoryUsage::waitForSpace ( ) [virtual]

Waits forever for more space to be returned to this **Usage** (p. 4075) Manager.

Implements **activemq::util::Usage** (p. 4077).

6.513.2.10 virtual void activemq::util::MemoryUsage::waitForSpace (unsigned int *timeout*) [virtual]

Waits for more space to be returned to this **Usage** (p. 4075) Manager, times out when the given time span in milliseconds elapses.

Parameters

timeout	The time to wait for more space.

Implements **activemq::util::Usage** (p. 4077).

The documentation for this class was generated from the following file:

- src/main/activemq/util/**MemoryUsage.h**

6.514 activemq::commands::Message Class Reference

`#include <src/main/activemq/commands/Message.h>`

Inheritance diagram for activemq::commands::Message:

Public Member Functions

- **Message** ()
- virtual ∼**Message** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **Message** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual void **beforeMarshal** (**wireformat::WireFormat** ∗wireFormat AMQCPP_-UNUSED) throw (decaf::io::IOException)

  Handles the marshaling of the objects properties into the internal byte array before the object is marshaled to the wire.

- virtual void **afterUnmarshal** (**wireformat::WireFormat** ∗wireFormat AMQCPP_-UNUSED) throw (decaf::io::IOException)

  Called after unmarshaling is started to cleanup the object being unmarshaled.

- virtual bool **isMarshalAware** () const

Indicates that this command is aware of Marshaling, and needs to have its Marshaling methods invoked.

- virtual void **setAckHandler** (const **Pointer**< **core::ActiveMQAckHandler** > &handler)

  *Sets the Acknowledgment Handler that this **Message** (p. 2596) will use when the Acknowledge method is called.*

- virtual **Pointer**< **core::ActiveMQAckHandler** > **getAckHandler** () const

  *Gets the Acknowledgment Handler that this **Message** (p. 2596) will use when the Acknowledge method is called.*

- void **setConnection** (**core::ActiveMQConnection** ∗**connection**)

  *Sets the ActiveMQConnection instance that this **Command** (p. 1227) was created from when the session create methods are called to create a **Message** (p. 2596).*

- **core::ActiveMQConnection** ∗ **getConnection** () const

  *Gets the ActiveMQConnection instance that this **Command** (p. 1227) was created from when the session create methods are called to create a **Message** (p. 2596).*

- virtual unsigned int **getSize** () const

  Returns the Size of this message in Bytes.

- virtual bool **isExpired** () const

  Returns if this message has expired, meaning that its Expiration time has elapsed.

- virtual void **onSend** ()

  *Allows derived **Message** (p. 2596) classes to perform tasks before a message is sent.*

- **util::PrimitiveMap** & **getMessageProperties** ()

  Gets a reference to the Message's Properties object, allows the derived classes to get and set their own specific properties.

- const **util::PrimitiveMap** & **getMessageProperties** () const
- bool **isReadOnlyProperties** () const

  *Returns if the **Message** (p. 2596) Properties Are Read Only.*

- void **setReadOnlyProperties** (bool value)

  *Set the Read Only State of the **Message** (p. 2596) Properties.*

- bool **isReadOnlyBody** () const

  *Returns if the **Message** (p. 2596) Body is Read Only.*

- void **setReadOnlyBody** (bool value)

  *Set the Read Only State of the **Message** (p. 2596) Content.*

- virtual const **Pointer**< **ProducerId** > & **getProducerId** () const

- virtual **Pointer**< **ProducerId** > & **getProducerId** ()
- virtual void **setProducerId** (const **Pointer**< **ProducerId** > &**producerId**)
- virtual const **Pointer**< **ActiveMQDestination** > & **getDestination** () const
- virtual **Pointer**< **ActiveMQDestination** > & **getDestination** ()
- virtual void **setDestination** (const **Pointer**< **ActiveMQDestination** > &**destination**)
- virtual const **Pointer**< **TransactionId** > & **getTransactionId** () const
- virtual **Pointer**< **TransactionId** > & **getTransactionId** ()
- virtual void **setTransactionId** (const **Pointer**< **TransactionId** > &**transactionId**)
- virtual const **Pointer**< **ActiveMQDestination** > & **getOriginalDestination** () const
- virtual **Pointer**< **ActiveMQDestination** > & **getOriginalDestination** ()
- virtual void **setOriginalDestination** (const **Pointer**< **ActiveMQDestination** > &**originalDestination**)
- virtual const **Pointer**< **MessageId** > & **getMessageId** () const
- virtual **Pointer**< **MessageId** > & **getMessageId** ()
- virtual void **setMessageId** (const **Pointer**< **MessageId** > &**messageId**)
- virtual const **Pointer**< **TransactionId** > & **getOriginalTransactionId** () const
- virtual **Pointer**< **TransactionId** > & **getOriginalTransactionId** ()
- virtual void **setOriginalTransactionId** (const **Pointer**< **TransactionId** > &**originalTransactionId**)
- virtual const std::string & **getGroupID** () const
- virtual std::string & **getGroupID** ()
- virtual void **setGroupID** (const std::string &**groupID**)
- virtual int **getGroupSequence** () const
- virtual void **setGroupSequence** (int **groupSequence**)
- virtual const std::string & **getCorrelationId** () const
- virtual std::string & **getCorrelationId** ()
- virtual void **setCorrelationId** (const std::string &**correlationId**)
- virtual bool **isPersistent** () const
- virtual void **setPersistent** (bool **persistent**)
- virtual long long **getExpiration** () const
- virtual void **setExpiration** (long long **expiration**)
- virtual unsigned char **getPriority** () const
- virtual void **setPriority** (unsigned char **priority**)
- virtual const **Pointer**< **ActiveMQDestination** > & **getReplyTo** () const
- virtual **Pointer**< **ActiveMQDestination** > & **getReplyTo** ()
- virtual void **setReplyTo** (const **Pointer**< **ActiveMQDestination** > &**replyTo**)
- virtual long long **getTimestamp** () const
- virtual void **setTimestamp** (long long **timestamp**)
- virtual const std::string & **getType** () const
- virtual std::string & **getType** ()
- virtual void **setType** (const std::string &**type**)
- virtual const std::vector< unsigned char > & **getContent** () const
- virtual std::vector< unsigned char > & **getContent** ()
- virtual void **setContent** (const std::vector< unsigned char > &**content**)

- virtual const std::vector< unsigned char > & **getMarshalledProperties** () const
- virtual std::vector< unsigned char > & **getMarshalledProperties** ()
- virtual void **setMarshalledProperties** (const std::vector< unsigned char > &**marshalledProperties**)
- virtual const **Pointer**< **DataStructure** > & **getDataStructure** () const
- virtual **Pointer**< **DataStructure** > & **getDataStructure** ()
- virtual void **setDataStructure** (const **Pointer**< **DataStructure** > &**dataStructure**)
- virtual const **Pointer**< **ConsumerId** > & **getTargetConsumerId** () const
- virtual **Pointer**< **ConsumerId** > & **getTargetConsumerId** ()
- virtual void **setTargetConsumerId** (const **Pointer**< **ConsumerId** > &**targetConsumerId**)
- virtual bool **isCompressed** () const
- virtual void **setCompressed** (bool **compressed**)
- virtual int **getRedeliveryCounter** () const
- virtual void **setRedeliveryCounter** (int **redeliveryCounter**)
- virtual const std::vector< **decaf::lang::Pointer**< **BrokerId** > > & **getBrokerPath** () const
- virtual std::vector< **decaf::lang::Pointer**< **BrokerId** > > & **getBrokerPath** ()
- virtual void **setBrokerPath** (const std::vector< **decaf::lang::Pointer**< **BrokerId** > > &**brokerPath**)
- virtual long long **getArrival** () const
- virtual void **setArrival** (long long **arrival**)
- virtual const std::string & **getUserID** () const
- virtual std::string & **getUserID** ()
- virtual void **setUserID** (const std::string &**userID**)
- virtual bool **isRecievedByDFBridge** () const
- virtual void **setRecievedByDFBridge** (bool **recievedByDFBridge**)
- virtual bool **isDroppable** () const
- virtual void **setDroppable** (bool **droppable**)
- virtual const std::vector< **decaf::lang::Pointer**< **BrokerId** > > & **getCluster** () const
- virtual std::vector< **decaf::lang::Pointer**< **BrokerId** > > & **getCluster** ()
- virtual void **setCluster** (const std::vector< **decaf::lang::Pointer**< **BrokerId** > > &**cluster**)
- virtual long long **getBrokerInTime** () const
- virtual void **setBrokerInTime** (long long **brokerInTime**)
- virtual long long **getBrokerOutTime** () const
- virtual void **setBrokerOutTime** (long long **brokerOutTime**)
- virtual bool **isMessage** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_MESSAGE** = 0

Protected Attributes

- **core::ActiveMQConnection** ∗ **connection**
- **Pointer**< **ProducerId** > **producerId**
- **Pointer**< **ActiveMQDestination** > **destination**
- **Pointer**< **TransactionId** > **transactionId**
- **Pointer**< **ActiveMQDestination** > **originalDestination**
- **Pointer**< **MessageId** > **messageId**
- **Pointer**< **TransactionId** > **originalTransactionId**
- std::string **groupID**
- int **groupSequence**
- std::string **correlationId**
- bool **persistent**
- long long **expiration**
- unsigned char **priority**
- **Pointer**< **ActiveMQDestination** > **replyTo**
- long long **timestamp**
- std::string **type**
- std::vector< unsigned char > **content**
- std::vector< unsigned char > **marshalledProperties**
- **Pointer**< **DataStructure** > **dataStructure**
- **Pointer**< **ConsumerId** > **targetConsumerId**
- bool **compressed**
- int **redeliveryCounter**
- std::vector< **decaf::lang::Pointer**< **BrokerId** > > **brokerPath**
- long long **arrival**
- std::string **userID**
- bool **recievedByDFBridge**
- bool **droppable**
- std::vector< **decaf::lang::Pointer**< **BrokerId** > > **cluster**
- long long **brokerInTime**
- long long **brokerOutTime**

Static Protected Attributes

- static const unsigned int **DEFAULT_MESSAGE_SIZE** = 1024

6.514.1 Constructor & Destructor Documentation

6.514.1.1 activemq::commands::Message::Message ( )

6.514.1.2 virtual activemq::commands::Message::~Message ( ) [virtual]

6.514.2 Member Function Documentation

6.514.2.1 virtual void activemq::commands::Message::afterUnmarshal (wireformat::WireFormat *wireFormat AMQCPP_UNUSED) throw (decaf::io::IOException) [virtual]

Called after unmarshaling is started to cleanup the object being unmarshaled.

Parameters

wireFormat	- the wireformat object to control unmarshaling

Reimplemented from **activemq::commands::BaseDataStructure** (p. 839).

6.514.2.2 virtual void activemq::commands::Message::beforeMarshal (wireformat::WireFormat *wireFormat AMQCPP_UNUSED) throw (decaf::io::IOException) [virtual]

Handles the marshaling of the objects properties into the internal byte array before the object is marshaled to the wire.

Parameters

wireFormat	- the wireformat controller

Reimplemented from **activemq::commands::BaseDataStructure** (p. 839).

6.514.2.3 virtual Message* activemq::commands::Message::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

Reimplemented in **activemq::commands::ActiveMQBlobMessage** (p. 186), **activemq::commands::ActiveM** (p. 219), **activemq::commands::ActiveMQMapMessage** (p. 354), **activemq::commands::ActiveMQMessag** (p. 391), **activemq::commands::ActiveMQObjectMessage** (p. 439), **activemq::commands::ActiveMQStrea** (p. 539), and **activemq::commands::ActiveMQTextMessage** (p. 669).

6.514.2.4 virtual void activemq::commands::Message::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

Reimplemented in **activemq::commands::ActiveMQBlobMessage** (p. 186), **activemq::commands::ActiveMQBytesMess** (p. 219), **activemq::commands::ActiveMQMapMessage** (p. 354), **activemq::commands::ActiveMQMessage** (p. 391), **activemq::commands::ActiveMQObjectMessage** (p. 439), **activemq::commands::ActiveMQStreamMessage** (p. 540), and **activemq::commands::ActiveMQTextMessage** (p. 669).

6.514.2.5 virtual bool activemq::commands::Message::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

Reimplemented in **activemq::commands::ActiveMQBlobMessage** (p. 187), **activemq::commands::ActiveMQBytesMess** (p. 220), **activemq::commands::ActiveMQMapMessage** (p. 355), **activemq::commands::ActiveMQMessage** (p. 392), **activemq::commands::ActiveMQMessageTemplate< T >** (p. 423), **activemq::commands::ActiveMQObjectMessage** (p. 439), **activemq::commands::ActiveMQStreamMessage** (p. 540), **activemq::commands::ActiveMQTextMessage** (p. 669), **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 423), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 423).

6.514.2.6 virtual Pointer<core::ActiveMQAckHandler> activemq::commands::Message::getAckHandler ( ) const [inline, virtual]

Gets the Acknowledgment Handler that this **Message** (p. 2596) will use when the Acknowledge method is called.

Returns

handler ActiveMQAckHandler to call or NULL if not set

6.514.2.7 virtual long long activemq::commands::Message::getArrival ( ) const [virtual]

6.514.2.8 virtual long long activemq::commands::Message::getBrokerInTime ( ) const [virtual]

6.514.2.9 virtual long long activemq::commands::Message::getBrokerOutTime ( ) const [virtual]

6.514.2.10 virtual const std::vector< decaf::lang::Pointer<BrokerId> >& activemq::commands::Message::getBrokerPath ( ) const [virtual]

6.514.2.11 virtual std::vector< decaf::lang::Pointer<BrokerId> >& activemq::commands::Message::getBrokerPath ( ) [virtual]

6.514.2.12 virtual std::vector< decaf::lang::Pointer<BrokerId> >& activemq::commands::Message::getCluster ( ) [virtual]

6.514.2.13 virtual const std::vector< decaf::lang::Pointer<BrokerId> >& activemq::commands::Message::getCluster ( ) const [virtual]

6.514.2.14 core::ActiveMQConnection* activemq::commands::Message::getConnection ( ) const [inline]

Gets the ActiveMQConnection instance that this **Command** (p. 1227) was created from when the session create methods are called to create a **Message** (p. 2596).

Returns

the ActiveMQConnection parent for this **Message** (p. 2596) or NULL if not set.

6.514.2.15 virtual const std::vector<unsigned char>& activemq::commands::Message::getContent ( ) const [virtual]

6.514.2.16 virtual std::vector<unsigned char>& activemq::commands::Message::getContent ( ) [virtual]

6.514.2.17 virtual const std::string& activemq::commands::Message::getCorrelationId ( ) const [virtual]

6.514.2.18 virtual std::string& activemq::commands::Message::getCorrelationId ( ) [virtual]

6.514.2.19 virtual Pointer<DataStructure>& activemq::commands::Message::getDataStructure ( ) [virtual]

6.514.2.20 virtual const Pointer<DataStructure>& activemq::commands::Message::getDataStructure ( ) const [virtual]

6.514.2.21 virtual unsigned char activemq::commands::Message::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

Reimplemented in **activemq::commands::ActiveMQBlobMessage** (p. 187), **activemq::commands::ActiveMQBytesMess** (p. 221), **activemq::commands::ActiveMQMapMessage** (p. 356), **activemq::commands::ActiveMQMessage** (p. 392), **activemq::commands::ActiveMQObjectMessage** (p. 440), **activemq::commands::ActiveMQStreamMessage** (p. 540), and **activemq::commands::ActiveMQTextMessage** (p. 669).

6.514.2.22 virtual const Pointer<ActiveMQDestination>& activemq::commands::Message::getDestination ( ) const [virtual]

6.514.2.23 virtual Pointer<ActiveMQDestination>& activemq::commands::Message::getDestination ( ) [virtual]

6.514.2.24 virtual long long activemq::commands::Message::getExpiration ( ) const [virtual]

6.514.2.25 virtual const std::string& activemq::commands::Message::getGroupID ( ) const [virtual]

6.514.2.26 virtual std::string& activemq::commands::Message::getGroupID ( ) [virtual]

6.514.2.27 virtual int activemq::commands::Message::getGroupSequence ( ) const [virtual]

6.514.2.28 virtual const std::vector<unsigned char>& activemq::commands::Message::getMarshalledProperties ( ) const [virtual]

6.514.2.29 virtual std::vector<unsigned char>& activemq::commands::Message::getMarshalledProperties ( ) [virtual]

6.514.2.30 virtual const Pointer<MessageId>& activemq::commands::Message::getMessageId ( ) const [virtual]

6.514.2.31 virtual Pointer<MessageId>& activemq::commands::Message::getMessageId ( ) [virtual]

6.514.2.32 util::PrimitiveMap& activemq::commands::Message::getMessageProperties ( ) [inline]

Gets a reference to the Message's Properties object, allows the derived classes to get and set their own specific properties.

Returns

a reference to the Primitive Map that holds message properties.

6.514.2.33 const util::PrimitiveMap& activemq::commands::Message::getMessageProperties ( ) const [inline]

6.514.2.34 virtual Pointer<ActiveMQDestination>& activemq::commands::Message::getOriginalDestination ( ) [virtual]

6.514.2.35 virtual const Pointer<ActiveMQDestination>& activemq::commands::Message::getOriginalDestination ( ) const [virtual]

6.514.2.36 virtual const Pointer<TransactionId>& activemq::commands::Message::getOriginalTransactionId ( ) const [virtual]

6.514.2.37 virtual Pointer<TransactionId>& activemq::commands::Message::getOriginalTransactionId ( ) [virtual]

6.514.2.38 virtual unsigned char activemq::commands::Message::getPriority ( ) const [virtual]

6.514.2.39 virtual const Pointer<ProducerId>& activemq::commands::Message::getProducerId ( ) const [virtual]

6.514.2.40 virtual Pointer<ProducerId>& activemq::commands::Message::getProducerId ( ) [virtual]

6.514.2.41 virtual int activemq::commands::Message::getRedeliveryCounter ( ) const [virtual]

6.514.2.42 virtual const Pointer<ActiveMQDestination>& activemq::commands::Message::getReplyTo ( ) const [virtual]

6.514.2.43 virtual Pointer<ActiveMQDestination>& activemq::commands::Message::getReplyTo ( ) [virtual]

6.514.2.44 virtual unsigned int activemq::commands::Message::getSize ( ) const [virtual]

Returns the Size of this message in Bytes.

Returns

number of bytes this message equates to.

Reimplemented in **activemq::commands::ActiveMQTextMessage** (p. 670).

6.514.2.45 virtual const Pointer<ConsumerId>& activemq::commands::Message::getTargetConsumerId ( ) const [virtual]

6.514.2.46 virtual Pointer<ConsumerId>& activemq::commands::Message::getTargetConsumerId ( ) [virtual]

6.514.2.47 virtual long long activemq::commands::Message::getTimestamp ( ) const [virtual]

6.514.2.48 virtual const Pointer<TransactionId>& activemq::commands::Message::getTransactionId ( ) const [virtual]

6.514.2.49 virtual Pointer<TransactionId>& activemq::commands::Message::getTransactionId ( ) [virtual]

6.514.2.50 virtual const std::string& activemq::commands::Message::getType ( ) const [virtual]

6.514.2.51 virtual std::string& activemq::commands::Message::getType ( ) [virtual]

6.514.2.52 virtual const std::string& activemq::commands::Message::getUserID ( ) const [virtual]

6.514.2.53 virtual std::string& activemq::commands::Message::getUserID ( ) [virtual]

6.514.2.54 virtual bool activemq::commands::Message::isCompressed ( ) const [virtual]

6.514.2.55 virtual bool activemq::commands::Message::isDroppable ( ) const [virtual]

6.514.2.56 virtual bool activemq::commands::Message::isExpired ( ) const [virtual]

Returns if this message has expired, meaning that its Expiration time has elapsed.

Returns

true if message is expired.

6.514.2.57 virtual bool activemq::commands::Message::isMarshalAware ( ) const [inline, virtual]

Indicates that this command is aware of Marshaling, and needs to have its Marshaling methods invoked.

Returns

boolean indicating desire to be in marshaling stages

Reimplemented from **activemq::commands::BaseDataStructure** (p. 840).

Reimplemented in **activemq::commands::ActiveMQMapMessage** (p. 359).

6.514.2.58 virtual bool activemq::commands::Message::isMessage ( ) const [inline, virtual]

Returns

an answer of true to the **isMessage()** (p. 2608) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 768).

6.514.2.59 virtual bool activemq::commands::Message::isPersistent ( ) const [virtual]

6.514.2.60 bool activemq::commands::Message::isReadOnlyBody ( ) const [inline]

Returns if the **Message** (p. 2596) Body is Read Only.

Returns

true if **Message** (p. 2596) Content is Read Only.

6.514.2.61 bool activemq::commands::Message::isReadOnlyProperties ( ) const [inline]

Returns if the **Message** (p. 2596) Properties Are Read Only.

Returns

true if **Message** (p. 2596) Properties are Read Only.

6.514.2.62 virtual bool activemq::commands::Message::isRecievedByDFBridge ( ) const [virtual]

6.514.2.63 virtual void activemq::commands::Message::onSend ( ) [inline, virtual]

Allows derived **Message** (p. 2596) classes to perform tasks before a message is sent.

Reimplemented in **activemq::commands::ActiveMQBytesMessage** (p. 221), **activemq::commands::ActiveMQMessageT**
T > (p. 431), **activemq::commands::ActiveMQStreamMessage** (p. 540), **activemq::commands::ActiveMQMessageTem**
cms::BytesMessage > (p. 431), **activemq::commands::ActiveMQMessageTemplate**<
cms::MapMessage > (p. 431), **activemq::commands::ActiveMQMessageTemplate**<
cms::Message > (p. 431), **activemq::commands::ActiveMQMessageTemplate**< **cms::StreamMessage**
> (p. 431), **activemq::commands::ActiveMQMessageTemplate**< **cms::TextMessage**
> (p. 431), and **activemq::commands::ActiveMQMessageTemplate**< **cms::ObjectMessage**
> (p. 431).

6.514.2.64 virtual void activemq::commands::Message::setAckHandler (const Pointer< core::ActiveMQAckHandler > & *handler*) [inline, virtual]

Sets the Acknowledgment Handler that this **Message** (p. 2596) will use when the Acknowledge method is called.

Parameters

handler	ActiveMQAckHandler to call

6.514.2.65 virtual void activemq::commands::Message::setArrival (long long *arrival*) [virtual]

6.514.2.66 virtual void activemq::commands::Message::setBrokerInTime (long long *brokerInTime*) [virtual]

6.514.2.67 virtual void activemq::commands::Message::setBrokerOutTime (long long *brokerOutTime*) [virtual]

6.514.2.68 virtual void activemq::commands::Message::setBrokerPath (const std::vector< decaf::lang::Pointer< BrokerId > > & *brokerPath*) [virtual]

6.514.2.69 virtual void activemq::commands::Message::setCluster (const std::vector< decaf::lang::Pointer< BrokerId > > & *cluster*) [virtual]

6.514.2.70 virtual void activemq::commands::Message::setCompressed (bool *compressed*) [virtual]

6.514.2.71 void activemq::commands::Message::setConnection (core::ActiveMQConnection * *connection*) [inline]

Sets the ActiveMQConnection instance that this **Command** (p. 1227) was created from when the session create methods are called to create a **Message** (p. 2596).

Parameters

handler	ActiveMQConnection parent for this message

6.514.2.72 **virtual void activemq::commands::Message::setContent (const std::vector< unsigned char > & *content*)** [virtual]

6.514.2.73 **virtual void activemq::commands::Message::setCorrelationId (const std::string & *correlationId*)** [virtual]

6.514.2.74 **virtual void activemq::commands::Message::setDataStructure (const Pointer< DataStructure > & *dataStructure*)** [virtual]

6.514.2.75 **virtual void activemq::commands::Message::setDestination (const Pointer< ActiveMQDestination > & *destination*)** [virtual]

6.514.2.76 **virtual void activemq::commands::Message::setDroppable (bool *droppable*)** [virtual]

6.514.2.77 **virtual void activemq::commands::Message::setExpiration (long long *expiration*)** [virtual]

6.514.2.78 **virtual void activemq::commands::Message::setGroupID (const std::string & *groupID*)** [virtual]

6.514.2.79 **virtual void activemq::commands::Message::setGroupSequence (int *groupSequence*)** [virtual]

6.514.2.80 **virtual void activemq::commands::Message::setMarshalledProperties (const std::vector< unsigned char > & *marshalledProperties*)** [virtual]

6.514.2.81 **virtual void activemq::commands::Message::setMessageId (const Pointer< MessageId > & *messageId*)** [virtual]

6.514.2.82 **virtual void activemq::commands::Message::setOriginalDestination (const Pointer< ActiveMQDestination > & *originalDestination*)** [virtual]

6.514.2.83 **virtual void activemq::commands::Message::setOriginalTransactionId (const Pointer< TransactionId > & *originalTransactionId*)** [virtual]

6.514.2.84 **virtual void activemq::commands::Message::setPersistent (bool *persistent*)** [virtual]

6.514.2.85 **virtual void activemq::commands::Message::setPriority (unsigned char *priority*)** [virtual]

6.514.2.86 **virtual void activemq::commands::Message::setProducerId (const Pointer< ProducerId > & *producerId*)** [virtual]

6.514.2.87 **void activemq::commands::Message::setReadOnlyBody (bool *value*)** [inline]

Set the Read Only State of the **Message** (p. 2596) Content.

Parameters

value	- true if Content should be read only.

6.514.2.88 void activemq::commands::Message::setReadOnlyProperties (bool *value*) [inline]

Set the Read Only State of the **Message** (p. 2596) Properties.

Parameters

value	- true if Properties should be read only.

6.514.2.89 virtual void activemq::commands::Message::setRecievedByDFBridge (bool *recievedByDFBridge*) [virtual]

6.514.2.90 virtual void activemq::commands::Message::setRedeliveryCounter (int *redeliveryCounter*) [virtual]

6.514.2.91 virtual void activemq::commands::Message::setReplyTo (const Pointer< ActiveMQDestination > & *replyTo*) [virtual]

6.514.2.92 virtual void activemq::commands::Message::setTargetConsumerId (const Pointer< ConsumerId > & *targetConsumerId*) [virtual]

6.514.2.93 virtual void activemq::commands::Message::setTimestamp (long long *timestamp*) [virtual]

6.514.2.94 virtual void activemq::commands::Message::setTransactionId (const Pointer< TransactionId > & *transactionId*) [virtual]

6.514.2.95 virtual void activemq::commands::Message::setType (const std::string & *type*) [virtual]

6.514.2.96 virtual void activemq::commands::Message::setUserID (const std::string & *userID*) [virtual]

6.514.2.97 virtual std::string activemq::commands::Message::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

Reimplemented in **activemq::commands::ActiveMQBlobMessage** (p. 189), **activemq::commands::ActiveMQBytesMess** (p. 229), **activemq::commands::ActiveMQMapMessage** (p. 364), **activemq::commands::ActiveMQMessage** (p. 392), **activemq::commands::ActiveMQObjectMessage** (p. 440), **activemq::commands::ActiveMQStreamMessage** (p. 547), and **activemq::commands::ActiveMQTextMessage** (p. 671).

6.514.2.98 virtual Pointer<Command> activemq::commands::Message::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.514.3 Field Documentation

6.514.3.1 long long activemq::commands::Message::arrival [protected]

6.514.3.2 long long activemq::commands::Message::brokerInTime [protected]

6.514.3.3 long long activemq::commands::Message::brokerOutTime [protected]

6.514.3.4 std::vector< decaf::lang::Pointer<BrokerId> > activemq::commands::Message::brokerPath [protected]

6.514.3.5 std::vector< decaf::lang::Pointer<BrokerId> > activemq::commands::Message::cluster [protected]

6.514.3.6 bool activemq::commands::Message::compressed [protected]

6.514.3.7 core::ActiveMQConnection* activemq::commands::Message::connection [protected]

6.514.3.8 std::vector<unsigned char> activemq::commands::Message::content [protected]

6.514.3.9 std::string activemq::commands::Message::correlationId [protected]

6.514.3.10 Pointer<DataStructure> activemq::commands::Message::dataStructure [protected]

6.514.3.11 const unsigned int activemq::commands::Message::DEFAULT_MESSAGE_SIZE = 1024 [static, protected]

6.514.3.12 Pointer<ActiveMQDestination> activemq::commands::Message::destination [protected]

6.514.3.13 bool activemq::commands::Message::droppable [protected]

6.514.3.14 long long activemq::commands::Message::expiration [protected]

6.514.3.15 std::string activemq::commands::Message::groupID [protected]

6.514.3.16 int activemq::commands::Message::groupSequence [protected]

6.514.3.17 const unsigned char activemq::commands::Message::ID_MESSAGE = 0 [static]

6.514.3.18 std::vector<unsigned char> activemq::commands::Message::marshalledProperties [protected]

6.514.3.19 Pointer<MessageId> activemq::commands::Message::messageId [protected]

6.514.3.20 Pointer<ActiveMQDestination> activemq::commands::Message::originalDestination

- src/main/activemq/commands/**Message.h**

6.515 cms::Message Class Reference

Root of all messages.

`#include <src/main/cms/Message.h>`

Inheritance diagram for cms::Message:

Public Member Functions

- virtual ~**Message** ()
- virtual **Message** ∗ **clone** () const =0

  Clone this message exactly, returns a new instance that the caller is required to delete.

- virtual void **acknowledge** () const =0 throw (IllegalStateException, CMSException)

  Acknowledges all consumed messages of the session of this consumed message.

- virtual void **clearBody** ()=0 throw (CMSException)

  Clears out the body of the message.

- virtual void **clearProperties** ()=0 throw (CMSException)

  Clears out the message body.

- virtual std::vector< std::string > **getPropertyNames** () const =0 throw (CMSException)

  Retrieves the property names.

- virtual bool **propertyExists** (const std::string &name) const =0 throw (CMSException)

  Indicates whether or not a given property exists.

- virtual bool **getBooleanProperty** (const std::string &name) const =0 throw (MessageFormatException, CMSException)

  Gets a boolean property.

- virtual unsigned char **getByteProperty** (const std::string &name) const =0 throw (MessageFormatException, CMSException)

  Gets a byte property.

- virtual double **getDoubleProperty** (const std::string &name) const =0 throw (MessageFormatException, CMSException)

Gets a double property.

- virtual float **getFloatProperty** (const std::string &name) const =0 throw (MessageFormatException, CMSException)

  Gets a float property.

- virtual int **getIntProperty** (const std::string &name) const =0 throw (MessageFormatException, CMSException)

  Gets a int property.

- virtual long long **getLongProperty** (const std::string &name) const =0 throw (MessageFormatException, CMSException)

  Gets a long property.

- virtual short **getShortProperty** (const std::string &name) const =0 throw (MessageFormatException, CMSException)

  Gets a short property.

- virtual std::string **getStringProperty** (const std::string &name) const =0 throw (MessageFormatException, CMSException)

  Gets a string property.

- virtual void **setBooleanProperty** (const std::string &name, bool value)=0 throw (MessageNotWriteableException, CMSException)

  Sets a boolean property.

- virtual void **setByteProperty** (const std::string &name, unsigned char value)=0 throw (MessageNotWriteableException, CMSException)

  Sets a byte property.

- virtual void **setDoubleProperty** (const std::string &name, double value)=0 throw (MessageNotWriteableException, CMSException)

  Sets a double property.

- virtual void **setFloatProperty** (const std::string &name, float value)=0 throw (MessageNotWriteableException, CMSException)

  Sets a float property.

- virtual void **setIntProperty** (const std::string &name, int value)=0 throw (MessageNotWriteableException, CMSException)

  Sets a int property.

- virtual void **setLongProperty** (const std::string &name, long long value)=0 throw (MessageNotWriteableException, CMSException)

  Sets a long property.

- virtual void **setShortProperty** (const std::string &name, short value)=0 throw (MessageNotWriteableException, CMSException)

  Sets a short property.

- virtual void **setStringProperty** (const std::string &name, const std::string &value)=0 throw (MessageNotWriteableException, CMSException)

  Sets a string property.

- virtual std::string **getCMSCorrelationID** () const =0 throw (CMSException)

  Gets the correlation ID for the message.

- virtual void **setCMSCorrelationID** (const std::string &correlationId)=0 throw (CMSException)

  Sets the correlation ID for the message.

- virtual int **getCMSDeliveryMode** () const =0 throw (CMSException)

  *Gets the **DeliveryMode** (p. 1775) for this message.*

- virtual void **setCMSDeliveryMode** (int mode)=0 throw (CMSException)

  *Sets the **DeliveryMode** (p. 1775) for this message.*

- virtual const **Destination** ∗ **getCMSDestination** () const =0 throw (CMSException)

  *Gets the **Destination** (p. 1776) object for this message.*

- virtual void **setCMSDestination** (const **Destination** ∗destination)=0 throw (CMSException)

  *Sets the **Destination** (p. 1776) object for this message.*

- virtual long long **getCMSExpiration** () const =0 throw (CMSException)

  Gets the message's expiration value.

- virtual void **setCMSExpiration** (long long expireTime)=0 throw (CMSException)

  Sets the message's expiration value.

- virtual std::string **getCMSMessageID** () const =0 throw (CMSException)

  The CMSMessageID header field contains a value that uniquely identifies each message sent by a provider.

- virtual void **setCMSMessageID** (const std::string &id)=0 throw (CMSException)

  Sets the message ID.

- virtual int **getCMSPriority** () const =0 throw (CMSException)

  Gets the message priority level.

- virtual void **setCMSPriority** (int priority)=0 throw (CMSException)

  Sets the Priority Value for this message.

- virtual bool **getCMSRedelivered** () const =0 throw (CMSException)

  Gets an indication of whether this message is being redelivered.

- virtual void **setCMSRedelivered** (bool redelivered)=0 throw (CMSException)

  Specifies whether this message is being redelivered.

- virtual const **cms::Destination** ∗ **getCMSReplyTo** () const =0 throw (CMSException)

  *Gets the **Destination** (p. 1776) object to which a reply to this message should be sent.*

- virtual void **setCMSReplyTo** (const **cms::Destination** ∗destination)=0 throw (CMSException)

  *Sets the **Destination** (p. 1776) object to which a reply to this message should be sent.*

- virtual long long **getCMSTimestamp** () const =0 throw (CMSException)

  Gets the message timestamp.

- virtual void **setCMSTimestamp** (long long timeStamp)=0 throw (CMSException)

  Sets the message timestamp.

- virtual std::string **getCMSType** () const =0 throw (CMSException)

  Gets the message type identifier supplied by the client when the message was sent.

- virtual void **setCMSType** (const std::string &type)=0 throw (CMSException)

  Sets the message type.

6.515.1 Detailed Description

Root of all messages. As in JMS, a message is comprised of 3 parts: CMS-specific headers, user-defined properties, and the body.

Message (p. 2614) Bodies

The CMS API defines four types of message bodies, each type is contained within its own **Message** (p. 2614) Interface definition.

- Stream - A **StreamMessage** (p. 3760) object's message body contains a stream of primitive values in the C++ language. It is filled and read sequentially. Unlike the **BytesMessage** (p. 1079) type the values written to a **StreamMessage** (p. 3760) retain information on their type and rules for type conversion are enforced when reading back the values from the **Message** (p. 2614) Body.

- Map - A **MapMessage** (p. 2551) object's message body contains a set of name-value pairs, where names are std::string objects, and values are C++ primitives. The entries can be accessed sequentially or randomly by name. The **MapMessage** (p. 2551) makes no garuntee on the order of the elements within the **Message** (p. 2614) body.

- Text - A **TextMessage** (p. 3874) object's message body contains a std::string object. This message type can be used to transport plain-text messages, and XML messages.

- Bytes - A **BytesMessage** (p. 1079) object's message body contains a stream of uninterpreted bytes. This message type is for literally encoding a body to match an existing message format. In many cases, it is possible to use one of the other body types, which are easier to use.

Message (p. 2614) Properties

Message (p. 2614) properties support the following conversion table. The marked cases must be supported. The unmarked cases must throw a **CMSException** (p. 1190). The String-to-primitive conversions may throw a runtime exception if the primitive's valueOf method does not accept the String as a valid representation of the primitive.

A value written as the row type can be read as the column type.

	boolean	byte	short	int	long	float	double	String
boolean	X							X
byte		X	X	X	X			X
short			X	X	X			X
int				X	X			X
long					X			X
float						X	X	X
double							X	X
String	X	X	X	X	X	X	X	X

When a **Message** (p. 2614) is delivered its properties are considered to be in a read-only mode and cannot be changed. Attempting to change the value of a delivered Message's properties will result in a **CMSException** (p. 1190) being thrown.

See also

JMS API

Since

1.0

6.515.2 Constructor & Destructor Documentation

6.515.2.1 virtual cms::Message::~Message ( ) [inline, virtual]

6.515.3 Member Function Documentation

6.515.3.1 virtual void cms::Message::acknowledge ( ) const throw (IllegalStateException, CMSException) [pure virtual]

Acknowledges all consumed messages of the session of this consumed message.

All consumed CMS messages support the acknowledge method for use when a client has specified that its CMS session's consumed messages are to be explicitly acknowledged. By invoking acknowledge on a consumed message, a client acknowledges all messages consumed by the session that the message was delivered to.

Calls to acknowledge are ignored for both transacted sessions and sessions specified to use implicit acknowledgment modes.

A client may individually acknowledge each message as it is consumed, or it may choose to acknowledge messages as an application-defined group (which is done by calling acknowledge on the last received message of the group, thereby acknowledging all messages consumed by the session.)

Messages that have been received but not acknowledged may be redelivered.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.
IllegalStateException *(p. 2059)*	- if this method is called on a closed session.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 422), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 422), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 422), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 422), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 422), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 422).

6.515.3.2 virtual void cms::Message::clearBody ( ) throw (CMSException) [pure virtual]

Clears out the body of the message.

This does not clear the headers or properties.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQBytesMessage** (p. 219), **activemq::commands::ActiveMQMapMessag** (p. 354), **activemq::commands::ActiveMQStreamMessage** (p. 539), **activemq::commands::ActiveMQTextMessage** (p. 668), **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 422), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 422), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 422), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 422), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 422), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 422).

6.515.3.3 virtual void cms::Message::clearProperties ( ) throw (CMSException) [pure virtual]

Clears out the message body.

Clearing a message's body does not clear its header values or property entries.

If this message body was read-only, calling this method leaves the message body in the same state as an empty body in a newly created message.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 423), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 423).

6.515.3.4 virtual Message* cms::Message::clone ( ) const [pure virtual]

Clone this message exactly, returns a new instance that the caller is required to delete.

Returns

new copy of this message

Implemented in **activemq::commands::ActiveMQBlobMessage** (p. 186), **activemq::commands::ActiveMQBytesMessag** (p. 219), **activemq::commands::ActiveMQMapMessage** (p. 354), **activemq::commands::ActiveMQMessage** (p. 391), **activemq::commands::ActiveMQObjectMessage** (p. 439), **activemq::commands::ActiveMQStreamMessage** (p. 539), **activemq::commands::ActiveMQTextMessage** (p. 668), and **cms::BytesMessage** (p. 1083).

6.515.3.5 virtual bool cms::Message::getBooleanProperty (const std::string & *name*) const throw (MessageFormatException, CMSException) [pure virtual]

Gets a boolean property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException (p. *1190*)	if the property does not exist.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 423), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 423), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 423).

6.515.3.6 virtual unsigned char cms::Message::getByteProperty (const std::string & *name*) const throw (MessageFormatException, CMSException) [pure virtual]

Gets a byte property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException (p. *1190*)	if the property does not exist.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 424), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 424), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 424), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 424), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 424), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 424).

6.515.3.7 virtual std::string cms::Message::getCMSCorrelationID ( ) const throw (CMSException) [pure virtual]

Gets the correlation ID for the message.

This method is used to return correlation ID values that are either provider-specific message IDs or application-specific String values.

Returns

string representation of the correlation Id

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 424), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 424), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 424), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 424), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 424), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 424).

6.515.3.8 virtual int cms::Message::getCMSDeliveryMode ( ) const throw (CMSException) [pure virtual]

Gets the **DeliveryMode** (p. 1775) for this message.

Returns

DeliveryMode (p. 1775) enumerated value.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 425), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage**

> (p. 425), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 425), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 425), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 425), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 425).

6.515.3.9 virtual const Destination* cms::Message::getCMSDestination ( ) const throw (CMSException) [pure virtual]

Gets the **Destination** (p. 1776) object for this message.

The CMSDestination header field contains the destination to which the message is being sent.

When a message is sent, this field is ignored. After completion of the send or publish method, the field holds the destination specified by the method.

When a message is received, its CMSDestination value must be equivalent to the value assigned when it was sent.

Returns

Destination (p. 1776) object

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 425), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 425), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 425), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 425), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 425), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 425).

6.515.3.10 virtual long long cms::Message::getCMSExpiration ( ) const throw (CMSException) [pure virtual]

Gets the message's expiration value.

When a message is sent, the CMSExpiration header field is left unassigned. After completion of the send or publish method, it holds the expiration time of the message. This is the sum of the time-to-live value specified by the client and the GMT at the time of the send or publish.

If the time-to-live is specified as zero, CMSExpiration is set to zero to indicate that the message does not expire.

When a message's expiration time is reached, a provider should discard it. The CMS API does not define any form of notification of message expiration.

Clients should not receive messages that have expired; however, the CMS API does not guarantee that this will not happen.

Returns

the time the message expires, which is the sum of the time-to-live value specified by the client and the GMT at the time of the send

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 425), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 425), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 425), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 425), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 425), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 425).

6.515.3.11 virtual std::string cms::Message::getCMSMessageID ( ) const throw (CMSException) [pure virtual]

The CMSMessageID header field contains a value that uniquely identifies each message sent by a provider.

When a message is sent, CMSMessageID can be ignored. When the send or publish method returns, it contains a provider-assigned value.

A CMSMessageID is a String value that should function as a unique key for identifying messages in a historical repository. The exact scope of uniqueness is provider-defined. It should at least cover all messages for a specific installation of a provider, where an installation is some connected set of message routers.

All CMSMessageID values must start with the prefix 'ID:'. Uniqueness of message ID values across different providers is not required.

Since message IDs take some effort to create and increase a message's size, some CMS providers may be able to optimize message overhead if they are given a hint that the message ID is not used by an application. By calling the **MessageProducer.setDisableMessageID** (p. 2816) method, a CMS client enables this potential optimization for all messages sent by that message producer. If the CMS provider accepts this hint, these messages must have the message ID set to null; if the provider ignores the hint, the message ID must be set to its normal unique value.

Returns

provider-assigned message id

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 426), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 426), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 426), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 426), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 426), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 426).

6.515.3.12 virtual int cms::Message::getCMSPriority ( ) const throw (CMSException) [pure virtual]

Gets the message priority level.

The CMS API defines ten levels of priority value, with 0 as the lowest priority and 9 as the highest. In addition, clients should consider priorities 0-4 as gradations of normal priority and priorities 5-9 as gradations of expedited priority.

The CMS API does not require that a provider strictly implement priority ordering of messages; however, it should do its best to deliver expedited messages ahead of normal messages.

Returns

priority value

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 426), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 426), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 426), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 426), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 426), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 426).

6.515.3.13 virtual bool cms::Message::getCMSRedelivered ( ) const throw (CMSException) [pure virtual]

Gets an indication of whether this message is being redelivered.

If a client receives a message with the CMSRedelivered field set, it is likely, but not guaranteed, that this message was delivered earlier but that its receipt was not acknowledged at that time.

Returns

true if this message is being redelivered

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 426), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 426), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 426), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 426), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 426), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 426).

6.515.3.14 virtual const cms::Destination* cms::Message::getCMSReplyTo ( ) const throw (CMSException) [pure virtual]

Gets the **Destination** (p. 1776) object to which a reply to this message should be sent.

Returns

Destination (p. 1776) to which to send a response to this message

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 427), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 427), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 427), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 427), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 427), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 427).

6.515.3.15 virtual long long cms::Message::getCMSTimestamp ( ) const throw (CMSException) [pure virtual]

Gets the message timestamp.

The CMSTimestamp header field contains the time a message was handed off to a provider to be sent. It is not the time the message was actually transmitted, because the actual send may occur later due to transactions or other client-side queuing of messages.

When a message is sent, CMSTimestamp is ignored. When the send or publish method

returns, it contains a time value somewhere in the interval between the call and the return. The value is in the format of a normal millis time value in the Java programming language.

Since timestamps take some effort to create and increase a message's size, some CMS providers may be able to optimize message overhead if they are given a hint that the timestamp is not used by an application. By calling the MessageProducer.setDisableMessageTimestamp method, a CMS client enables this potential optimization for all messages sent by that message producer. If the CMS provider accepts this hint, these messages must have the timestamp set to zero; if the provider ignores the hint, the timestamp must be set to its normal value.

Returns

the message timestamp

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 427), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 427), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 427), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 427), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 427), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 427).

6.515.3.16 virtual std::string cms::Message::getCMSType ( ) const throw (CMSException) [pure virtual]

Gets the message type identifier supplied by the client when the message was sent.

Returns

the message type

See also

setCMSType (p. 2638)

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 427), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 427), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 427), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage**

> (p. 427), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage > (p. 427)**, and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage > (p. 427)**.

6.515.3.17 virtual double cms::Message::getDoubleProperty (const std::string & *name*) const throw (MessageFormatException, CMSException) [pure virtual]

Gets a double property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException *(p. 1190)*	if the property does not exist.
MessageFormatException *(p. 2749)*	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage > (p. 428)**, **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage > (p. 428)**, **activemq::commands::ActiveMQMessageTemplate< cms::Message > (p. 428)**, **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage > (p. 428)**, **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage > (p. 428)**, and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage > (p. 428)**.

6.515.3.18 virtual float cms::Message::getFloatProperty (const std::string & *name*) const throw (MessageFormatException, CMSException) [pure virtual]

Gets a float property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException *(p. 1190)*	if the property does not exist.

MessageFormatException *(p. 2749)*	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 428), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 428), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 428), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 428), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 428), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 428).

6.515.3.19 virtual int cms::Message::getIntProperty (const std::string & *name*) const throw (MessageFormatException, CMSException) [pure virtual]

Gets a int property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException *(p. 1190)*	if the property does not exist.
MessageFormatException *(p. 2749)*	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 429), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 429), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 429), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 429), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 429), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 429).

6.515.3.20 virtual long long cms::Message::getLongProperty (const std::string & *name*) const throw (MessageFormatException, CMSException) [pure virtual]

Gets a long property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException (p. *1190*)	if the property does not exist.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 429), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 429), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 429), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 429), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 429), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 429).

6.515.3.21 virtual std::vector<std::string> cms::Message::getPropertyNames ( ) const throw (CMSException) [pure virtual]

Retrieves the property names.

Returns

The complete set of property names currently in this message.

Exceptions

CMSException (p. *1190*)	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 430), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 430), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 430), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 430), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 430), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 430).

6.515.3.22 virtual short cms::Message::getShortProperty (const std::string & *name*) const throw (MessageFormatException, CMSException) [pure virtual]

Gets a short property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException (p. *1190*)	if the property does not exist.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 430), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 430), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 430), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 430), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 430), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 430).

6.515.3.23 virtual std::string cms::Message::getStringProperty (const std::string & *name*) const throw (MessageFormatException, CMSException) [pure virtual]

Gets a string property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

Exceptions

CMSException (p. *1190*)	if the property does not exist.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 430), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 430), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 430), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 430), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 430), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 430).

6.515.3.24 virtual bool cms::Message::propertyExists (const std::string & *name*) const throw (CMSException) [pure virtual]

Indicates whether or not a given property exists.

Parameters

name	The name of the property to look up.

Returns

True if the property exists in this message.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 431), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 431), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 431), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 431), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 431), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 431).

6.515.3.25 virtual void cms::Message::setBooleanProperty (const std::string & *name*, bool *value*) throw (MessageNotWriteableException, CMSException) [pure virtual]

Sets a boolean property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException *(p. 1190)*	- if the name is an empty string.

MessageNotWriteableException *(p. 2808)*	- if properties are read-only

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 431), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 431), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 431), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 431), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 431), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 431).

6.515.3.26 virtual void cms::Message::setByteProperty (const std::string & *name*, unsigned char *value*) throw (MessageNotWriteableException, CMSException) [pure virtual]

Sets a byte property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException *(p. 1190)*	- if the name is an empty string.
MessageNotWriteableException *(p. 2808)*	- if properties are read-only

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 432), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 432), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 432), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 432), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 432), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 432).

6.515.3.27 virtual void cms::Message::setCMSCorrelationID (const std::string & *correlationId*) throw (CMSException) [pure virtual]

Sets the correlation ID for the message.

A client can use the CMSCorrelationID header field to link one message with another. A typical use is to link a response message with its request message.

CMSCorrelationID can hold one of the following:

- A provider-specific message ID
- An application-specific String
- A provider-native byte[] value

Since each message sent by a CMS provider is assigned a message ID value, it is convenient to link messages via message ID. All message ID values must start with the 'ID:' prefix.

In some cases, an application (made up of several clients) needs to use an application-specific value for linking messages. For instance, an application may use CMSCorrelationID to hold a value referencing some external information. Application-specified values must not start with the 'ID:' prefix; this is reserved for provider-generated message ID values.

If a provider supports the native concept of correlation ID, a CMS client may need to assign specific CMSCorrelationID values to match those expected by clients that do not use the CMS API. A byte[] value is used for this purpose. CMS providers without native correlation ID values are not required to support byte[] values. The use of a byte[] value for CMSCorrelationID is non-portable.

Parameters

correlationId	The message ID of a message being referred to.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 432), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 432), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 432), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 432), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 432), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 432).

6.515.3.28 virtual void cms::Message::setCMSDeliveryMode (int *mode*) throw (CMSException) `[pure virtual]`

Sets the **DeliveryMode** (p. 1775) for this message.

CMS providers set this field when a message is sent. This method can be used to change the value for a message that has been received.

Parameters

mode	**DeliveryMode** (p. 1775) enumerated value.

Exceptions

CMSException (p. *1190*)	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 432), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 432), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 432), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 432), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 432), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 432).

6.515.3.29 virtual void cms::Message::setCMSDestination (const Destination * *destination*) throw (CMSException) [pure virtual]

Sets the **Destination** (p. 1776) object for this message.

CMS providers set this field when a message is sent. This method can be used to change the value for a message that has been received.

Parameters

destination	**Destination** (p. 1776) Object

Exceptions

CMSException (p. *1190*)	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 433), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 433), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 433), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 433), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 433), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 433).

6.515.3.30 virtual void cms::Message::setCMSExpiration (long long *expireTime*) throw (CMSException) [pure virtual]

Sets the message's expiration value.

CMS providers set this field when a message is sent. This method can be used to change the value for a message that has been received.

Parameters

expireTime	the message's expiration time

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 433), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 433), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 433), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 433), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 433), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 433).

6.515.3.31 virtual void cms::Message::setCMSMessageID (const std::string & *id*) throw (CMSException) [pure virtual]

Sets the message ID.

CMS providers set this field when a message is sent. This method can be used to change the value for a message that has been received.

Parameters

id	the ID of the message

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

6.515.3.32 virtual void cms::Message::setCMSPriority (int *priority*) throw (CMSException) [pure virtual]

Sets the Priority Value for this message.

CMS providers set this field when a message is sent. This method can be used to change the value for a message that has been received.

Parameters

priority	priority value for this message

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 434), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 434), **activemq::commands::ActiveMQMessageTemplate< cms::Message >**

(p. 434), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 434), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 434), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 434).

6.515.3.33 virtual void cms::Message::setCMSRedelivered (bool *redelivered*) throw (CMSException) [pure virtual]

Specifies whether this message is being redelivered.

This field is set at the time the message is delivered. This method can be used to change the value for a message that has been received.

Parameters

redelivered	boolean redelivered value

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 434), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 434), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 434), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 434), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 434), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 434).

6.515.3.34 virtual void cms::Message::setCMSReplyTo (const cms::Destination * *destination*) throw (CMSException) [pure virtual]

Sets the **Destination** (p. 1776) object to which a reply to this message should be sent.

The CMSReplyTo header field contains the destination where a reply to the current message should be sent. If it is null, no reply is expected. The destination may be either a **Queue** (p. 3238) object or a **Topic** (p. 3930) object.

Messages sent with a null CMSReplyTo value may be a notification of some event, or they may just be some data the sender thinks is of interest.

Messages with a CMSReplyTo value typically expect a response. A response is optional; it is up to the client to decide. These messages are called requests. A message sent in response to a request is called a reply.

In some cases a client may wish to match a request it sent earlier with a reply it has just received. The client can use the CMSCorrelationID header field for this purpose.

Parameters

destination	**Destination** (p. 1776) to which to send a response to this message

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 434), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 434), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 434), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 434), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 434), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 434).

6.515.3.35 virtual void cms::Message::setCMSTimestamp (long long *timeStamp*) throw (CMSException) [pure virtual]

Sets the message timestamp.

CMS providers set this field when a message is sent. This method can be used to change the value for a message that has been received.

Parameters

timeStamp	integer time stamp value

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 435), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 435), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 435), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 435), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 435), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 435).

6.515.3.36 virtual void cms::Message::setCMSType (const std::string & *type*) throw (CMSException) [pure virtual]

Sets the message type.

Some CMS providers use a message repository that contains the definitions of messages sent by applications. The CMSType header field may reference a message's definition in the provider's repository.

The CMS API does not define a standard message definition repository, nor does it define a naming policy for the definitions it contains.

Some messaging systems require that a message type definition for each application

message be created and that each message specify its type. In order to work with such CMS providers, CMS clients should assign a value to CMSType, whether the application makes use of it or not. This ensures that the field is properly set for those providers that require it.

To ensure portability, CMS clients should use symbolic values for CMSType that can be configured at installation time to the values defined in the current provider's message repository. If string literals are used, they may not be valid type names for some CMS providers.

Parameters

type	the message type

See also

getCMSType (p. 2627)

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 435), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 435), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 435), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 435), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 435), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 435).

6.515.3.37 virtual void cms::Message::setDoubleProperty (const std::string & *name*, double *value*) throw (MessageNotWriteableException, CMSException) [pure virtual]

Sets a double property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException *(p. 1190)*	- if the name is an empty string.
MessageNotWriteableException *(p. 2808)*	- if properties are read-only

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 435), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 435), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 435), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 435), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 435), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 435).

6.515.3.38 virtual void cms::Message::setFloatProperty (const std::string & *name*, float *value*) throw (MessageNotWriteableException, CMSException) [pure virtual]

Sets a float property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException *(p. 1190)*	- if the name is an empty string.
MessageNotWriteableException *(p. 2808)*	- if properties are read-only

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 436), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 436), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 436), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 436), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 436), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 436).

6.515.3.39 virtual void cms::Message::setIntProperty (const std::string & *name*, int *value*) throw (MessageNotWriteableException, CMSException) [pure virtual]

Sets a int property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException *(p. 1190)*	- if the name is an empty string.

MessageNotWriteableException *(p. 2808)*	- if properties are read-only

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 436), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 436), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 436), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 436), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 436), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 436).

6.515.3.40 virtual void cms::Message::setLongProperty (const std::string & *name*, long long *value*) throw (MessageNotWriteableException, CMSException) [pure virtual]

Sets a long property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException *(p. 1190)*	- if the name is an empty string.
MessageNotWriteableException *(p. 2808)*	- if properties are read-only

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 436), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 436), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 436), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 436), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 436), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 436).

6.515.3.41 virtual void cms::Message::setShortProperty (const std::string & *name*, short *value*) throw (MessageNotWriteableException, CMSException) [pure virtual]

Sets a short property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException (p. *1190*)	- if the name is an empty string.
MessageNotWriteableException (p. *2808*)	- if properties are read-only

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 437), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 437), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 437), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 437), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 437), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 437).

6.515.3.42 virtual void cms::Message::setStringProperty (const std::string & *name*, const std::string & *value*) throw (MessageNotWriteableException, CMSException) [pure virtual]

Sets a string property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

Exceptions

CMSException (p. *1190*)	- if the name is an empty string.
MessageNotWriteableException (p. *2808*)	- if properties are read-only

Implemented in **activemq::commands::ActiveMQMessageTemplate< cms::BytesMessage >** (p. 437), **activemq::commands::ActiveMQMessageTemplate< cms::MapMessage >** (p. 437), **activemq::commands::ActiveMQMessageTemplate< cms::Message >** (p. 437), **activemq::commands::ActiveMQMessageTemplate< cms::StreamMessage >** (p. 437), **activemq::commands::ActiveMQMessageTemplate< cms::TextMessage >** (p. 437), and **activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >** (p. 437).

The documentation for this class was generated from the following file:

- src/main/cms/**Message.h**

6.516 activemq::commands::MessageAck Class Reference

`#include <src/main/activemq/commands/MessageAck.h>`

Inheritance diagram for activemq::commands::MessageAck:

Public Member Functions

- **MessageAck** ()
- virtual ∼**MessageAck** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **MessageAck** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **ActiveMQDestination** > & **getDestination** () const
- virtual **Pointer**< **ActiveMQDestination** > & **getDestination** ()
- virtual void **setDestination** (const **Pointer**< **ActiveMQDestination** > &**destination**)
- virtual const **Pointer**< **TransactionId** > & **getTransactionId** () const
- virtual **Pointer**< **TransactionId** > & **getTransactionId** ()
- virtual void **setTransactionId** (const **Pointer**< **TransactionId** > &**transactionId**)
- virtual const **Pointer**< **ConsumerId** > & **getConsumerId** () const
- virtual **Pointer**< **ConsumerId** > & **getConsumerId** ()
- virtual void **setConsumerId** (const **Pointer**< **ConsumerId** > &**consumerId**)
- virtual unsigned char **getAckType** () const
- virtual void **setAckType** (unsigned char **ackType**)
- virtual const **Pointer**< **MessageId** > & **getFirstMessageId** () const
- virtual **Pointer**< **MessageId** > & **getFirstMessageId** ()
- virtual void **setFirstMessageId** (const **Pointer**< **MessageId** > &**firstMessageId**)

- virtual const **Pointer**< **MessageId** > & **getLastMessageId** () const
- virtual **Pointer**< **MessageId** > & **getLastMessageId** ()
- virtual void **setLastMessageId** (const **Pointer**< **MessageId** > &**lastMessageId**)
- virtual int **getMessageCount** () const
- virtual void **setMessageCount** (int **messageCount**)
- virtual bool **isMessageAck** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_MESSAGEACK** = 22

Protected Attributes

- **Pointer**< **ActiveMQDestination** > **destination**
- **Pointer**< **TransactionId** > **transactionId**
- **Pointer**< **ConsumerId** > **consumerId**
- unsigned char **ackType**
- **Pointer**< **MessageId** > **firstMessageId**
- **Pointer**< **MessageId** > **lastMessageId**
- int **messageCount**

6.516.1 Constructor & Destructor Documentation

6.516.1.1 activemq::commands::MessageAck::MessageAck ( )

6.516.1.2 virtual activemq::commands::MessageAck::~MessageAck ( ) [virtual]

6.516.2 Member Function Documentation

6.516.2.1 virtual MessageAck* activemq::commands::MessageAck::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.516.2.2 virtual void activemq::commands::MessageAck::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.516.2.3 virtual bool activemq::commands::MessageAck::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.516.2.4 virtual unsigned char activemq::commands::MessageAck::getAckType ( ) const [virtual]

6.516.2.5 virtual const Pointer<ConsumerId>& activemq::commands::MessageAck::getConsumerId ( ) const [virtual]

6.516.2.6 virtual Pointer<ConsumerId>& activemq::commands::MessageAck::getConsumerId ( ) [virtual]

6.516.2.7 virtual unsigned char activemq::commands::MessageAck::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.516.2.8 virtual const Pointer<ActiveMQDestination>& activemq::commands::MessageAck::getDestination ( ) const [virtual]

6.516.2.9 virtual Pointer<ActiveMQDestination>& activemq::commands::MessageAck::getDestination ( ) [virtual]

6.516.2.10 virtual const Pointer<MessageId>& activemq::commands::MessageAck::getFirstMessageId ( ) const [virtual]

6.516.2.11 virtual Pointer<MessageId>& activemq::commands::MessageAck::getFirstMessageId ( ) [virtual]

6.516.2.12 virtual const Pointer<MessageId>& activemq::commands::MessageAck::getLastMessageId ( ) const [virtual]

6.516.2.13 virtual Pointer<MessageId>& activemq::commands::MessageAck::getLastMessageId ( ) [virtual]

6.516.2.14 virtual int activemq::commands::MessageAck::getMessageCount ( ) const [virtual]

6.516.2.15 virtual const Pointer<TransactionId>& activemq::commands::MessageAck::getTransactionId ( ) const [virtual]

6.516.2.16 virtual Pointer<TransactionId>& activemq::commands::MessageAck::getTransactionId ( ) [virtual]

6.516.2.17 virtual bool activemq::commands::MessageAck::isMessageAck ( ) const [inline, virtual]

Returns

an answer of true to the **isMessageAck()** (p. 2646) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 768).

6.516.2.18 virtual void activemq::commands::MessageAck::setAckType (unsigned char *ackType*) [virtual]

6.516.2.19 virtual void activemq::commands::MessageAck::setConsumerId (const Pointer< ConsumerId > & *consumerId*) [virtual]

6.516.2.20 virtual void activemq::commands::MessageAck::setDestination (const Pointer< ActiveMQDestination > & *destination*) [virtual]

6.516.2.21 virtual void activemq::commands::MessageAck::setFirstMessageId (const Pointer< MessageId > & *firstMessageId*) [virtual]

6.516.2.22 virtual void activemq::commands::MessageAck::setLastMessageId (const Pointer< MessageId > & *lastMessageId*) [virtual]

6.516.2.23 virtual void activemq::commands::MessageAck::setMessageCount (int *messageCount*) [virtual]

6.516.2.24 virtual void activemq::commands::MessageAck::setTransactionId (const Pointer< TransactionId > & *transactionId*) [virtual]

6.516.2.25 virtual std::string activemq::commands::MessageAck::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.516.2.26 virtual Pointer<Command> activemq::commands::MessageAck::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.516.3 Field Documentation

6.516.3.1 unsigned char activemq::commands::MessageAck::ackType [protected]

6.516.3.2 Pointer<ConsumerId> activemq::commands::MessageAck::consumerId [protected]

6.516.3.3 Pointer<ActiveMQDestination> activemq::commands::MessageAck::destination [protected]

6.516.3.4 Pointer<MessageId> activemq::commands::MessageAck::firstMessageId [protected]

6.516.3.5 const unsigned char activemq::commands::MessageAck::ID_MESSAGEACK = 22 [static]

6.516.3.6 Pointer<MessageId> activemq::commands::MessageAck::lastMessageId [protected]

6.516.3.7 int activemq::commands::MessageAck::messageCount [protected]

6.516.3.8 Pointer<TransactionId> activemq::commands::MessageAck::transactionId [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**MessageAck.h**

6.517 activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2648).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/MessageAckMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller:

Public Member Functions

- **MessageAckMarshaller** ()
- virtual ~**MessageAckMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.517.1 Detailed Description

Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2648). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.517.2 Constructor & Destructor Documentation

6.517.2.1 activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller::MessageAckMarshaller ( ) [inline]

6.517.2.2 virtual activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller::~MessageAckMarshaller ( ) [inline, virtual]

6.517.3 Member Function Documentation

6.517.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.517.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.517.3.3 virtual void activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.517.3.4 virtual void activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.517.3.5 virtual int activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.517.3.6 virtual void activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.517.3.7 virtual void activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**MessageAckMarshaller.h**

6.518 activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2653).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/MessageAckMarsh`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller:

Public Member Functions

- **MessageAckMarshaller** ()
- virtual ∼**MessageAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.518.1 Detailed Description

Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2653). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.518.2 Constructor & Destructor Documentation

6.518.2.1 activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller::MessageAckMarshaller ( ) [inline]

6.518.2.2 virtual activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller::~MessageAckMarshaller ( ) [inline, virtual]

6.518.3 Member Function Documentation

6.518.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.518.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.518.3.3 virtual void activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.518.3.4 virtual void activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.518.3.5 virtual int activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.518.3.6 virtual void activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.518.3.7 virtual void activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**MessageAckMarshaller.h**

6.519 activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2657).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/MessageAckMarsh
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller:

Public Member Functions

- **MessageAckMarshaller** ()
- virtual ∼**MessageAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.519.1 Detailed Description

Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2657). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.519.2 Constructor & Destructor Documentation

6.519.2.1 activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller::MessageAckMarshaller ( ) [inline]

6.519.2.2 virtual activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller::∼MessageAckMarshaller ( ) [inline, virtual]

6.519.3 Member Function Documentation

6.519.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.519.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.519.3.3 virtual void activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.519.3.4 virtual void activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.519.3.5 virtual int activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.519.3.6 virtual void activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.519.3.7 virtual void activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**MessageAckMarshaller.h**

6.520 activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2661).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/MessageAckMarsh
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller:

Public Member Functions

- **MessageAckMarshaller** ()
- virtual ~**MessageAckMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.520.1 Detailed Description

Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2661). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.520.2 Constructor & Destructor Documentation

6.520.2.1 activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller::MessageAckMarshaller ( ) [inline]

6.520.2.2 virtual activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller::∼MessageAckMarshaller ( ) [inline, virtual]

6.520.3 Member Function Documentation

6.520.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.520.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.520.3.3 virtual void activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.520.3.4 virtual void activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.520.3.5 virtual int activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.520.3.6 virtual void activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.520.3.7 virtual void activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) `[virtual]`

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**MessageAckMarshaller.h**

6.521 activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2665).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/MessageAckMarsh
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller:

Public Member Functions

- **MessageAckMarshaller** ()
- virtual ∼**MessageAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.521.1 Detailed Description

Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2665). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.521.2 Constructor & Destructor Documentation

6.521.2.1 activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller::MessageAckMarshaller ( ) [inline]

6.521.2.2 virtual activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller::~MessageAckMarshaller ( ) [inline, virtual]

6.521.3 Member Function Documentation

6.521.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.521.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.521.3.3 virtual void activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.521.3.4 virtual void activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.521.3.5 virtual int activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.521.3.6 virtual void activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.521.3.7 virtual void activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**MessageAckMarshaller.h**

6.522 activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2670).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/MessageAckMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller:

Public Member Functions

- **MessageAckMarshaller** ()
- virtual ∼**MessageAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.522.1 Detailed Description

Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2670). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.522.2 Constructor & Destructor Documentation

6.522.2.1 activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller::MessageAckMarshaller ( ) [inline]

6.522.2.2 virtual activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller::~MessageAckMarshaller ( ) [inline, virtual]

6.522.3 Member Function Documentation

6.522.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.522.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.522.3.3 virtual void activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.522.3.4 virtual void activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.522.3.5 virtual int activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.522.3.6 virtual void activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.522.3.7 virtual void activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**MessageAckMarshaller.h**

6.523 cms::MessageConsumer Class Reference

A client uses a **`MessageConsumer`** (p. 2674) to received messages from a destination.

`#include <src/main/cms/MessageConsumer.h>`

Inheritance diagram for cms::MessageConsumer:

Public Member Functions

- virtual ~**MessageConsumer** ()
- virtual **Message** ∗ **receive** ()=0 throw (CMSException)

  *Synchronously Receive a **Message** (p. 2614).*

- virtual **Message** ∗ **receive** (int millisecs)=0 throw (CMSException)

  *Synchronously Receive a **Message** (p. 2614), time out after defined interval.*

- virtual **Message** ∗ **receiveNoWait** ()=0 throw (CMSException)

  *Receive a **Message** (p. 2614), does not wait if there isn't a new message to read, returns NULL if nothing read.*

- virtual void **setMessageListener** (**MessageListener** ∗listener)=0 throw (CMSException)

  *Sets the **MessageListener** (p. 2779) that this class will send notifs on.*

- virtual **MessageListener** ∗ **getMessageListener** () const =0 throw (CMSException)

  *Gets the **MessageListener** (p. 2779) that this class will send mew **Message** (p. 2614) notification events to.*

- virtual std::string **getMessageSelector** () const =0 throw (cms::CMSException)

  Gets this message consumer's message selector expression.

6.523.1 Detailed Description

A client uses a **MessageConsumer** (p. 2674) to received messages from a destination. A client may either synchronously receive a message consumer's messages or have the consumer asynchronously deliver them as they arrive.

For synchronous receipt, a client can request the next message from a message consumer using one of its `receive` methods. There are several variations of `receive` that allow a client to poll or wait for the next message.

For asynchronous delivery, a client can register a **MessageListener** (p. 2779) object with a message consumer. As messages arrive at the message consumer, it delivers them by calling the **MessageListener** (p. 2779)'s `onMessage` method.

When the MessageConsumer's close method is called the method can block while an asynchronous message delivery is in progress or until a `receive` operation completes. A blocked consumer in a `receive` call will return a Null when the close method is called.

See also

MessageListener (p. 2779)

Since

1.0

6.523.2 Constructor & Destructor Documentation

6.523.2.1 virtual cms::MessageConsumer::~MessageConsumer ( ) [inline, virtual]

6.523.3 Member Function Documentation

6.523.3.1 virtual MessageListener* cms::MessageConsumer::getMessageListener ( ) const throw (CMSException) [pure virtual]

Gets the **MessageListener** (p. 2779) that this class will send mew **Message** (p. 2614) notification events to.

Returns

The listener of messages received by this consumer

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::CachedConsumer** (p. 1099), and **activemq::core::ActiveMQConsumer** (p. 307).

6.523.3.2 virtual std::string cms::MessageConsumer::getMessageSelector ( ) const throw (cms::CMSException) [pure virtual]

Gets this message consumer's message selector expression.

Returns

This Consumer's selector expression or "".

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::CachedConsumer** (p. 1099), and **activemq::core::ActiveMQConsumer** (p. 307).

6.523.3.3 virtual Message* cms::MessageConsumer::receive (int *millisecs*) throw (CMSException) [pure virtual]

Synchronously Receive a **Message** (p. 2614), time out after defined interval.

Returns null if nothing read.

Returns

new message which the caller owns and must delete.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::CachedConsumer** (p. 1100), and **activemq::core::ActiveMQConsumer** (p. 308).

6.523.3.4 virtual Message* cms::MessageConsumer::receive ( ) throw (CMSException) [pure virtual]

Synchronously Receive a **Message** (p. 2614).

Returns

new message which the caller owns and must delete.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::CachedConsumer** (p. 1100), and **activemq::core::ActiveMQConsumer** (p. 308).

6.523.3.5 virtual Message* cms::MessageConsumer::receiveNoWait ( ) throw (CMSException) [pure virtual]

Receive a **Message** (p. 2614), does not wait if there isn't a new message to read, returns NULL if nothing read.

Returns

new message which the caller owns and must delete.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::CachedConsumer** (p. 1100), and **activemq::core::ActiveMQConsumer** (p. 309).

6.523.3.6 virtual void cms::MessageConsumer::setMessageListener (MessageListener * *listener*) throw (CMSException) [pure virtual]

Sets the **MessageListener** (p. 2779) that this class will send notifs on.

Parameters

listener	The listener of messages received by this consumer.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::CachedConsumer** (p. 1101), and **activemq::core::ActiveMQConsumer** (p. 309).

The documentation for this class was generated from the following file:

- src/main/cms/**MessageConsumer.h**

6.524 activemq::cmsutil::MessageCreator Class Reference

Creates the user-defined message to be sent by the **CmsTemplate** (p. 1201).

```
#include <src/main/activemq/cmsutil/MessageCreator.h>
```

Public Member Functions

- virtual ∼**MessageCreator** ()
- virtual **cms::Message** ∗ **createMessage** (**cms::Session** ∗session)=0 throw (cms::CMSException)

  Creates a message from the given session.

6.524.1 Detailed Description

Creates the user-defined message to be sent by the **CmsTemplate** (p. 1201).

6.524.2 Constructor & Destructor Documentation

6.524.2.1 virtual activemq::cmsutil::MessageCreator::∼MessageCreator ( ) [inline, virtual]

6.524.3 Member Function Documentation

6.524.3.1 virtual cms::Message∗ activemq::cmsutil::MessageCreator::createMessage (cms::Session ∗ *session*) throw (cms::CMSException) [pure virtual]

Creates a message from the given session.

Parameters

session	the CMS Session

Exceptions

cms::CMSException (p. *1190*)	if thrown by CMS API methods

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**MessageCreator.h**

6.525 activemq::commands::MessageDispatch Class Reference

#include <src/main/activemq/commands/MessageDispatch.h>

Inheritance diagram for activemq::commands::MessageDispatch:

Public Member Functions

- **MessageDispatch** ()
- virtual ~**MessageDispatch** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **MessageDispatch** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **ConsumerId** > & **getConsumerId** () const
- virtual **Pointer**< **ConsumerId** > & **getConsumerId** ()
- virtual void **setConsumerId** (const **Pointer**< **ConsumerId** > &**consumerId**)
- virtual const **Pointer**< **ActiveMQDestination** > & **getDestination** () const
- virtual **Pointer**< **ActiveMQDestination** > & **getDestination** ()
- virtual void **setDestination** (const **Pointer**< **ActiveMQDestination** > &**destination**)
- virtual const **Pointer**< **Message** > & **getMessage** () const
- virtual **Pointer**< **Message** > & **getMessage** ()
- virtual void **setMessage** (const **Pointer**< **Message** > &**message**)
- virtual int **getRedeliveryCounter** () const
- virtual void **setRedeliveryCounter** (int **redeliveryCounter**)
- virtual bool **isMessageDispatch** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_MESSAGEDISPATCH** = 21

Protected Attributes

- **Pointer< ConsumerId > consumerId**
- **Pointer< ActiveMQDestination > destination**
- **Pointer< Message > message**
- int **redeliveryCounter**

6.525.1 Constructor & Destructor Documentation

6.525.1.1 activemq::commands::MessageDispatch::MessageDispatch ( )

6.525.1.2 virtual activemq::commands::MessageDispatch::~MessageDispatch ( ) [virtual]

6.525.2 Member Function Documentation

6.525.2.1 virtual MessageDispatch* activemq::commands::MessageDispatch::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.525.2.2 virtual void activemq::commands::MessageDispatch::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.525.2.3 virtual bool activemq::commands::MessageDispatch::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.525.2.4 virtual const Pointer<ConsumerId>& activemq::commands::MessageDispatch::getConsumerId ( ) const [virtual]

6.525.2.5 virtual Pointer<ConsumerId>& activemq::commands::MessageDispatch::getConsumerId ( ) [virtual]

6.525.2.6 virtual unsigned char activemq::commands::MessageDispatch::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.525.2.7 virtual const Pointer<ActiveMQDestination>& activemq::commands::MessageDispatch::getDestination ( ) const [virtual]

6.525.2.8 virtual Pointer<ActiveMQDestination>& activemq::commands::MessageDispatch::getDestination ( ) [virtual]

6.525.2.9 virtual const Pointer<Message>& activemq::commands::MessageDispatch::getMessage ( ) const [virtual]

6.525.2.10 virtual Pointer<Message>& activemq::commands::MessageDispatch::getMessage ( ) [virtual]

6.525.2.11 virtual int activemq::commands::MessageDispatch::getRedeliveryCounter ( ) const [virtual]

6.525.2.12 virtual bool activemq::commands::MessageDispatch::isMessageDispatch ( ) const [inline, virtual]

Returns

an answer of true to the **isMessageDispatch()** (p. 2681) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 768).

6.525.2.13 virtual void activemq::commands::MessageDispatch::setConsumerId (const Pointer< ConsumerId > & *consumerId*) [virtual]

6.525.2.14 virtual void activemq::commands::MessageDispatch::setDestination (const Pointer< ActiveMQDestination > & *destination*) [virtual]

6.525.2.15 virtual void activemq::commands::MessageDispatch::setMessage (const Pointer< Message > & *message*) [virtual]

6.525.2.16 virtual void activemq::commands::MessageDispatch::setRedeliveryCounter (int *redeliveryCounter*) [virtual]

6.525.2.17 virtual std::string activemq::commands::MessageDispatch::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.525.2.18 virtual Pointer<Command> activemq::commands::MessageDispatch::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.525.3 Field Documentation

6.525.3.1 Pointer<ConsumerId> activemq::commands::MessageDispatch::consumerId [protected]

6.525.3.2 Pointer<ActiveMQDestination> activemq::commands::MessageDispatch::destination [protected]

6.525.3.3 const unsigned char activemq::commands::MessageDispatch::ID_MESSAGEDISPATCH = 21 [static]

6.525.3.4 Pointer<Message> activemq::commands::MessageDispatch::message [protected]

6.525.3.5 int activemq::commands::MessageDispatch::redeliveryCounter [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**MessageDispatch.h**

6.526 activemq::core::MessageDispatchChannel Class Reference

`#include <src/main/activemq/core/MessageDispatchChannel.h>`

Inheritance diagram for activemq::core::MessageDispatchChannel:

Public Member Functions

- **MessageDispatchChannel** ()
- virtual ~**MessageDispatchChannel** ()
- void **enqueue** (const **Pointer**< **MessageDispatch** > &message)

  Add a Message to the Channel behind all pending message.

- void **enqueueFirst** (const **Pointer**< **MessageDispatch** > &message)

  Add a message to the front of the Channel.

- bool **isEmpty** () const
- bool **isClosed** () const
- bool **isRunning** () const
- **Pointer**< **MessageDispatch** > **dequeue** (long long timeout) throw (exceptions::ActiveMQException)

  Used to get an enqueued message.

- **Pointer< MessageDispatch > dequeueNoWait** ()

  Used to get an enqueued message if there is one queued right now.

- **Pointer< MessageDispatch > peek** () const

  Peek in the Queue and return the first message in the Channel without removing it from the channel.

- void **start** ()

  Starts dispatch of messages from the Channel.

- void **stop** ()

  Stops dispatch of message from the Channel.

- void **close** ()

  Close this channel no messages will be dispatched after this method is called.

- void **clear** ()

  Clear the Channel, all pending messages are removed.

- int **size** () const
- std::vector< **Pointer< MessageDispatch** > > **removeAll** ()

  Remove all messages that are currently in the Channel and return them as a list of Messages.

- virtual void **lock** () throw (decaf::lang::exceptions::RuntimeException)

  Locks the object.

- virtual bool **tryLock** () throw (decaf::lang::exceptions::RuntimeException)

  Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

- virtual void **unlock** () throw (decaf::lang::exceptions::RuntimeException)

  Unlocks the object.

- virtual void **wait** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateEx
  decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs, int nanos) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **notify** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals a waiter on this object that it can now wake up and continue.

- virtual void **notifyAll** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals the waiters on this object that it can now wake up and continue.

6.526.1 Constructor & Destructor Documentation

6.526.1.1 activemq::core::MessageDispatchChannel::MessageDispatchChannel ( )

6.526.1.2 virtual activemq::core::MessageDispatchChannel::~MessageDispatchChannel ( ) [virtual]

6.526.2 Member Function Documentation

6.526.2.1 void activemq::core::MessageDispatchChannel::clear ( )

Clear the Channel, all pending messages are removed.

6.526.2.2 void activemq::core::MessageDispatchChannel::close ( )

Close this channel no messages will be dispatched after this method is called.

6.526.2.3 Pointer<MessageDispatch> activemq::core::MessageDispatchChannel::dequeue (long long *timeout*) throw (exceptions::ActiveMQException)

Used to get an enqueued message.

The amount of time this method blocks is based on the timeout value. - if timeout==-1 then it blocks until a message is received. - if timeout==0 then it it tries to not block at all, it returns a message if it is available - if timeout>0 then it blocks up to timeout amount of time. Expired messages will consumed by this method.

Returns

null if we timeout or if the consumer is closed.

Exceptions

ActiveMQException	

6.526.2.4 Pointer<MessageDispatch> activemq::core::MessageDispatchChannel::dequeueNoWait ( )

Used to get an enqueued message if there is one queued right now.

If there is no waiting message than this method returns Null.

Returns

a message if there is one in the queue.

6.526.2.5 void activemq::core::MessageDispatchChannel::enqueue (const Pointer< MessageDispatch > & *message*)

Add a Message to the Channel behind all pending message.

Parameters

message	- The message to add to the Channel.

6.526.2.6 void activemq::core::MessageDispatchChannel::enqueueFirst (const Pointer< MessageDispatch > & *message*)

Add a message to the front of the Channel.

Parameters

message	- The Message to add to the front of the Channel.

6.526.2.7 bool activemq::core::MessageDispatchChannel::isClosed ( ) const [inline]

Returns

has the Queue been closed.

6.526.2.8 bool activemq::core::MessageDispatchChannel::isEmpty ( ) const

Returns

true if there are no messages in the Channel.

6.526.2.9 bool activemq::core::MessageDispatchChannel::isRunning ( ) const [inline]

Returns

true if the Channel currently running and will dequeue message.

6.526.2.10 virtual void activemq::core::MessageDispatchChannel::lock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Locks the object.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3812).

6.526.2.11 virtual void activemq::core::MessageDispatchChannel::notify ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals a waiter on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.
RuntimeException	if an error occurs while notifying one of the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3813).

6.526.2.12 virtual void activemq::core::MessageDispatchChannel::notifyAll ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals the waiters on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.
RuntimeException	if an error occurs while notifying the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3814).

6.526.2.13 Pointer<MessageDispatch> activemq::core::MessageDispatchChannel::peek ( ) const

Peek in the Queue and return the first message in the Channel without removing it from the channel.

Returns

a message if there is one in the queue.

6.526.2.14 std::vector< Pointer<MessageDispatch> > activemq::core::MessageDispatchChannel::removeAll ( )

Remove all messages that are currently in the Channel and return them as a list of Messages.

Returns

a list of Messages that was previously in the Channel.

6.526.2.15 int activemq::core::MessageDispatchChannel::size ( ) const

Returns

the number of Messages currently in the Channel.

6.526.2.16 void activemq::core::MessageDispatchChannel::start ( )

Starts dispatch of messages from the Channel.

6.526.2.17 void activemq::core::MessageDispatchChannel::stop ( )

Stops dispatch of message from the Channel.

6.526.2.18 virtual bool activemq::core::MessageDispatchChannel::tryLock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

Returns

true if the lock was acquired, false if it is already held by another thread.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3815).

6.526.2.19 virtual void activemq::core::MessageDispatchChannel::unlock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Unlocks the object.

Exceptions

RuntimeException	if an error occurs while unlocking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3816).

6.526.2.20 virtual void activemq::core::MessageDispatchChannel::wait (long long *millisecs*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorState-Exception	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3819).

6.526.2.21 virtual void activemq::core::MessageDispatchChannel::wait (long long *millisecs*, int *nanos*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval. This method is similar to the one argument wait function except that it add a finer grained control over the amount of time that it waits by adding in the

additional nanosecond argument.

NOTE: The ability to wait accurately at a nanosecond scale depends on the platform and OS that the Decaf API is running on, some systems do not provide an accurate enough clock to provide this level of granularity.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE
nanos	additional time in nanoseconds with a range of 0-999999

Exceptions

IllegalArgumentException	if an error occurs or the nanos argument is not in the range of [0-999999]
RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3820).

6.526.2.22 virtual void activemq::core::MessageDispatchChannel::wait ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling.

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3818).

The documentation for this class was generated from the following file:

- src/main/activemq/core/**MessageDispatchChannel.h**

6.527 activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2690).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/MessageDispatch
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller:

Public Member Functions

- **MessageDispatchMarshaller** ()
- virtual ~**MessageDispatchMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.527.1 Detailed Description

Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2690).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.527.2 Constructor & Destructor Documentation

6.527.2.1 activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller::MessageDispatchMarshaller ( ) [inline]

6.527.2.2 virtual activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller::~MessageDispatchMarshaller ( ) [inline, virtual]

6.527.3 Member Function Documentation

6.527.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.527.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.527.3.3 virtual void activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.527.3.4 virtual void activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.527.3.5 virtual int activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.527.3.6 virtual void activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.527.3.7 virtual void activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**MessageDispatchMarshaller.h**

6.528 activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2695).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/MessageDispatch
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller:

Public Member Functions

- **MessageDispatchMarshaller** ()
- virtual ∼**MessageDispatchMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.528.1 Detailed Description

Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2695). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.528.2 Constructor & Destructor Documentation

6.528.2.1 activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller::MessageDispatchMarshaller ( ) [inline]

6.528.2.2 virtual activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller::~MessageDispatchMarshaller ( ) [inline, virtual]

6.528.3 Member Function Documentation

6.528.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.528.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.528.3.3 virtual void activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.528.3.4 virtual void activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.528.3.5 virtual int activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.528.3.6 virtual void activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.528.3.7 virtual void activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**MessageDispatchMarshaller.h**

6.529 activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2699).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/MessageDispatch
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller:

Public Member Functions

- **MessageDispatchMarshaller** ()
- virtual ∼**MessageDispatchMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.529.1 Detailed Description

Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2699).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.529.2 Constructor & Destructor Documentation

6.529.2.1 activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller::MessageDispatchMarshaller ( ) [inline]

6.529.2.2 virtual activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller::∼MessageDispatchMarshaller ( ) [inline, virtual]

6.529.3 Member Function Documentation

6.529.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.529.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.529.3.3 virtual void activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.529.3.4 virtual void activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.529.3.5 virtual int activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.529.3.6 virtual void activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.529.3.7 virtual void activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**MessageDispatchMarshaller.h**

6.530 activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2703).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/MessageDispatch
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller:

Public Member Functions

- **MessageDispatchMarshaller** ()
- virtual ~**MessageDispatchMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BbooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.530.1 Detailed Description

Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2703).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.530.2 Constructor & Destructor Documentation

6.530.2.1 activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller::MessageDispatchMarshaller ( ) [inline]

6.530.2.2 virtual activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller::∼MessageDispatchMarshaller ( ) [inline, virtual]

6.530.3 Member Function Documentation

6.530.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.530.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller::getDataStructureT ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.530.3.3 virtual void activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.530.3.4 virtual void activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.530.3.5 virtual int activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.530.3.6 virtual void activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.530.3.7 virtual void activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) `[virtual]`

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**MessageDispatchMarshaller.h**

6.531 activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2707).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/MessageDispatch
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller:

Public Member Functions

- **MessageDispatchMarshaller** ()
- virtual ∼**MessageDispatchMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.531.1 Detailed Description

Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2707). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.531.2 Constructor & Destructor Documentation

6.531.2.1 activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller::MessageDispatchMarshaller ( ) [inline]

6.531.2.2 virtual activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller::~MessageDispatchMarshaller ( ) [inline, virtual]

6.531.3 Member Function Documentation

6.531.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.531.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller::getDataStructureT ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.531.3.3 virtual void activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.531.3.4 virtual void activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.531.3.5 virtual int activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.531.3.6 virtual void activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.531.3.7 virtual void activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**MessageDispatchMarshaller.h**

6.532 activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2712).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/MessageDispatchMarshalle`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller:

Public Member Functions

- **MessageDispatchMarshaller** ()
- virtual ∼**MessageDispatchMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.532.1 Detailed Description

Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2712). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.532.2 Constructor & Destructor Documentation

6.532.2.1 activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller::MessageDispatchMarshaller ( ) [inline]

6.532.2.2 virtual activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller::~MessageDispatchMarshaller ( ) [inline, virtual]

6.532.3 Member Function Documentation

6.532.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.532.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller::getDataStructureT ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.532.3.3 virtual void activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.532.3.4 virtual void activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.532.3.5 virtual int activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.532.3.6 virtual void activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.532.3.7 virtual void activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**MessageDispatchMarshaller.h**

6.533 activemq::commands::MessageDispatchNotification Class Reference

`#include <src/main/activemq/commands/MessageDispatchNotification.h>`

Inheritance diagram for activemq::commands::MessageDispatchNotification:

Public Member Functions

- **MessageDispatchNotification** ()
- virtual ~**MessageDispatchNotification** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **MessageDispatchNotification** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **ConsumerId** > & **getConsumerId** () const
- virtual **Pointer**< **ConsumerId** > & **getConsumerId** ()
- virtual void **setConsumerId** (const **Pointer**< **ConsumerId** > &**consumerId**)
- virtual const **Pointer**< **ActiveMQDestination** > & **getDestination** () const

- virtual **Pointer**< **ActiveMQDestination** > & **getDestination** ()
- virtual void **setDestination** (const **Pointer**< **ActiveMQDestination** > &**destination**)
- virtual long long **getDeliverySequenceId** () const
- virtual void **setDeliverySequenceId** (long long **deliverySequenceId**)
- virtual const **Pointer**< **MessageId** > & **getMessageId** () const
- virtual **Pointer**< **MessageId** > & **getMessageId** ()
- virtual void **setMessageId** (const **Pointer**< **MessageId** > &**messageId**)
- virtual bool **isMessageDispatchNotification** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_MESSAGEDISPATCHNOTIFICATION** = 90

Protected Attributes

- **Pointer**< **ConsumerId** > **consumerId**
- **Pointer**< **ActiveMQDestination** > **destination**
- long long **deliverySequenceId**
- **Pointer**< **MessageId** > **messageId**

6.533.1 Constructor & Destructor Documentation

6.533.1.1 activemq::commands::MessageDispatchNotification::MessageDispatchNotification ( )

6.533.1.2 virtual activemq::commands::MessageDispatchNotification::~MessageDispatchNotification ( ) [virtual]

6.533.2 Member Function Documentation

6.533.2.1 virtual MessageDispatchNotification* activemq::commands::MessageDispatchNotification::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.533.2.2 virtual void activemq::commands::MessageDispatchNotification::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.533.2.3 virtual bool activemq::commands::MessageDispatchNotification::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.533.2.4 virtual const Pointer<ConsumerId>& activemq::commands::MessageDispatchNotification::getConsumerId ( ) const [virtual]

6.533.2.5 virtual Pointer<ConsumerId>& activemq::commands::MessageDispatchNotification::getConsumerId ( ) [virtual]

6.533.2.6 virtual unsigned char activemq::commands::MessageDispatchNotification::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.533.2.7 virtual long long activemq::commands::MessageDispatchNotification::getDeliverySequenceId ( ) const [virtual]

6.533.2.8 virtual const Pointer<ActiveMQDestination>& activemq::commands::MessageDispatchNotification::getDestination ( ) const [virtual]

6.533.2.9 virtual Pointer<ActiveMQDestination>& activemq::commands::MessageDispatchNotification::getDestination ( ) [virtual]

6.533.2.10 virtual Pointer<MessageId>& activemq::commands::MessageDispatchNotification::getMessageId ( ) [virtual]

6.533.2.11 virtual const Pointer<MessageId>& activemq::commands::MessageDispatchNotification::getMessageId ( ) const [virtual]

6.533.2.12 virtual bool activemq::commands::MessageDispatchNotification::isMessageDispatchNotification ( ) const [inline, virtual]

Returns

an answer of true to the **isMessageDispatchNotification()** (p. 2719) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 768).

6.533.2.13 virtual void activemq::commands::MessageDispatchNotification::setConsumerId (const Pointer< ConsumerId > & *consumerId*) [virtual]

6.533.2.14 virtual void activemq::commands::MessageDispatchNotification::setDeliverySequenceId (long long *deliverySequenceId*) [virtual]

6.533.2.15 virtual void activemq::commands::MessageDispatchNotification::setDestination (const Pointer< ActiveMQDestination > & *destination*) [virtual]

6.533.2.16 virtual void activemq::commands::MessageDispatchNotification::setMessageId (const Pointer< MessageId > & *messageId*) [virtual]

6.533.2.17 virtual std::string activemq::commands::MessageDispatchNotification::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.533.2.18 virtual Pointer<Command> activemq::commands::MessageDispatchNotification::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.533.3 Field Documentation

6.533.3.1 Pointer<ConsumerId> activemq::commands::MessageDispatchNotification::consumerId [protected]

6.533.3.2 long long activemq::commands::MessageDispatchNotification::deliverySequenceId [protected]

6.533.3.3 Pointer<ActiveMQDestination> activemq::commands::MessageDispatchNotification::destination [protected]

6.533.3.4 const unsigned char activemq::commands::MessageDispatchNotification::ID_MESSAGEDISPATCHNOTIFICATION = 90 [static]

6.533.3.5 Pointer<MessageId> activemq::commands::MessageDispatchNotification::messageId [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**MessageDispatchNotification.h**

6.534 activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2720).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/MessageDispatchNotificat
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller:

Public Member Functions

- **MessageDispatchNotificationMarshaller** ()
- virtual ∼**MessageDispatchNotificationMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.534.1 Detailed Description

Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2720). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.534.2 Constructor & Destructor Documentation

6.534.2.1 activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller::MessageDispatchNotificationMarshaller ( ) [inline]

6.534.2.2 virtual activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller::~MessageDispatchNotificationMars ( ) [inline, virtual]

6.534.3 Member Function Documentation

6.534.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.534.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.534.3.3 virtual void activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.534.3.4 virtual void activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.534.3.5 virtual int activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.534.3.6 virtual void activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.534.3.7 virtual void activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**MessageDispatchNotificationMarshaller.h**

6.535 activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMars Class Reference

Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2725).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/MessageDispatch`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller:

Public Member Functions

- **MessageDispatchNotificationMarshaller** ()
- virtual ∼**MessageDispatchNotificationMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.535.1 Detailed Description

Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2725). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.535.2 Constructor & Destructor Documentation

6.535.2.1 activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller::MessageDispatchNotificationMarshaller ( ) [inline]

6.535.2.2 virtual activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller::~MessageDispatchNotificationMars ( ) [inline, virtual]

6.535.3 Member Function Documentation

6.535.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.535.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.535.3.3 virtual void activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.535.3.4 virtual void activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.535.3.5 virtual int activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.535.3.6 virtual void activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.535.3.7 virtual void activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**MessageDispatchNotificationMarshaller.h**

6.536 activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMars Class Reference

Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2729).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/MessageDispatch`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller:

Public Member Functions

- **MessageDispatchNotificationMarshaller** ()
- virtual ∼**MessageDispatchNotificationMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.536.1 Detailed Description

Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2729). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.536.2 Constructor & Destructor Documentation

6.536.2.1 activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller::MessageDispatchNotificationMarshaller ( ) [inline]

6.536.2.2 virtual activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller::∼MessageDispatchNotificationMars ( ) [inline, virtual]

6.536.3 Member Function Documentation

6.536.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.536.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.536.3.3 virtual void activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.536.3.4 virtual void activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.536.3.5 virtual int activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.536.3.6 virtual void activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.536.3.7 virtual void activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**MessageDispatchNotificationMarshaller.h**

6.537 activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMars Class Reference

Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2733).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/MessageDispatch
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller:

Public Member Functions

- **MessageDispatchNotificationMarshaller** ()
- virtual ~**MessageDispatchNotificationMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.537.1 Detailed Description

Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2733). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.537.2 Constructor & Destructor Documentation

6.537.2.1 activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller::MessageDispatchNotificationMarshaller ( ) [inline]

6.537.2.2 virtual activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller::∼MessageDispatchNotificationMars ( ) [inline, virtual]

6.537.3 Member Function Documentation

6.537.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.537.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller::getDat ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.537.3.3 virtual void activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.537.3.4 virtual void activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.537.3.5 virtual int activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.537.3.6 virtual void activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.537.3.7 virtual void activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**MessageDispatchNotificationMarshaller.h**

6.538 activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMars Class Reference

Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2737).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/MessageDispatch
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller:

Public Member Functions

- **MessageDispatchNotificationMarshaller** ()
- virtual ~**MessageDispatchNotificationMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BbooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.538.1 Detailed Description

Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2737). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.538.2 Constructor & Destructor Documentation

6.538.2.1 activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller::MessageDispatchNotificatio ( ) [inline]

6.538.2.2 virtual activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller::∼MessageDispatchN ( ) [inline, virtual]

6.538.3 Member Function Documentation

6.538.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.538.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller::getDat ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.538.3.3 virtual void activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller::looseMarshal (OpenWireFormat ∗ *wireFormat*, commands::DataStructure ∗ *dataStructure*, decaf::io::DataOutputStream ∗ *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.538.3.4 virtual void activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.538.3.5 virtual int activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.538.3.6 virtual void activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.538.3.7 virtual void activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**MessageDispatchNotificationMarshaller.h**

6.539 activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2742).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/MessageDispatchNotificat`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller:

Public Member Functions

- **MessageDispatchNotificationMarshaller** ()
- virtual ∼**MessageDispatchNotificationMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.539.1 Detailed Description

Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2742). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.539.2 Constructor & Destructor Documentation

6.539.2.1 activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller::MessageDispatchNotificatio ( ) [inline]

6.539.2.2 virtual activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller::∼MessageDispatchN ( ) [inline, virtual]

6.539.3 Member Function Documentation

6.539.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.539.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller::getDat ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.539.3.3 virtual void activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller::looseMarshal (OpenWireFormat ∗ *wireFormat*, commands::DataStructure ∗ *dataStructure*, decaf::io::DataOutputStream ∗ *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.539.3.4 virtual void activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.539.3.5 virtual int activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.539.3.6 virtual void activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.539.3.7 virtual void activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**MessageDispatchNotificationMarshaller.h**

6.540 cms::MessageEnumeration Class Reference

Defines an object that enumerates a collection of Messages.

`#include <src/main/cms/MessageEnumeration.h>`

Inheritance diagram for cms::MessageEnumeration:

Public Member Functions

- virtual ∼**MessageEnumeration** ()
- virtual bool **hasMoreMessages** ()=0

  *Returns true if there are more **Message** (p. 2614) in the Browser that can be retrieved via the `nextMessage` method.*

- virtual **cms::Message** ∗ **nextMessage** ()=0 throw (cms::CMSException)

  *Returns the Next **Message** (p. 2614) in the **Queue** (p. 3238) if one is present, if no more Message's are available then an Exception is thrown.*

6.540.1 Detailed Description

Defines an object that enumerates a collection of Messages. The client calls the hasMoreMessages method to determine if a **Message** (p. 2614) is available. If a **Message** (p. 2614) is available the client calls the nextMessage method to retrieve that **Message** (p. 2614), calling nextMessage when a **Message** (p. 2614) is not available results in an exception.

Since

2.1

6.540.2 Constructor & Destructor Documentation

6.540.2.1 virtual cms::MessageEnumeration::~MessageEnumeration ( ) [inline, virtual]

6.540.3 Member Function Documentation

6.540.3.1 virtual bool cms::MessageEnumeration::hasMoreMessages ( ) [pure virtual]

Returns true if there are more **Message** (p. 2614) in the Browser that can be retrieved via the `nextMessage` method.

If this method returns false and the `nextMessage` method is called then an Exception will be thrown.

Returns

true if more Message's are available in the Browser.

Implemented in **activemq::core::ActiveMQQueueBrowser** (p. 486).

6.540.3.2 virtual cms::Message* cms::MessageEnumeration::nextMessage ( ) throw (cms::CMSException) [pure virtual]

Returns the Next **Message** (p. 2614) in the **Queue** (p. 3238) if one is present, if no more Message's are available then an Exception is thrown.

If a **Message** (p. 2614) object pointer is returned then that object becomes the property of the caller and must be deleted by the caller when finished.

Returns

The next **Message** (p. 2614) in the **Queue** (p. 3238).

Exceptions

CMSException *(p. 1190)*	if no more Message's currently in the **Queue** (p. 3238).

Implemented in **activemq::core::ActiveMQQueueBrowser** (p. 486).

The documentation for this class was generated from the following file:

- src/main/cms/**MessageEnumeration.h**

6.541 cms::MessageEOFException Class Reference

This exception must be thrown when an unexpected end of stream has been reached when a **StreamMessage** (p. 3760) or **BytesMessage** (p. 1079) is being read.

`#include <src/main/cms/MessageEOFException.h>`

Inheritance diagram for cms::MessageEOFException:

Public Member Functions

- **MessageEOFException** () throw ()
- **MessageEOFException** (const **MessageEOFException** &ex) throw ()
- **MessageEOFException** (const std::string &message, const std::exception ∗cause) throw ()
- **MessageEOFException** (const std::string &message, const std::exception ∗cause, const std::vector< std::pair< std::string, int > > &stackTrace) throw ()
- virtual ∼**MessageEOFException** () throw ()

6.541.1 Detailed Description

This exception must be thrown when an unexpected end of stream has been reached when a **StreamMessage** (p. 3760) or **BytesMessage** (p. 1079) is being read.

Since

1.3

6.541.2 Constructor & Destructor Documentation

6.541.2.1 cms::MessageEOFException::MessageEOFException ( ) throw ()

6.541.2.2 cms::MessageEOFException::MessageEOFException (const MessageEOFException & *ex*) throw ()

6.541.2.3 cms::MessageEOFException::MessageEOFException (const std::string & *message,* const std::exception ∗ *cause*) throw ()

6.541.2.4 cms::MessageEOFException::MessageEOFException (const std::string & *message,* const std::exception ∗ *cause,* const std::vector< std::pair< std::string, int > > & *stackTrace*) throw ()

6.541.2.5 virtual cms::MessageEOFException::∼MessageEOFException ( ) throw () [virtual]

The documentation for this class was generated from the following file:

- src/main/cms/**MessageEOFException.h**

6.542 cms::MessageFormatException Class Reference

This exception must be thrown when a CMS client attempts to use a data type not supported by a message or attempts to read data in a message as the wrong type.

`#include <src/main/cms/MessageFormatException.h>`

Inheritance diagram for cms::MessageFormatException:

Public Member Functions

- **MessageFormatException** () throw ()
- **MessageFormatException** (const **MessageFormatException** &ex) throw ()
- **MessageFormatException** (const std::string &message, const std::exception *cause) throw ()
- **MessageFormatException** (const std::string &message, const std::exception *cause, const std::vector< std::pair< std::string, int > > &stackTrace) throw ()
- virtual ~**MessageFormatException** () throw ()

6.542.1 Detailed Description

This exception must be thrown when a CMS client attempts to use a data type not supported by a message or attempts to read data in a message as the wrong type. It must also be thrown when equivalent type errors are made with message property values. For example, this exception must be thrown if **StreamMessage.readShort** (p. 3769) is used to read a boolean value.

Since

1.3

6.542.2 Constructor & Destructor Documentation

6.542.2.1 cms::MessageFormatException::MessageFormatException ( ) throw ()

6.542.2.2 cms::MessageFormatException::MessageFormatException (const MessageFormatException & *ex*) throw ()

6.542.2.3 cms::MessageFormatException::MessageFormatException (const std::string & *message,* const std::exception ∗ *cause*) throw ()

6.542.2.4 cms::MessageFormatException::MessageFormatException (const std::string & *message,* const std::exception ∗ *cause,* const std::vector< std::pair< std::string, int > > & *stackTrace*) throw ()

6.542.2.5 virtual cms::MessageFormatException::∼MessageFormatException ( ) throw () [virtual]

The documentation for this class was generated from the following file:

- src/main/cms/**MessageFormatException.h**

6.543 activemq::commands::MessageId Class Reference

`#include <src/main/activemq/commands/MessageId.h>`

Inheritance diagram for activemq::commands::MessageId:

Public Types

- typedef **decaf::lang::PointerComparator< MessageId > COMPARATOR**

Public Member Functions

- **MessageId** ()
- **MessageId** (const **MessageId** &other)
- **MessageId** (const std::string &messageKey)
- **MessageId** (const **Pointer< ProducerInfo >** &producerInfo, long long **producerSequenceId**)
- **MessageId** (const **Pointer< ProducerId >** &**producerId**, long long **producerSequenceId**)
- **MessageId** (const std::string &**producerId**, long long **producerSequenceId**)
- virtual ∼**MessageId** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **MessageId** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- void **setValue** (const std::string &key)
- void **setTextView** (const std::string &key)
- virtual const **Pointer**< **ProducerId** > & **getProducerId** () const
- virtual **Pointer**< **ProducerId** > & **getProducerId** ()
- virtual void **setProducerId** (const **Pointer**< **ProducerId** > &**producerId**)
- virtual long long **getProducerSequenceId** () const
- virtual void **setProducerSequenceId** (long long **producerSequenceId**)
- virtual long long **getBrokerSequenceId** () const
- virtual void **setBrokerSequenceId** (long long **brokerSequenceId**)
- virtual int **compareTo** (const **MessageId** &value) const
- virtual bool **equals** (const **MessageId** &value) const
- virtual bool **operator==** (const **MessageId** &value) const
- virtual bool **operator**< (const **MessageId** &value) const
- **MessageId** & **operator=** (const **MessageId** &other)

Static Public Attributes

- static const unsigned char **ID_MESSAGEID** = 110

Protected Attributes

- **Pointer**< **ProducerId** > **producerId**
- long long **producerSequenceId**
- long long **brokerSequenceId**

6.543.1 Member Typedef Documentation

6.543.1.1 typedef decaf::lang::PointerComparator<MessageId> activemq::commands::MessageId::COMPARATOR

6.543.2 Constructor & Destructor Documentation

6.543.2.1 activemq::commands::MessageId::MessageId ( )

6.543.2.2 activemq::commands::MessageId::MessageId (const MessageId & *other*)

6.543.2.3 activemq::commands::MessageId::MessageId (const std::string & *messageKey*)

6.543.2.4 activemq::commands::MessageId::MessageId (const Pointer< ProducerInfo > & *producerInfo,* long long *producerSequenceId*)

6.543.2.5 activemq::commands::MessageId::MessageId (const Pointer< ProducerId > & *producerId,* long long *producerSequenceId*)

6.543.2.6 activemq::commands::MessageId::MessageId (const std::string & *producerId,* long long *producerSequenceId*)

6.543.2.7 virtual activemq::commands::MessageId::~MessageId ( ) [virtual]

6.543.3 Member Function Documentation

6.543.3.1 virtual MessageId* activemq::commands::MessageId::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.543.3.2 virtual int activemq::commands::MessageId::compareTo (const MessageId & *value*) const [virtual]

6.543.3.3 virtual void activemq::commands::MessageId::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

6.543.3.4 virtual bool activemq::commands::MessageId::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

6.543.3.5 virtual bool activemq::commands::MessageId::equals (const MessageId & *value*) const [virtual]

6.543.3.6 virtual long long activemq::commands::MessageId::getBrokerSequenceId ( ) const [virtual]

6.543.3.7 virtual unsigned char activemq::commands::MessageId::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.543.3.8 virtual const Pointer<ProducerId>& activemq::commands::MessageId::getProducerId ( ) const [virtual]

6.543.3.9 virtual Pointer<ProducerId>& activemq::commands::MessageId::getProducerId ( ) [virtual]

6.543.3.10 virtual long long activemq::commands::MessageId::getProducerSequenceId ( ) const [virtual]

6.543.3.11 virtual bool activemq::commands::MessageId::operator< (const MessageId & *value*) const [virtual]

6.543.3.12 MessageId& activemq::commands::MessageId::operator= (const MessageId & *other*)

6.543.3.13 virtual bool activemq::commands::MessageId::operator== (const MessageId & *value*) const [virtual]

6.543.3.14 virtual void activemq::commands::MessageId::setBrokerSequenceId (long long *brokerSequenceId*) [virtual]

6.543.3.15 virtual void activemq::commands::MessageId::setProducerId (const Pointer< ProducerId > & *producerId*) [virtual]

6.543.3.16 virtual void activemq::commands::MessageId::setProducerSequenceId (long long *producerSequenceId*) [virtual]

6.543.3.17 void activemq::commands::MessageId::setTextView (const std::string & *key*)

6.543.3.18 void activemq::commands::MessageId::setValue (const std::string & *key*)

6.543.3.19 virtual std::string activemq::commands::MessageId::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

6.543.4 Field Documentation

6.543.4.1 long long activemq::commands::MessageId::brokerSequenceId [protected]

6.543.4.2 const unsigned char activemq::commands::MessageId::ID_MESSAGEID = 110 [static]

6.543.4.3 Pointer<ProducerId> activemq::commands::MessageId::producerId [protected]

6.543.4.4 long long activemq::commands::MessageId::producerSequenceId [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**MessageId.h**

6.544 activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2755).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/MessageIdMarsha
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller:

Public Member Functions

- **MessageIdMarshaller** ()
- virtual ~**MessageIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.544.1 Detailed Description

Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2755). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.544.2 Constructor & Destructor Documentation

6.544.2.1 activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller::MessageIdMarshaller ( ) [inline]

6.544.2.2 virtual activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller::∼MessageIdMarshaller ( ) [inline, virtual]

6.544.3 Member Function Documentation

6.544.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.544.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.544.3.3 virtual void activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.544.3.4 virtual void activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.544.3.5 virtual int activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.544.3.6 virtual void activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.544.3.7 virtual void activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**MessageIdMarshaller.h**

6.545 activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2759).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/MessageIdMarsha`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller:

Public Member Functions

- **MessageIdMarshaller** ()
- virtual ~**MessageIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.545.1 Detailed Description

Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2759). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.545.2 Constructor & Destructor Documentation

6.545.2.1 activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller::MessageIdMarshaller ( ) [inline]

6.545.2.2 virtual activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller::∼MessageIdMarshaller ( ) [inline, virtual]

6.545.3 Member Function Documentation

6.545.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.545.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.545.3.3 virtual void activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.545.3.4 virtual void activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.545.3.5 virtual int activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.545.3.6 virtual void activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.545.3.7 virtual void activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**MessageIdMarshaller.h**

6.546 activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2763).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/MessageIdMarsha`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller:

Public Member Functions

- **MessageIdMarshaller** ()
- virtual ~**MessageIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.546.1 Detailed Description

Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2763). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.546.2 Constructor & Destructor Documentation

6.546.2.1 activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller::MessageIdMarshaller ( ) [inline]

6.546.2.2 virtual activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller::∼MessageIdMarshaller ( ) [inline, virtual]

6.546.3 Member Function Documentation

6.546.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.546.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.546.3.3 virtual void activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.546.3.4 virtual void activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.546.3.5 virtual int activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.546.3.6 virtual void activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.546.3.7 virtual void activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**MessageIdMarshaller.h**

6.547 activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2767).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/MessageIdMarsha`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller:

Public Member Functions

- **MessageIdMarshaller** ()
- virtual ~**MessageIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.547.1 Detailed Description

Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2767). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.547.2 Constructor & Destructor Documentation

6.547.2.1 activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller::MessageIdMarshaller ( ) [inline]

6.547.2.2 virtual activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller::∼MessageIdMarshaller ( ) [inline, virtual]

6.547.3 Member Function Documentation

6.547.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.547.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.547.3.3 virtual void activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.547.3.4 virtual void activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.547.3.5 virtual int activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.547.3.6 virtual void activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.547.3.7 virtual void activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**MessageIdMarshaller.h**

6.548 activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2771).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/MessageIdMarsha`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller:

Public Member Functions

- **MessageIdMarshaller** ()
- virtual ~**MessageIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.548.1 Detailed Description

Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2771). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.548.2 Constructor & Destructor Documentation

6.548.2.1 activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller::MessageIdMarshaller ( ) [inline]

6.548.2.2 virtual activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller::∼MessageIdMarshaller ( ) [inline, virtual]

6.548.3 Member Function Documentation

6.548.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.548.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.548.3.3 virtual void activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.548.3.4 virtual void activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.548.3.5 virtual int activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.548.3.6 virtual void activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.548.3.7 virtual void activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**MessageIdMarshaller.h**

6.549 activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2775).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/MessageIdMarsha`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller:

Public Member Functions

- **MessageIdMarshaller** ()
- virtual ~**MessageIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.549.1 Detailed Description

Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2775). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.549.2 Constructor & Destructor Documentation

6.549.2.1 activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller::MessageIdMarshaller ( ) [inline]

6.549.2.2 virtual activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller::∼MessageIdMarshaller ( ) [inline, virtual]

6.549.3 Member Function Documentation

6.549.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.549.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.549.3.3 virtual void activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.549.3.4 virtual void activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.549.3.5 virtual int activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.549.3.6 virtual void activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.549.3.7 virtual void activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**MessageIdMarshaller.h**

6.550 cms::MessageListener Class Reference

A **MessageListener** (p. 2779) object is used to receive asynchronously delivered messages.

`#include <src/main/cms/MessageListener.h>`

Public Member Functions

- virtual ~**MessageListener** ()
- virtual void **onMessage** (const **Message** *message)=0

  *Called asynchronously when a new message is received, the message reference can be to any of the **Message** (p. 2614) types.*

6.550.1 Detailed Description

A **MessageListener** (p. 2779) object is used to receive asynchronously delivered messages.

Since

1.0

6.550.2 Constructor & Destructor Documentation

6.550.2.1 virtual cms::MessageListener::~MessageListener ( ) [inline, virtual]

6.550.3 Member Function Documentation

6.550.3.1 virtual void cms::MessageListener::onMessage (const Message * *message*) [pure virtual]

Called asynchronously when a new message is received, the message reference can be to any of the **Message** (p. 2614) types.

a dynamic cast is used to find out what type of message this is. The lifetime of this object is only guaranteed to be for life of the onMessage function after this call-back returns the message may no longer exists. Users should copy the data or clone the message if they wish to retain information that was contained in this **Message** (p. 2614).

It is considered a programming error for this method to throw an exception.

Parameters

message	**Message** (p. 2614) object {const} pointer recipient does not own.

The documentation for this class was generated from the following file:

- src/main/cms/**MessageListener.h**

6.551 activemq::wireformat::openwire::marshal::v5::MessageMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2780).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/MessageMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::MessageMarshaller:

Public Member Functions

- **MessageMarshaller** ()
- virtual ~**MessageMarshaller** ()

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.551.1 Detailed Description

Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2780). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.551.2 Constructor & Destructor Documentation

6.551.2.1 activemq::wireformat::openwire::marshal::v5::MessageMarshaller::MessageMarshaller ( ) [inline]

6.551.2.2 virtual activemq::wireformat::openwire::marshal::v5::MessageMarshaller::∼MessageMarshaller ( ) [inline, virtual]

6.551.3 Member Function Documentation

6.551.3.1 virtual void activemq::wireformat::openwire::marshal::v5::MessageMarshaller::looseMarshal (**OpenWireFormat** ∗ *wireFormat,* **commands::DataStructure** ∗ *dataStructure,* **decaf::io::DataOutputStream** ∗ *dataOut*) throw (**decaf::io::IOException**) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 208), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 249), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 379), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 407), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 455), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 567), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 686).

6.551.3.2 virtual void activemq::wireformat::openwire::marshal::v5::MessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 209), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 250), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 379), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 408), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 455), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 568), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller**

(p. 686).

6.551.3.3 virtual int activemq::wireformat::openwire::marshal::v5::MessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 209), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 250), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 380), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 408), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 456), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 568), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 687).

6.551.3.4 virtual void activemq::wireformat::openwire::marshal::v5::MessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 210), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 251), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 380), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 409), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 456), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 569), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 687).

6.551.3.5 virtual void activemq::wireformat::openwire::marshal::v5::MessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) `[virtual]`

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller** (p. 210), **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller** (p. 251), **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller** (p. 381), **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller** (p. 409), **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller** (p. 457), **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller** (p. 569), and **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller** (p. 688).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**MessageMarshaller.h**

6.552 activemq::wireformat::openwire::marshal::v3::MessageMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2785).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/MessageMarshall`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::MessageMarshaller:

Public Member Functions

- **MessageMarshaller** ()
- virtual ∼**MessageMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.552.1 Detailed Description

Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2785). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.552.2 Constructor & Destructor Documentation

6.552.2.1 activemq::wireformat::openwire::marshal::v3::MessageMarshaller::MessageMarshaller ( ) [inline]

6.552.2.2 virtual activemq::wireformat::openwire::marshal::v3::MessageMarshaller::~MessageMarshaller ( ) [inline, virtual]

6.552.3 Member Function Documentation

6.552.3.1 virtual void activemq::wireformat::openwire::marshal::v3::MessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 191), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 236), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 366), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 394), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 442), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 555), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 673).

6.552.3.2 virtual void activemq::wireformat::openwire::marshal::v3::MessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 192), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 237), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 367), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 395), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 443), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 555), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 674).

6.552.3.3 virtual int activemq::wireformat::openwire::marshal::v3::MessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 192), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 237), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 367), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 395), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller**

(p. 443), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 556), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 674).

6.552.3.4 virtual void activemq::wireformat::openwire::marshal::v3::MessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 193), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 238), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 368), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 396), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 444), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 556), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 675).

6.552.3.5 virtual void activemq::wireformat::openwire::marshal::v3::MessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller** (p. 193), **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller** (p. 238), **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller** (p. 368), **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller** (p. 396), **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller** (p. 444), **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller** (p. 557), and **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller** (p. 675).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**MessageMarshaller.h**

6.553 activemq::wireformat::openwire::marshal::v2::MessageMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2789).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/MessageMarshall`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::MessageMarshaller:

Public Member Functions

- **MessageMarshaller** ()
- virtual ~**MessageMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.553.1 Detailed Description

Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2789). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.553.2 Constructor & Destructor Documentation

6.553.2.1 activemq::wireformat::openwire::marshal::v2::MessageMarshaller::MessageMarshaller ( ) [inline]

6.553.2.2 virtual activemq::wireformat::openwire::marshal::v2::MessageMarshaller::∼MessageMarshaller ( ) [inline, virtual]

6.553.3 Member Function Documentation

6.553.3.1 virtual void activemq::wireformat::openwire::marshal::v2::MessageMarshaller::looseMarshal (OpenWireFormat ∗ *wireFormat,* commands::DataStructure ∗ *dataStructure,* decaf::io::DataOutputStream ∗ *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 204), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 258), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 383), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 411), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 459), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 572), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 694).

6.553.3.2 virtual void activemq::wireformat::openwire::marshal::v2::MessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 204), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 258), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 384), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 412), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 460), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 572), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 695).

6.553.3.3 virtual int activemq::wireformat::openwire::marshal::v2::MessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 205), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 259), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 384), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 412), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 460), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 573), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 695).

6.553.3.4 virtual void activemq::wireformat::openwire::marshal::v2::MessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 205), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller**

(p. 259), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 385), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 413), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 461), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 573), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 696).

6.553.3.5 virtual void activemq::wireformat::openwire::marshal::v2::MessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller** (p. 206), **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller** (p. 260), **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller** (p. 385), **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller** (p. 413), **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller** (p. 461), **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller** (p. 574), and **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller** (p. 696).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**MessageMarshaller.h**

6.554 activemq::wireformat::openwire::marshal::v4::MessageMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2793).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/MessageMarshall
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::MessageMarshaller:

Public Member Functions

- **MessageMarshaller** ()
- virtual ~**MessageMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.554.1 Detailed Description

Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2793). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.554.2 Constructor & Destructor Documentation

6.554.2.1 activemq::wireformat::openwire::marshal::v4::MessageMarshaller::MessageMarshaller ( ) [inline]

6.554.2.2 virtual activemq::wireformat::openwire::marshal::v4::MessageMarshaller::~MessageMarshaller ( ) [inline, virtual]

6.554.3 Member Function Documentation

6.554.3.1 virtual void activemq::wireformat::openwire::marshal::v4::MessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 200), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 245), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 375), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 403), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 451), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 563), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 677).

6.554.3.2 virtual void activemq::wireformat::openwire::marshal::v4::MessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 200), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 245), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 375), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 403), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 451), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 564), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 678).

6.554.3.3 virtual int activemq::wireformat::openwire::marshal::v4::MessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 201), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 246), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 376), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 404), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller**

(p. 452), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 564), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 678).

6.554.3.4 virtual void activemq::wireformat::openwire::marshal::v4::MessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 201), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 246), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 376), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 404), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 452), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 565), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 679).

6.554.3.5 virtual void activemq::wireformat::openwire::marshal::v4::MessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller** (p. 202), **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller** (p. 247), **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller** (p. 377), **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller** (p. 405), **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller** (p. 453), **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller** (p. 565), and **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller** (p. 679).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**MessageMarshaller.h**

6.555 activemq::wireformat::openwire::marshal::v1::MessageMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2798).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/MessageMarshaller.h>`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::MessageMarshaller:

Public Member Functions

- **MessageMarshaller** ()
- virtual ∼**MessageMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.555.1 Detailed Description

Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2798). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.555.2 Constructor & Destructor Documentation

6.555.2.1 activemq::wireformat::openwire::marshal::v1::MessageMarshaller::MessageMarshaller ( ) [inline]

6.555.2.2 virtual activemq::wireformat::openwire::marshal::v1::MessageMarshaller::∼MessageMarshaller ( ) [inline, virtual]

6.555.3 Member Function Documentation

6.555.3.1 virtual void activemq::wireformat::openwire::marshal::v1::MessageMarshaller::looseMarshal (OpenWireFormat ∗ *wireFormat,* commands::DataStructure ∗ *dataStructure,* decaf::io::DataOutputStream ∗ *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 195), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 241), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 370), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 399), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 446), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 559), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 682).

6.555.3.2 virtual void activemq::wireformat::openwire::marshal::v1::MessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 196), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 241), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 371), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 399), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 447), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 559), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 682).

6.555.3.3 virtual int activemq::wireformat::openwire::marshal::v1::MessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 196), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 242), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 371), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 400), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 447), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 560), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 683).

6.555.3.4 virtual void activemq::wireformat::openwire::marshal::v1::MessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 197), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller**

(p. 242), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 372), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 400), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 448), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 560), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 683).

6.555.3.5 virtual void activemq::wireformat::openwire::marshal::v1::MessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller** (p. 197), **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller** (p. 243), **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller** (p. 372), **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller** (p. 401), **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller** (p. 448), **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller** (p. 561), and **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller** (p. 684).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**MessageMarshaller.h**

6.556 activemq::wireformat::openwire::marshal::v6::MessageMarshaller Class Reference

Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2802).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/MessageMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::MessageMarshaller:

Public Member Functions

- **MessageMarshaller** ()
- virtual ∼**MessageMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.556.1 Detailed Description

Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2802). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.556.2 Constructor & Destructor Documentation

6.556.2.1 activemq::wireformat::openwire::marshal::v6::MessageMarshaller::MessageMarshaller ( ) [inline]

6.556.2.2 virtual activemq::wireformat::openwire::marshal::v6::MessageMarshaller::~MessageMarshaller ( ) [inline, virtual]

6.556.3 Member Function Documentation

6.556.3.1 virtual void activemq::wireformat::openwire::marshal::v6::MessageMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 212), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 253), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 387), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 416), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 463), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 576), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 690).

6.556.3.2 virtual void activemq::wireformat::openwire::marshal::v6::MessageMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 213), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 254), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 388), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 416), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 464), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 576), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 691).

6.556.3.3 virtual int activemq::wireformat::openwire::marshal::v6::MessageMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 213), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 254), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 388), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 417), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller**

(p. 464), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 577), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 691).

6.556.3.4 virtual void activemq::wireformat::openwire::marshal::v6::MessageMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 214), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 255), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 389), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 417), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 465), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 577), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 692).

6.556.3.5 virtual void activemq::wireformat::openwire::marshal::v6::MessageMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller** (p. 214), **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller** (p. 255), **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller** (p. 389), **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller** (p. 418), **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller** (p. 465), **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller** (p. 578), and **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller** (p. 692).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**MessageMarshaller.h**

6.557 cms::MessageNotReadableException Class Reference

This exception must be thrown when a CMS client attempts to read a write-only message.

`#include <src/main/cms/MessageNotReadableException.h>`

Inheritance diagram for cms::MessageNotReadableException:

Public Member Functions

- **MessageNotReadableException** () throw ()
- **MessageNotReadableException** (const **MessageNotReadableException** &ex) throw ()
- **MessageNotReadableException** (const std::string &message, const std::exception *cause) throw ()
- **MessageNotReadableException** (const std::string &message, const std::exception *cause, const std::vector< std::pair< std::string, int > > &stackTrace) throw ()
- virtual ~**MessageNotReadableException** () throw ()

6.557.1 Detailed Description

This exception must be thrown when a CMS client attempts to read a write-only message.

Since

1.3

6.557.2 Constructor & Destructor Documentation

6.557.2.1 cms::MessageNotReadableException::MessageNotReadableException ( ) throw ()

6.557.2.2 cms::MessageNotReadableException::MessageNotReadableException (const MessageNotReadableException & *ex*) throw ()

6.557.2.3 cms::MessageNotReadableException::MessageNotReadableException (const std::string & *message,* const std::exception ∗ *cause*) throw ()

6.557.2.4 cms::MessageNotReadableException::MessageNotReadableException (const std::string & *message,* const std::exception ∗ *cause,* const std::vector< std::pair< std::string, int > > & *stackTrace*) throw ()

6.557.2.5 virtual cms::MessageNotReadableException::∼MessageNotReadableException ( ) throw () [virtual]

The documentation for this class was generated from the following file:

- src/main/cms/**MessageNotReadableException.h**

6.558 cms::MessageNotWriteableException Class Reference

This exception must be thrown when a CMS client attempts to write to a read-only message.

`#include <src/main/cms/MessageNotWriteableException.h>`

Inheritance diagram for cms::MessageNotWriteableException:

Public Member Functions

- **MessageNotWriteableException** () throw ()
- **MessageNotWriteableException** (const **MessageNotWriteableException** &ex) throw ()
- **MessageNotWriteableException** (const std::string &message, const std::exception ∗cause) throw ()
- **MessageNotWriteableException** (const std::string &message, const std::exception ∗cause, const std::vector< std::pair< std::string, int > > &stackTrace) throw ()
- virtual ∼**MessageNotWriteableException** () throw ()

6.558.1 Detailed Description

This exception must be thrown when a CMS client attempts to write to a read-only message.

Since

1.3

6.558.2 Constructor & Destructor Documentation

6.558.2.1 cms::MessageNotWriteableException::MessageNotWriteableException ( ) throw ()

6.558.2.2 cms::MessageNotWriteableException::MessageNotWriteableException (const MessageNotWriteableException & *ex*) throw ()

6.558.2.3 cms::MessageNotWriteableException::MessageNotWriteableException (const std::string & *message,* const std::exception ∗ *cause*) throw ()

6.558.2.4 cms::MessageNotWriteableException::MessageNotWriteableException (const std::string & *message,* const std::exception ∗ *cause,* const std::vector< std::pair< std::string, int > > & *stackTrace*) throw ()

6.558.2.5 virtual cms::MessageNotWriteableException::∼MessageNotWriteableException ( ) throw () [virtual]

The documentation for this class was generated from the following file:

- src/main/cms/**MessageNotWriteableException.h**

6.559 cms::MessageProducer Class Reference

A client uses a **MessageProducer** (p. 2809) object to send messages to a **Destination** (p. 1776).

`#include <src/main/cms/MessageProducer.h>`

Inheritance diagram for cms::MessageProducer:

Public Member Functions

- virtual ∼**MessageProducer** ()
- virtual void **send** (**Message** ∗message)=0 throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException)

  Sends the message to the default producer destination, but does not take ownership of the message, caller must still destroy it.

- virtual void **send** (**Message** ∗message, int deliveryMode, int priority, long long timeToLive)=0 throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationExc cms::UnsupportedOperationException)

Sends the message to the default producer destination, but does not take ownership of the message, caller must still destroy it.

- virtual void **send** (const **Destination** ∗destination, **Message** ∗message)=0 throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException)

  Sends the message to the designated destination, but does not take ownership of the message, caller must still destroy it.

- virtual void **send** (const **Destination** ∗destination, **Message** ∗message, int deliveryMode, int priority, long long timeToLive)=0 throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException)

  Sends the message to the designated destination, but does not take ownership of the message, caller must still destroy it.

- virtual void **setDeliveryMode** (int mode)=0 throw (CMSException)

  Sets the delivery mode for this Producer.

- virtual int **getDeliveryMode** () const =0 throw (CMSException)

  Gets the delivery mode for this Producer.

- virtual void **setDisableMessageID** (bool value)=0 throw (CMSException)

  *Sets if **Message** (p. 2614) Ids are disabled for this Producer.*

- virtual bool **getDisableMessageID** () const =0 throw (CMSException)

  *Gets if **Message** (p. 2614) Ids are disabled for this Producer.*

- virtual void **setDisableMessageTimeStamp** (bool value)=0 throw (CMSException)

  *Sets if **Message** (p. 2614) Time Stamps are disabled for this Producer.*

- virtual bool **getDisableMessageTimeStamp** () const =0 throw (CMSException)

  *Gets if **Message** (p. 2614) Time Stamps are disabled for this Producer.*

- virtual void **setPriority** (int priority)=0 throw (CMSException)

  Sets the Priority that this Producers sends messages at.

- virtual int **getPriority** () const =0 throw (CMSException)

  Gets the Priority level that this producer sends messages at.

- virtual void **setTimeToLive** (long long time)=0 throw (CMSException)

  Sets the Time to Live that this Producers sends messages with.

- virtual long long **getTimeToLive** () const =0 throw (CMSException)

  Gets the Time to Live that this producer sends messages with.

6.559.1 Detailed Description

A client uses a **MessageProducer** (p. 2809) object to send messages to a **Destination** (p. 1776). A **MessageProducer** (p. 2809) object is created by passing a **Destination** (p. 1776) object to a message-producer creation method supplied by a session.

A client also has the option of creating a message producer without supplying a destination. In this case, a **Destination** (p. 1776) must be provided with every send operation. A typical use for this kind of message producer is to send replies to requests using the request's CMSReplyTo destination.

A client can specify a default delivery mode, priority, and time to live for messages sent by a message producer. It can also specify the delivery mode, priority, and time to live for an individual message.

A client can specify a time-to-live value in milliseconds for each message it sends. This value defines a message expiration time that is the sum of the message's time-to-live and the GMT when it is sent (for transacted sends, this is the time the client sends the message, not the time the transaction is committed).

Since

1.0

6.559.2 Constructor & Destructor Documentation

6.559.2.1 virtual cms::MessageProducer::~MessageProducer ( ) [inline, virtual]

6.559.3 Member Function Documentation

6.559.3.1 virtual int cms::MessageProducer::getDeliveryMode ( ) const throw (**CMSException**) [pure virtual]

Gets the delivery mode for this Producer.

Returns

The **DeliveryMode** (p. 1775)

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1103), and **activemq::core::ActiveMQProducer** (p. 469).

6.559.3.2 virtual bool cms::MessageProducer::getDisableMessageID ( ) const throw (CMSException) [pure virtual]

Gets if **Message** (p. 2614) Ids are disabled for this Producer.

Returns

boolean indicating enable / disable (true / false)

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1103), and **activemq::core::ActiveMQProducer** (p. 469).

6.559.3.3 virtual bool cms::MessageProducer::getDisableMessageTimeStamp ( ) const throw (CMSException) [pure virtual]

Gets if **Message** (p. 2614) Time Stamps are disabled for this Producer.

Returns

boolean indicating enable / disable (true / false)

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1104), and **activemq::core::ActiveMQProducer** (p. 469).

6.559.3.4 virtual int cms::MessageProducer::getPriority ( ) const throw (CMSException) [pure virtual]

Gets the Priority level that this producer sends messages at.

Returns

int based priority level

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1104), and **activemq::core::ActiveMQProducer** (p. 469).

6.559.3.5 virtual long long cms::MessageProducer::getTimeToLive ( ) const throw (CMSException) [pure virtual]

Gets the Time to Live that this producer sends messages with.

Returns

Time to live value in milliseconds

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1104), and **activemq::core::ActiveMQProducer** (p. 470).

6.559.3.6 virtual void cms::MessageProducer::send (Message * *message,* int *deliveryMode,* int *priority,* long long *timeToLive*) throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException) [pure virtual]

Sends the message to the default producer destination, but does not take ownership of the message, caller must still destroy it.

Parameters

message	The message to be sent.
delivery-Mode	The delivery mode to be used.
priority	The priority for this message.
timeToLive	The time to live value for this message in milliseconds.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs while sending the message.
MessageFormatException *(p. 2749)*	- if an Invalid **Message** (p. 2614) is given.
InvalidDestinationException *(p. 2200)*	- if a client uses this method with a **MessageProducer** (p. 2809) with an invalid destination.
UnsupportedOperationException *(p. 4030)*	- if a client uses this method with a **MessageProducer** (p. 2809) that did not specify a destination at creation time.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1105), and **activemq::core::ActiveMQProducer** (p. 472).

6.559.3.7 virtual void cms::MessageProducer::send (const Destination * *destination,* Message * *message,* int *deliveryMode,* int *priority,* long long *timeToLive*) throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException) [pure virtual]

Sends the message to the designated destination, but does not take ownership of the message, caller must still destroy it.

Parameters

destination	The destination on which to send the message
message	The message to be sent.
delivery-Mode	The delivery mode to be used.
priority	The priority for this message.
timeToLive	The time to live value for this message in milliseconds.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs while sending the message.
MessageFormatException *(p. 2749)*	- if an Invalid **Message** (p. 2614) is given.
InvalidDestinationException *(p. 2200)*	- if a client uses this method with a **MessageProducer** (p. 2809) with an invalid destination.
UnsupportedOperationException *(p. 4030)*	- if a client uses this method with a **MessageProducer** (p. 2809) that did not specify a destination at creation time.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1106), and **activemq::core::ActiveMQProducer** (p. 471).

6.559.3.8 virtual void cms::MessageProducer::send (Message * *message*) throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException) [pure virtual]

Sends the message to the default producer destination, but does not take ownership of the message, caller must still destroy it.

Uses default values for deliveryMode, priority, and time to live.

Parameters

message	The message to be sent.

Exceptions

CMSException (p. *1190*)	- if an internal error occurs while sending the message.
MessageFormatException (p. *2749*)	- if an Invalid **Message** (p. 2614) is given.
InvalidDestinationException (p. *2200*)	- if a client uses this method with a **MessageProducer** (p. 2809) with an invalid destination.
UnsupportedOperationException (p. *4030*)	- if a client uses this method with a **MessageProducer** (p. 2809) that did not specify a destination at creation time.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1106), and **activemq::core::ActiveMQProducer** (p. 471).

6.559.3.9 virtual void cms::MessageProducer::send (const Destination * *destination*, Message * *message*) throw (cms::CMSException, cms::MessageFormatException, cms::InvalidDestinationException, cms::UnsupportedOperationException) `[pure virtual]`

Sends the message to the designated destination, but does not take ownership of the message, caller must still destroy it.

Uses default values for deliveryMode, priority, and time to live.

Parameters

destination	The destination on which to send the message
message	the message to be sent.

Exceptions

CMSException (p. *1190*)	- if an internal error occurs while sending the message.
MessageFormatException (p. *2749*)	- if an Invalid **Message** (p. 2614) is given.
InvalidDestinationException (p. *2200*)	- if a client uses this method with a **MessageProducer** (p. 2809) with an invalid destination.
UnsupportedOperationException (p. *4030*)	- if a client uses this method with a **MessageProducer** (p. 2809) that did not specify a destination at creation time.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1105), and **activemq::core::ActiveMQProducer**

(p. 472).

6.559.3.10 virtual void cms::MessageProducer::setDeliveryMode (int *mode*) throw (CMSException) [pure virtual]

Sets the delivery mode for this Producer.

Parameters

mode	The **DeliveryMode** (p. 1775)

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1107), and **activemq::core::ActiveMQProducer** (p. 473).

6.559.3.11 virtual void cms::MessageProducer::setDisableMessageID (bool *value*) throw (CMSException) [pure virtual]

Sets if **Message** (p. 2614) Ids are disabled for this Producer.

Parameters

value	boolean indicating enable / disable (true / false)

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1107), and **activemq::core::ActiveMQProducer** (p. 473).

6.559.3.12 virtual void cms::MessageProducer::setDisableMessageTimeStamp (bool *value*) throw (CMSException) [pure virtual]

Sets if **Message** (p. 2614) Time Stamps are disabled for this Producer.

Parameters

value	- boolean indicating enable / disable (true / false)

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1107), and **activemq::core::ActiveMQProducer** (p. 473).

6.559.3.13 virtual void cms::MessageProducer::setPriority (int *priority*) throw (CMSException) [pure virtual]

Sets the Priority that this Producers sends messages at.

Parameters

priority	int value for Priority level

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1108), and **activemq::core::ActiveMQProducer** (p. 474).

6.559.3.14 virtual void cms::MessageProducer::setTimeToLive (long long *time*) throw (CMSException) [pure virtual]

Sets the Time to Live that this Producers sends messages with.

This value will be used if the time to live is not specified via the send method.

Parameters

time	default time to live value in milliseconds

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::cmsutil::CachedProducer** (p. 1108), and **activemq::core::ActiveMQProducer** (p. 474).

The documentation for this class was generated from the following file:

- src/main/cms/**MessageProducer.h**

6.560 activemq::wireformat::openwire::utils::MessagePropertyInterceptor Class Reference

Used the base ActiveMQMessage class to intercept calls to get and set properties in order to capture the calls that use the reserved JMS properties and get and set them in the OpenWire Message properties.

```
#include <src/main/activemq/wireformat/openwire/utils/MessagePropertyInterceptor.h>
```

Public Member Functions

- **MessagePropertyInterceptor** (**commands::Message** ∗message, **util::PrimitiveMap** ∗properties) throw (decaf::lang::exceptions::NullPointerException)

  Constructor, accepts the Message that will be used to store JMS reserved property values, and the PrimitiveMap to get and set the rest to.

- virtual ∼**MessagePropertyInterceptor** ()
- virtual bool **getBooleanProperty** (const std::string &name) const

  Gets a boolean property.

- virtual unsigned char **getByteProperty** (const std::string &name) const

  Gets a byte property.

- virtual double **getDoubleProperty** (const std::string &name) const

  Gets a double property.

- virtual float **getFloatProperty** (const std::string &name) const

  Gets a float property.

- virtual int **getIntProperty** (const std::string &name) const

  Gets a int property.

- virtual long long **getLongProperty** (const std::string &name) const

  Gets a long property.

- virtual short **getShortProperty** (const std::string &name) const

  Gets a short property.

- virtual std::string **getStringProperty** (const std::string &name) const

  Gets a string property.

- virtual void **setBooleanProperty** (const std::string &name, bool value)

  Sets a boolean property.

- virtual void **setByteProperty** (const std::string &name, unsigned char value)

  Sets a byte property.

- virtual void **setDoubleProperty** (const std::string &name, double value)

  Sets a double property.

- virtual void **setFloatProperty** (const std::string &name, float value)

  Sets a float property.

- virtual void **setIntProperty** (const std::string &name, int value)

  Sets a int property.

- virtual void **setLongProperty** (const std::string &name, long long value)

  Sets a long property.

- virtual void **setShortProperty** (const std::string &name, short value)

  Sets a short property.

- virtual void **setStringProperty** (const std::string &name, const std::string &value)

  Sets a string property.

6.560.1 Detailed Description

Used the base ActiveMQMessage class to intercept calls to get and set properties in order to capture the calls that use the reserved JMS properties and get and set them in the OpenWire Message properties. Currently the only properties that are intercepted and handled are:

Name | Conversion Supported ---------- JMSXDeliveryCount | Int, Long, String JMSXGroupID | String JMSXGroupSeq | Int, Long, String

6.560.2 Constructor & Destructor Documentation

6.560.2.1 activemq::wireformat::openwire::utils::MessagePropertyInterceptor::MessagePropertyInterceptor (commands::Message * *message*, util::PrimitiveMap * *properties*) throw (decaf::lang::exceptions::NullPointerException)

Constructor, accepts the Message that will be used to store JMS reserved property values, and the PrimitiveMap to get and set the rest to.

Parameters

message	- The Message to store reserved property data in
properties	- The PrimitiveMap to store the rest of the properties in.

Exceptions

NullPointerException	if either param is NULL

6.560.2.2 virtual activemq::wireformat::openwire::utils::MessagePropertyInterceptor::~MessagePropertyInterceptor ( ) [virtual]

6.560.3 Member Function Documentation

6.560.3.1 virtual bool activemq::wireformat::openwire::utils::MessagePropertyInterceptor::getBooleanProperty (const std::string & *name*) const [virtual]

Gets a boolean property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

6.560.3.2 virtual unsigned char activemq::wireformat::openwire::utils::MessagePropertyInterceptor::getByteProperty (const std::string & *name*) const [virtual]

Gets a byte property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

6.560.3.3 virtual double activemq::wireformat::openwire::utils::MessagePropertyInterceptor::getDoubleProperty (const std::string & *name*) const [virtual]

Gets a double property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

6.560.3.4 virtual float activemq::wireformat::openwire::utils::MessagePropertyInterceptor::getFloatProperty (const std::string & *name*) const [virtual]

Gets a float property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

6.560.3.5 virtual int activemq::wireformat::openwire::utils::MessagePropertyInterceptor::getIntProperty (const std::string & *name*) const [virtual]

Gets a int property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

6.560.3.6 virtual long long activemq::wireformat::openwire::utils::MessagePropertyInterceptor::getLongProperty (const std::string & *name*) const [virtual]

Gets a long property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

6.560.3.7 virtual short activemq::wireformat::openwire::utils::MessagePropertyInterceptor::getShortProperty (const std::string & *name*) const [virtual]

Gets a short property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

6.560.3.8 virtual std::string activemq::wireformat::openwire::utils::MessagePropertyInterceptor::getStringProperty (const std::string & *name*) const [virtual]

Gets a string property.

Parameters

name	The name of the property to retrieve.

Returns

The value for the named property.

6.560.3.9 virtual void activemq::wireformat::openwire::utils::MessagePropertyInterceptor::setBooleanProperty (const std::string & *name*, bool *value*) [virtual]

Sets a boolean property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

6.560.3.10 virtual void activemq::wireformat::openwire::utils::MessagePropertyInterceptor::setByteProperty (const std::string & *name*, unsigned char *value*) [virtual]

Sets a byte property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

6.560.3.11 virtual void activemq::wireformat::openwire::utils::MessagePropertyInterceptor::setDoubleProperty (const std::string & *name*, double *value*) [virtual]

Sets a double property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

6.560.3.12 virtual void activemq::wireformat::openwire::utils::MessagePropertyInterceptor::setFloatProperty (const std::string & *name*, float *value*) [virtual]

Sets a float property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

6.560.3.13 virtual void activemq::wireformat::openwire::utils::MessagePropertyInterceptor::setIntProperty (const std::string & *name*, int *value*) [virtual]

Sets a int property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

6.560.3.14 virtual void activemq::wireformat::openwire::utils::MessagePropertyInterceptor::setLongProperty (const std::string & *name*, long long *value*) [virtual]

Sets a long property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

6.560.3.15 virtual void activemq::wireformat::openwire::utils::MessagePropertyInterceptor::setShortProperty (const std::string & *name*, short *value*) [virtual]

Sets a short property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

6.560.3.16 virtual void activemq::wireformat::openwire::utils::MessagePropertyInterceptor::setStringProperty (const std::string & *name*, const std::string & *value*) [virtual]

Sets a string property.

Parameters

name	The name of the property to retrieve.
value	The value for the named property.

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/utils/**MessagePropertyInterceptor.h**

6.561 activemq::commands::MessagePull Class Reference

`#include <src/main/activemq/commands/MessagePull.h>`

Inheritance diagram for activemq::commands::MessagePull:

Public Member Functions

- **MessagePull** ()
- virtual ∼**MessagePull** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **MessagePull** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **ConsumerId** > & **getConsumerId** () const
- virtual **Pointer**< **ConsumerId** > & **getConsumerId** ()
- virtual void **setConsumerId** (const **Pointer**< **ConsumerId** > &**consumerId**)
- virtual const **Pointer**< **ActiveMQDestination** > & **getDestination** () const
- virtual **Pointer**< **ActiveMQDestination** > & **getDestination** ()
- virtual void **setDestination** (const **Pointer**< **ActiveMQDestination** > &**destination**)

- virtual long long **getTimeout** () const
- virtual void **setTimeout** (long long **timeout**)
- virtual const std::string & **getCorrelationId** () const
- virtual std::string & **getCorrelationId** ()
- virtual void **setCorrelationId** (const std::string &**correlationId**)
- virtual const **Pointer**< **MessageId** > & **getMessageId** () const
- virtual **Pointer**< **MessageId** > & **getMessageId** ()
- virtual void **setMessageId** (const **Pointer**< **MessageId** > &**messageId**)
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** ∗visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_MESSAGEPULL** = 20

Protected Attributes

- **Pointer**< **ConsumerId** > **consumerId**
- **Pointer**< **ActiveMQDestination** > **destination**
- long long **timeout**
- std::string **correlationId**
- **Pointer**< **MessageId** > **messageId**

6.561.1 Constructor & Destructor Documentation

6.561.1.1 activemq::commands::MessagePull::MessagePull ( )

6.561.1.2 virtual activemq::commands::MessagePull::∼MessagePull ( ) [virtual]

6.561.2 Member Function Documentation

6.561.2.1 virtual MessagePull∗ activemq::commands::MessagePull::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.561.2.2 virtual void activemq::commands::MessagePull::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.561.2.3 virtual bool activemq::commands::MessagePull::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.561.2.4 virtual const Pointer<ConsumerId>& activemq::commands::MessagePull::getConsumerId ( ) const [virtual]

6.561.2.5 virtual Pointer<ConsumerId>& activemq::commands::MessagePull::getConsumerId ( ) [virtual]

6.561.2.6 virtual const std::string& activemq::commands::MessagePull::getCorrelationId ( ) const [virtual]

6.561.2.7 virtual std::string& activemq::commands::MessagePull::getCorrelationId ( ) [virtual]

6.561.2.8 virtual unsigned char activemq::commands::MessagePull::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.561.2.9 virtual const Pointer<ActiveMQDestination>& activemq::commands::MessagePull::getDestination ( ) const [virtual]

6.561.2.10 virtual Pointer<ActiveMQDestination>& activemq::commands::MessagePull::getDestination ( ) [virtual]

6.561.2.11 virtual const Pointer<MessageId>& activemq::commands::MessagePull::getMessageId ( ) const [virtual]

6.561.2.12 virtual Pointer<MessageId>& activemq::commands::MessagePull::getMessageId ( ) [virtual]

6.561.2.13 virtual long long activemq::commands::MessagePull::getTimeout ( ) const [virtual]

6.561.2.14 virtual void activemq::commands::MessagePull::setConsumerId (const Pointer< ConsumerId > & *consumerId*) [virtual]

6.561.2.15 virtual void activemq::commands::MessagePull::setCorrelationId (const std::string & *correlationId*) [virtual]

6.561.2.16 virtual void activemq::commands::MessagePull::setDestination (const Pointer< ActiveMQDestination > & *destination*) [virtual]

6.561.2.17 virtual void activemq::commands::MessagePull::setMessageId (const Pointer< MessageId > & *messageId*) [virtual]

6.561.2.18 virtual void activemq::commands::MessagePull::setTimeout (long long *timeout*) [virtual]

6.561.2.19 virtual std::string activemq::commands::MessagePull::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.561.2.20 virtual Pointer<Command> activemq::commands::MessagePull::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.561.3 Field Documentation

6.561.3.1 Pointer<ConsumerId> activemq::commands::MessagePull::consumerId [protected]

6.561.3.2 std::string activemq::commands::MessagePull::correlationId [protected]

6.561.3.3 Pointer<ActiveMQDestination> activemq::commands::MessagePull::destination [protected]

6.561.3.4 const unsigned char activemq::commands::MessagePull::ID_MESSAGEPULL = 20 [static]

6.561.3.5 Pointer<MessageId> activemq::commands::MessagePull::messageId [protected]

6.561.3.6 long long activemq::commands::MessagePull::timeout [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**MessagePull.h**

6.562 activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller Class Reference

Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2828).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/MessagePullMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller:

Public Member Functions

- **MessagePullMarshaller** ()
- virtual ~**MessagePullMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.562.1 Detailed Description

Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2828). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.562.2 Constructor & Destructor Documentation

6.562.2.1 activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller::MessagePullMarshaller ( ) [inline]

6.562.2.2 virtual activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller::~MessagePullMarshaller ( ) [inline, virtual]

6.562.3 Member Function Documentation

6.562.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.562.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.562.3.3 virtual void activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.562.3.4 virtual void activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.562.3.5 virtual int activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.562.3.6 virtual void activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.562.3.7 virtual void activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**MessagePullMarshaller.h**

6.563 activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller Class Reference

Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2833).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/MessagePullMars`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller:

Public Member Functions

- **MessagePullMarshaller** ()
- virtual ∼**MessagePullMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.563.1 Detailed Description

Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2833). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.563.2 Constructor & Destructor Documentation

6.563.2.1 activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller::MessagePullMarshaller ( ) [inline]

6.563.2.2 virtual activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller::~MessagePullMarshaller ( ) [inline, virtual]

6.563.3 Member Function Documentation

6.563.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.563.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.563.3.3 virtual void activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.563.3.4 virtual void activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.563.3.5 virtual int activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.563.3.6 virtual void activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.563.3.7 virtual void activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**MessagePullMarshaller.h**

6.564 activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller Class Reference

Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2837).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/MessagePullMars
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller:

Public Member Functions

- **MessagePullMarshaller** ()
- virtual ∼**MessagePullMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.564.1 Detailed Description

Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2837). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.564.2 Constructor & Destructor Documentation

6.564.2.1 activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller::MessagePullMarshaller ( ) [inline]

6.564.2.2 virtual activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller::∼MessagePullMarshaller ( ) [inline, virtual]

6.564.3 Member Function Documentation

6.564.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.564.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.564.3.3 virtual void activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.564.3.4 virtual void activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.564.3.5 virtual int activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.564.3.6 virtual void activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.564.3.7 virtual void activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**MessagePullMarshaller.h**

6.565 activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller Class Reference

Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2841).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/MessagePullMars
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller:

Public Member Functions

- **MessagePullMarshaller** ()
- virtual ~**MessagePullMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.565.1 Detailed Description

Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2841). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.565.2 Constructor & Destructor Documentation

6.565.2.1 activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller::MessagePullMarshaller ( ) [inline]

6.565.2.2 virtual activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller::∼MessagePullMarshaller ( ) [inline, virtual]

6.565.3 Member Function Documentation

6.565.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.565.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.565.3.3 virtual void activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.565.3.4 virtual void activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.565.3.5 virtual int activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.565.3.6 virtual void activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.565.3.7 virtual void activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**MessagePullMarshaller.h**

6.566 activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller Class Reference

Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2845).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/MessagePullMars
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller:

Public Member Functions

- **MessagePullMarshaller** ()
- virtual ∼**MessagePullMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.566.1 Detailed Description

Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2845). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.566.2 Constructor & Destructor Documentation

6.566.2.1 activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller::MessagePullMarshaller ( ) [inline]

6.566.2.2 virtual activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller::~MessagePullMarshaller ( ) [inline, virtual]

6.566.3 Member Function Documentation

6.566.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.566.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.566.3.3 virtual void activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.566.3.4 virtual void activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.566.3.5 virtual int activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.566.3.6 virtual void activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.566.3.7 virtual void activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**MessagePullMarshaller.h**

6.567 activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller Class Reference

Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2850).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/MessagePullMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller:

Public Member Functions

- **MessagePullMarshaller** ()
- virtual ∼**MessagePullMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.567.1 Detailed Description

Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2850). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.567.2 Constructor & Destructor Documentation

6.567.2.1 activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller::MessagePullMarshaller ( ) [inline]

6.567.2.2 virtual activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller::~MessagePullMarshaller ( ) [inline, virtual]

6.567.3 Member Function Documentation

6.567.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.567.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.567.3.3 virtual void activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.567.3.4 virtual void activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.567.3.5 virtual int activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.567.3.6 virtual void activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.567.3.7 virtual void activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**MessagePullMarshaller.h**

6.568 activemq::transport::mock::MockTransport Class Reference

The **MockTransport** (p. 2854) defines a base level **Transport** (p. 3996) class that is intended to be used in place of an a regular protocol **Transport** (p. 3996) suck as TCP.

`#include <src/main/activemq/transport/mock/MockTransport.h>`

Inheritance diagram for activemq::transport::mock::MockTransport:

Public Member Functions

- **MockTransport** (const **Pointer**< **wireformat::WireFormat** > &wireFormat, const **Pointer**< **ResponseBuilder** > &responseBuilder)
- virtual ~**MockTransport** ()
- void **setResponseBuilder** (const **Pointer**< **ResponseBuilder** > &responseBuilder)

  *Sets the **ResponseBuilder** (p. 3382) that this class uses to create Responses to Commands sent.*

- virtual void **oneway** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends a one-way command.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends the given command to the broker and then waits for the response.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command, unsigned int timeout) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends the given command to the broker and then waits for the response.

- virtual void **setOutgoingListener** (**TransportListener** *listener)

Sets a Listener that gets notified for every command that would have been sent by this transport to the Broker, this allows a client to verify that its messages are making it to the wire.

- virtual void **setWireFormat** (const **Pointer**< **wireformat::WireFormat** > &wireFormat AMQCPP_UNUSED)

  Sets the WireFormat instance to use.

- **Pointer**< **wireformat::WireFormat** > **getWireFormat** () const

  Gets the currently set WireFormat.

- virtual void **setTransportListener** (**TransportListener** *listener)

  Sets the observer of asynchronous exceptions from this transport.

- virtual **TransportListener** * **getTransportListener** () const

  Gets the observer of asynchronous exceptions from this transport.

- virtual void **fireCommand** (const **Pointer**< **Command** > &command)

  Fires a Command back through this transport to its registered CommandListener if there is one.

- virtual void **fireException** (const **exceptions::ActiveMQException** &ex)

  Fires a Exception back through this transport to its registered ExceptionListener if there is one.

- virtual void **start** () throw (decaf::io::IOException)

  *Starts the **Transport** (p. 3996), the send methods of a **Transport** (p. 3996) will throw an exception if used before the **Transport** (p. 3996) is started.*

- virtual void **stop** () throw (decaf::io::IOException)

  *Stops the **Transport** (p. 3996).*

- virtual void **close** () throw (decaf::io::IOException)

  Closes this object and deallocates the appropriate resources.

- virtual **Transport** * **narrow** (const std::type_info &typeId)

  *Narrows down a Chain of Transports to a specific **Transport** (p. 3996) to allow a higher level transport to skip intermediate Transports in certain circumstances.*

- virtual bool **isFaultTolerant** () const

  *Is this **Transport** (p. 3996) fault tolerant, meaning that it will reconnect to a broker on disconnect.*

- virtual bool **isConnected** () const

  *Is the **Transport** (p. 3996) Connected to its Broker.*

- virtual bool **isClosed** () const

*Has the **Transport** (p. 3996) been shutdown and no longer usable.*

- virtual std::string **getRemoteAddress** () const
- virtual void **reconnect** (const **decaf::net::URI** &uri AMQCPP_UNUSED) throw (decaf::io::IOException)

  reconnect to another location

- bool **isFailOnSendMessage** () const
- void **setFailOnSendMessage** (bool value)
- int **getNumSentMessageBeforeFail** () const
- void **setNumSentMessageBeforeFail** (int value)
- int **getNumSentMessages** () const
- void **setNumSentMessages** (int value)
- bool **isFailOnReceiveMessage** () const
- void **setFailOnReceiveMessage** (bool value)
- int **getNumReceivedMessageBeforeFail** () const
- void **setNumReceivedMessageBeforeFail** (int value)
- int **getNumReceivedMessages** () const
- void **setNumReceivedMessages** (int value)
- bool **isFailOnKeepAliveSends** () const
- void **setFailOnKeepAliveSends** (bool value)
- int **getNumSentKeepAlivesBeforeFail** () const
- void **setNumSentKeepAlivesBeforeFail** (int value)
- int **getNumSentKeepAlives** () const
- void **setNumSentKeepAlives** (int value)
- bool **isFailOnStart** () const
- void **setFailOnStart** (bool value)
- bool **isFailOnStop** () const
- void **setFailOnStop** (bool value)
- bool **isFailOnClose** () const
- void **setFailOnClose** (bool value)

Static Public Member Functions

- static **MockTransport** ∗ **getInstance** ()

6.568.1 Detailed Description

The **MockTransport** (p. 2854) defines a base level **Transport** (p. 3996) class that is intended to be used in place of an a regular protocol **Transport** (p. 3996) suck as TCP. This **Transport** (p. 3996) assumes that it is the base **Transport** (p. 3996) in the Transports stack, and destroys any Transports that are passed to it in its constructor.

This **Transport** (p. 3996) defines an Interface **ResponseBuilder** (p. 3382) which must be implemented by any protocol for which the **Transport** (p. 3996) is used to Emulate. The **Transport** (p. 3996) hands off all outbound commands to the **ResponseBuilder** (p. 3382) for processing, it is up to the builder to create appropriate responses and schedule any asynchronous messages that might result from a message sent to the Broker.

6.568.2 Constructor & Destructor Documentation

6.568.2.1 activemq::transport::mock::MockTransport::MockTransport (const Pointer< wireformat::WireFormat > & *wireFormat,* const Pointer< ResponseBuilder > & *responseBuilder*)

6.568.2.2 virtual activemq::transport::mock::MockTransport::~MockTransport ( ) [inline, virtual]

6.568.3 Member Function Documentation

6.568.3.1 virtual void activemq::transport::mock::MockTransport::close ( ) throw (decaf::io::IOException) [virtual]

Closes this object and deallocates the appropriate resources.

The object is generally no longer usable after calling close.

Exceptions

IOException	if an error occurs while closing.

Implements **decaf::io::Closeable** (p. 1181).

6.568.3.2 virtual void activemq::transport::mock::MockTransport::fireCommand (const Pointer< Command > & *command*) [inline, virtual]

Fires a Command back through this transport to its registered CommandListener if there is one.

Parameters

command	- Command to send to the Listener.

6.568.3.3 virtual void activemq::transport::mock::MockTransport::fireException (const exceptions::ActiveMQException & *ex*) [inline, virtual]

Fires a Exception back through this transport to its registered ExceptionListener if there is one.

Parameters

ex	The Exception that will be passed on the the **Transport** (p. 3996) listener.

6.568.3.4 static MockTransport* activemq::transport::mock::MockTransport::getInstance ( ) [inline, static]

6.568.3.5 int activemq::transport::mock::MockTransport::getNumReceivedMessageBeforeFail ( ) const [inline]

6.568.3.6 int activemq::transport::mock::MockTransport::getNumReceivedMessages ( ) const [inline]

6.568.3.7 int activemq::transport::mock::MockTransport::getNumSentKeepAlives ( ) const [inline]

6.568.3.8 int activemq::transport::mock::MockTransport::getNumSentKeepAlivesBeforeFail ( ) const [inline]

6.568.3.9 int activemq::transport::mock::MockTransport::getNumSentMessageBeforeFail ( ) const [inline]

6.568.3.10 int activemq::transport::mock::MockTransport::getNumSentMessages ( ) const [inline]

6.568.3.11 virtual std::string activemq::transport::mock::MockTransport::getRemoteAddress ( ) const [inline, virtual]

Returns

the remote address for this connection

Implements **activemq::transport::Transport** (p. 3998).

6.568.3.12 virtual TransportListener* activemq::transport::mock::MockTransport::getTransportListener ( ) const [inline, virtual]

Gets the observer of asynchronous exceptions from this transport.

Returns

The listener of transport events.

Implements **activemq::transport::Transport** (p. 3998).

6.568.3.13 Pointer<wireformat::WireFormat> activemq::transport::mock::MockTransport::getWireFormat ( ) const [inline]

Gets the currently set WireFormat.

Returns

the current WireFormat object.

6.568.3.14 virtual bool activemq::transport::mock::MockTransport::isClosed ( ) const [inline, virtual]

Has the **Transport** (p. 3996) been shutdown and no longer usable.

Returns

true if the **Transport** (p. 3996)

Implements **activemq::transport::Transport** (p. 3998).

6.568.3.15 virtual bool activemq::transport::mock::MockTransport::isConnected ( ) const [inline, virtual]

Is the **Transport** (p. 3996) Connected to its Broker.

Returns

true if a connection has been made.

Implements **activemq::transport::Transport** (p. 3998).

6.568.3.16 bool activemq::transport::mock::MockTransport::isFailOnClose ( ) const [inline]

6.568.3.17 bool activemq::transport::mock::MockTransport::isFailOnKeepAliveSends ( ) const [inline]

6.568.3.18 bool activemq::transport::mock::MockTransport::isFailOnReceiveMessage ( ) const [inline]

6.568.3.19 bool activemq::transport::mock::MockTransport::isFailOnSendMessage ( ) const [inline]

6.568.3.20 bool activemq::transport::mock::MockTransport::isFailOnStart ( ) const [inline]

6.568.3.21 bool activemq::transport::mock::MockTransport::isFailOnStop ( ) const [inline]

6.568.3.22 virtual bool activemq::transport::mock::MockTransport::isFaultTolerant ( ) const [inline, virtual]

Is this **Transport** (p. 3996) fault tolerant, meaning that it will reconnect to a broker on disconnect.

Returns

true if the **Transport** (p. 3996) is fault tolerant.

Implements **activemq::transport::Transport** (p. 3999).

6.568.3.23 virtual Transport* activemq::transport::mock::MockTransport::narrow (const std::type_info & *typeId*) [inline, virtual]

Narrows down a Chain of Transports to a specific **Transport** (p. 3996) to allow a higher level transport to skip intermediate Transports in certain circumstances.

Parameters

typeId	- The type_info of the Object we are searching for.

Returns

the requested Object. or NULL if its not in this chain.

Implements **activemq::transport::Transport** (p. 3999).

6.568.3.24 virtual void activemq::transport::mock::MockTransport::oneway (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends a one-way command.

Does not wait for any response from the broker.

Parameters

command	the command to be sent.

Exceptions

IOException	if an exception occurs during writing of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Implements **activemq::transport::Transport** (p. 3999).

6.568.3.25 virtual void activemq::transport::mock::MockTransport::reconnect (const decaf::net::URI &uri *AMQCPP_UNUSED*) throw (decaf::io::IOException) [inline, virtual]

reconnect to another location

Parameters

uri	

Exceptions

IOException	on failure of if not supported

6.568.3.26 virtual Pointer<Response> activemq::transport::mock::MockTransport::request (const Pointer< Command > & *command,* unsigned int *timeout*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends the given command to the broker and then waits for the response.

Parameters

command	- The command to be sent.
timeout	- The time to wait for this response.

Returns

the response from the broker.

Exceptions

IOException	if an exception occurs during the read of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Implements **activemq::transport::Transport** (p. 4001).

6.568.3.27 virtual Pointer<Response> activemq::transport::mock::MockTransport::request (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends the given command to the broker and then waits for the response.

Parameters

command	the command to be sent.

Returns

the response from the broker.

Exceptions

IOException	if an exception occurs during the read of the command.

UnsupportedOperationException	if this method is not implemented by this transport.

Implements **activemq::transport::Transport** (p. 4000).

6.568.3.28 void activemq::transport::mock::MockTransport::setFailOnClose (bool *value*) [inline]

6.568.3.29 void activemq::transport::mock::MockTransport::setFailOnKeepAliveSends (bool *value*) [inline]

6.568.3.30 void activemq::transport::mock::MockTransport::setFailOnReceiveMessage (bool *value*) [inline]

6.568.3.31 void activemq::transport::mock::MockTransport::setFailOnSendMessage (bool *value*) [inline]

6.568.3.32 void activemq::transport::mock::MockTransport::setFailOnStart (bool *value*) [inline]

6.568.3.33 void activemq::transport::mock::MockTransport::setFailOnStop (bool *value*) [inline]

6.568.3.34 void activemq::transport::mock::MockTransport::setNumReceivedMessageBeforeFail (int *value*) [inline]

6.568.3.35 void activemq::transport::mock::MockTransport::setNumReceivedMessages (int *value*) [inline]

6.568.3.36 void activemq::transport::mock::MockTransport::setNumSentKeepAlives (int *value*) [inline]

6.568.3.37 void activemq::transport::mock::MockTransport::setNumSentKeepAlivesBeforeFail (int *value*) [inline]

6.568.3.38 void activemq::transport::mock::MockTransport::setNumSentMessageBeforeFail (int *value*) [inline]

6.568.3.39 void activemq::transport::mock::MockTransport::setNumSentMessages (int *value*) [inline]

6.568.3.40 virtual void activemq::transport::mock::MockTransport::setOutgoingListener (**TransportListener** * *listener*) [inline, virtual]

Sets a Listener that gets notified for every command that would have been sent by this transport to the Broker, this allows a client to verify that its messages are making it to the wire.

Parameters

listener	- The CommandListener to notify for each message

6.568.3.41 void activemq::transport::mock::MockTransport::setResponseBuilder (const Pointer< ResponseBuilder > & *responseBuilder*) [inline]

Sets the **ResponseBuilder** (p. 3382) that this class uses to create Responses to Commands sent.

These are either real Response Objects, or Commands that would have been sent Asynchronously be the Broker.

Parameters

response-Builder	- The **ResponseBuilder** (p. 3382) to use from now on.

6.568.3.42 virtual void activemq::transport::mock::MockTransport::setTransportListener (TransportListener * *listener*) [inline, virtual]

Sets the observer of asynchronous exceptions from this transport.

Parameters

listener	the listener of transport events.

Implements **activemq::transport::Transport** (p. 4001).

6.568.3.43 virtual void activemq::transport::mock::MockTransport::setWireFormat (const Pointer< wireformat::WireFormat > &wireFormat *AMQCPP_UNUSED*) [inline, virtual]

Sets the WireFormat instance to use.

Parameters

wireFormat	WireFormat the object used to encode / decode commands.

6.568.3.44 virtual void activemq::transport::mock::MockTransport::start ( ) throw (decaf::io::IOException) [virtual]

Starts the **Transport** (p. 3996), the send methods of a **Transport** (p. 3996) will throw an exception if used before the **Transport** (p. 3996) is started.

Exceptions

IOException	if and error occurs while starting the **Transport** (p. 3996).

Implements **activemq::transport::Transport** (p. 4002).

6.568.3.45 virtual void activemq::transport::mock::MockTransport::stop ( ) throw (decaf::io::IOException) [virtual]

Stops the **Transport** (p. 3996).

Exceptions

IOException	if an error occurs while stopping the transport.

Implements **activemq::transport::Transport** (p. 4002).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/mock/**MockTransport.h**

6.569 activemq::transport::mock::MockTransportFactory Class Reference

Manufactures MockTransports, which are objects that read from input streams and write to output streams.

`#include <src/main/activemq/transport/mock/MockTransportFactory.h>`

Inheritance diagram for activemq::transport::mock::MockTransportFactory:

Public Member Functions

- virtual ~**MockTransportFactory** ()
- virtual **Pointer**< **Transport** > **create** (const **decaf::net::URI** &location) throw (exceptions::ActiveMQException)

  *Creates a fully configured **Transport** (p. 3996) instance which could be a chain of filters and transports.*

- virtual **Pointer**< **Transport** > **createComposite** (const **decaf::net::URI** &location) throw (exceptions::ActiveMQException)

  *Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.*

Protected Member Functions

- virtual **Pointer**< **Transport** > **doCreateComposite** (const **decaf::net::URI** &location, const **Pointer**< **wireformat::WireFormat** > &wireFormat, const **decaf::util::Properties** &properties) throw (exceptions::ActiveMQException)

*Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.*

6.569.1 Detailed Description

Manufactures MockTransports, which are objects that read from input streams and write to output streams.

6.569.2 Constructor & Destructor Documentation

6.569.2.1 virtual activemq::transport::mock::MockTransportFactory::~MockTransportFactory ( ) [inline, virtual]

6.569.3 Member Function Documentation

6.569.3.1 virtual Pointer<Transport> activemq::transport::mock::MockTransportFactory::create (const decaf::net::URI & *location*) throw (exceptions::ActiveMQException) [virtual]

Creates a fully configured **Transport** (p. 3996) instance which could be a chain of filters and transports.

Parameters

location	- URI location to connect to plus any properties to assign.

Exceptions

ActiveMQexception	if an error occurs

Implements **activemq::transport::TransportFactory** (p. 4003).

6.569.3.2 virtual Pointer<Transport> activemq::transport::mock::MockTransportFactory::createComposite (const decaf::net::URI & *location*) throw (exceptions::ActiveMQException) [virtual]

Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.

Parameters

location	- URI location to connect to plus any properties to assign.

Exceptions

ActiveMQException	if an error occurs

Implements **activemq::transport::TransportFactory** (p. 4004).

6.569.3.3 virtual Pointer<Transport> activemq::transport::mock::MockTransportFactory::doCreateComposite (const decaf::net::URI & *location,* const Pointer< wireformat::WireFormat > & *wireFormat,* const decaf::util::Properties & *properties*) throw (exceptions::ActiveMQException) `[protected, virtual]`

Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.

Parameters

location	- URI location to connect to.
wireFormat	- the assigned WireFormat for the new **Transport** (p. 3996).
properties	- Properties to apply to the transport.

Returns

Pointer to a new **Transport** (p. 3996) instance.

Exceptions

ActiveMQException	if an error occurs

The documentation for this class was generated from the following file:

- src/main/activemq/transport/mock/**MockTransportFactory.h**

6.570 decaf::util::concurrent::Mutex Class Reference

Mutex (p. 2866) object that offers recursive support on all platforms as well as providing the ability to use the standard wait / notify pattern used in languages like Java.

`#include <src/main/decaf/util/concurrent/Mutex.h>`

Inheritance diagram for decaf::util::concurrent::Mutex:

Public Member Functions

- **Mutex** ()
- virtual ~**Mutex** ()
- virtual void **lock** () throw (decaf::lang::exceptions::RuntimeException)

Locks the object.

- virtual bool **tryLock** () throw (decaf::lang::exceptions::RuntimeException)

  *Attempts to **Lock** (p. 2450) the object, if the lock is already held by another thread than this method returns false.*

- virtual void **unlock** () throw (decaf::lang::exceptions::RuntimeException)

  Unlocks the object.

- virtual void **wait** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMo decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs, int nanos) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateExceptio decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **notify** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals a waiter on this object that it can now wake up and continue.

- virtual void **notifyAll** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals the waiters on this object that it can now wake up and continue.

6.570.1 Detailed Description

Mutex (p. 2866) object that offers recursive support on all platforms as well as providing the ability to use the standard wait / notify pattern used in languages like Java.

Since

1.0

6.570.2 Constructor & Destructor Documentation

6.570.2.1 decaf::util::concurrent::Mutex::Mutex ( )

6.570.2.2 virtual decaf::util::concurrent::Mutex::~Mutex ( ) [virtual]

6.570.3 Member Function Documentation

6.570.3.1 virtual void decaf::util::concurrent::Mutex::lock ( ) throw (decaf::lang::exceptions::RuntimeException) [virtual]

Locks the object.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3812).

Referenced by decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >::lock(), decaf::util::StlMap< std::string, cms::Topic * >::lock(), decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::lock(), and decaf::util::AbstractCollection< cms::Connection * >::lock().

6.570.3.2 virtual void decaf::util::concurrent::Mutex::notify ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [virtual]

Signals a waiter on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.
RuntimeException	if an error occurs while notifying one of the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3813).

Referenced by decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >::notify(), decaf::util::StlMap< std::string, cms::Topic * >::notify(), decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::notify(), and decaf::util::AbstractCollection< cms::Connection * >::notify().

6.570.3.3 virtual void decaf::util::concurrent::Mutex::notifyAll ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [virtual]

Signals the waiters on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.
RuntimeException	if an error occurs while notifying the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3814).

Referenced by decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >::notifyAll(), decaf::util::StlMap< std::string, cms::Topic * >::notifyAll(), decaf::util::concurrent::Concurre
Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::notifyAll(),
and decaf::util::AbstractCollection< cms::Connection * >::notifyAll().

6.570.3.4 virtual bool decaf::util::concurrent::Mutex::tryLock ( ) throw (decaf::lang::exceptions::RuntimeException) [virtual]

Attempts to **Lock** (p. 2450) the object, if the lock is already held by another thread than this method returns false.

Returns

true if the lock was acquired, false if it is already held by another thread.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3815).

Referenced by decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >::tryLock(), decaf::util::StlMap< std::string, cms::Topic * >::tryLock(), decaf::util::concurrent::ConcurrentS
Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::tryLock(),
and decaf::util::AbstractCollection< cms::Connection * >::tryLock().

6.570.3.5 virtual void decaf::util::concurrent::Mutex::unlock ( ) throw (decaf::lang::exceptions::RuntimeException) [virtual]

Unlocks the object.

Exceptions

RuntimeException	if an error occurs while unlocking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3816).

Referenced by decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >::unlock(), decaf::util::StlMap< std::string, cms::Topic * >::unlock(), decaf::util::concurrent::ConcurrentStl
Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::unlock(),

and decaf::util::AbstractCollection< cms::Connection * >::unlock().

6.570.3.6 virtual void decaf::util::concurrent::Mutex::wait ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling.

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3818).

Referenced by decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >::wait(), decaf::util::StlMap< std::string, cms::Topic * >::wait(), decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >::wait(), and decaf::util::AbstractCollection< cms::Connection * >::wait().

6.570.3.7 virtual void decaf::util::concurrent::Mutex::wait (long long *millisecs*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3819).

6.570.3.8 virtual void decaf::util::concurrent::Mutex::wait (long long *millisecs*, int *nanos*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval. This method is similar to the one argument wait function except that it add a finer grained control over the amount of time that it waits by adding in the additional nanosecond argument.

NOTE: The ability to wait accurately at a nanosecond scale depends on the platform and OS that the Decaf API is running on, some systems do not provide an accurate enough clock to provide this level of granularity.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE
nanos	additional time in nanoseconds with a range of 0-999999

Exceptions

IllegalArgumentException	if an error occurs or the nanos argument is not in the range of [0-999999]
RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3820).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**Mutex.h**

6.571 decaf::util::concurrent::MutexHandle Class Reference

```
#include <src/main/decaf/internal/util/concurrent/unix/MutexHandle.h>
```

Public Member Functions

- **MutexHandle** ()
- ~**MutexHandle** ()
- **MutexHandle** ()
- ~**MutexHandle** ()

Data Fields

- pthread_mutex_t **mutex**
- volatile long long **lock_owner**
- volatile long long **lock_count**
- CRITICAL_SECTION **mutex**

6.571.1 Constructor & Destructor Documentation

6.571.1.1 decaf::util::concurrent::MutexHandle::MutexHandle ( ) [inline]

6.571.1.2 decaf::util::concurrent::MutexHandle::~MutexHandle ( ) [inline]

6.571.1.3 decaf::util::concurrent::MutexHandle::MutexHandle ( ) [inline]

6.571.1.4 decaf::util::concurrent::MutexHandle::~MutexHandle ( ) [inline]

6.571.2 Field Documentation

6.571.2.1 volatile long long decaf::util::concurrent::MutexHandle::lock_count

6.571.2.2 volatile long long decaf::util::concurrent::MutexHandle::lock_owner

6.571.2.3 CRITICAL_SECTION decaf::util::concurrent::MutexHandle::mutex

6.571.2.4 pthread_mutex_t decaf::util::concurrent::MutexHandle::mutex

The documentation for this class was generated from the following files:

- src/main/decaf/internal/util/concurrent/unix/**MutexHandle.h**
- src/main/decaf/internal/util/concurrent/windows/**MutexHandle.h**

6.572 decaf::internal::util::concurrent::MutexImpl Class Reference

```
#include <src/main/decaf/internal/util/concurrent/MutexImpl.h>
```

Static Public Member Functions

- static **decaf::util::concurrent::MutexHandle** * **create** ()

  Creates a Reentrant Mutex and returns the handle, throws a Runtime Exception if the Mutex cannot be created for some reason.

- static void **destroy** (**decaf::util::concurrent::MutexHandle** *handle)

  Destroy a previously create Mutex instance.

- static void **lock** (**decaf::util::concurrent::MutexHandle** ∗handle)

  Locks the Mutex.

- static bool **trylock** (**decaf::util::concurrent::MutexHandle** ∗handle)

  Tries to lock the Mutex.

- static void **unlock** (**decaf::util::concurrent::MutexHandle** ∗handle)

  Unlocks the Mutex allowing other Thread to then acquire the Lock on it.

6.572.1 Member Function Documentation

6.572.1.1 static decaf::util::concurrent::MutexHandle∗ decaf::internal::util::concurrent::MutexImpl::create ( ) [static]

Creates a Reentrant Mutex and returns the handle, throws a Runtime Exception if the Mutex cannot be created for some reason.

Returns

handle to a newly created Mutex.

6.572.1.2 static void decaf::internal::util::concurrent::MutexImpl::destroy (decaf::util::concurrent::MutexHandle ∗ *handle*) [static]

Destroy a previously create Mutex instance.

Parameters

mutex	The Mutex instance to be destroyed.

6.572.1.3 static void decaf::internal::util::concurrent::MutexImpl::lock (decaf::util::concurrent::MutexHandle ∗ *handle*) [static]

Locks the Mutex.

If the Mutex is already locked by another thread this method blocks until the Mutex becomes unlocked and this thread acquires the lock.

Parameters

handle	the handle to the Mutex to Lock.

6.572.1.4 static bool decaf::internal::util::concurrent::MutexImpl::trylock (decaf::util::concurrent::MutexHandle * *handle*) [static]

Tries to lock the Mutex.

If the Mutex is unlocked this Thread acquires the lock on the Mutex and this method returns true, if the Mutex is already locked then the lock is not acquired and this method returns false.

Parameters

handle	the handle to the Mutex to attempt to Lock.

Returns

true if the lock was acquired false otherwise.

6.572.1.5 static void decaf::internal::util::concurrent::MutexImpl::unlock (decaf::util::concurrent::MutexHandle * *handle*) [static]

Unlocks the Mutex allowing other Thread to then acquire the Lock on it.

Parameters

handle	the handle to the Mutex to attempt to Lock.

The documentation for this class was generated from the following file:

- src/main/decaf/internal/util/concurrent/**MutexImpl.h**

6.573 decaf::internal::net::Network Class Reference

Internal class used to manage Networking related resources and hide platform dependent calls from the higher level API.

```
#include <src/main/decaf/internal/net/Network.h>
```

Public Member Functions

- virtual ~**Network** ()
- **decaf::util::concurrent::Mutex** * **getRuntimeLock** ()

  *Gets a pointer to the **Network** (p. 2874) Runtime's Lock object, this can be used by **Network** (p. 2874) layer APIs to synchronize around certain actions such as adding a resource to the **Network** (p. 2874) layer, etc.*

- void **addNetworkResource** (**decaf::internal::util::Resource** *value)

  *Adds a Resource to the **Network** (p. 2874) Runtime, this resource will be held by the runtime until the Library shutdown method is called at which time all the Resources held by the **Network** (p. 2874) Runtime are destroyed.*

- template<typename T >
  void **addAsResource** (T *value)

Static Public Member Functions

- static **Network** * **getNetworkRuntime** ()

  *Gets the one and only instance of the **Network** (p. 2874) class, if this is called before the **Network** (p. 2874) layer has been initialized or after it has been shutdown then an IllegalStateException is thrown.*

- static void **initializeNetworking** ()

  Initialize the Networking layer.

- static void **shutdownNetworking** ()

  *Shutdown the **Network** (p. 2874) layer and free any associated resources, classes in the Decaf library that use the networking layer will now fail if used after calling the shutdown method.*

Protected Member Functions

- **Network** ()

6.573.1 Detailed Description

Internal class used to manage Networking related resources and hide platform dependent calls from the higher level API.

Since

1.0

6.573.2 Constructor & Destructor Documentation

6.573.2.1 decaf::internal::net::Network::Network ( ) [protected]

6.573.2.2 virtual decaf::internal::net::Network::~Network ( ) [virtual]

6.573.3 Member Function Documentation

6.573.3.1 template<typename T > void decaf::internal::net::Network::addAsResource (T * *value*) [inline]

6.573.3.2 void decaf::internal::net::Network::addNetworkResource (decaf::internal::util::Resource * *value*)

Adds a Resource to the **Network** (p. 2874) Runtime, this resource will be held by the runtime until the Library shutdown method is called at which time all the Resources held by the **Network** (p. 2874) Runtime are destroyed.

Parameters

value	The Resource to add to the **Network** (p. 2874) Runtime.

Exceptions

NullPointerException	if the Resource value passed is null.

6.573.3.3 static Network* decaf::internal::net::Network::getNetworkRuntime ( ) [static]

Gets the one and only instance of the **Network** (p. 2874) class, if this is called before the **Network** (p. 2874) layer has been initialized or after it has been shutdown then an IllegalStateException is thrown.

Returns

pointer to the **Network** (p. 2874) runtime for the Decaf library.

6.573.3.4 decaf::util::concurrent::Mutex* decaf::internal::net::Network::getRuntimeLock ( )

Gets a pointer to the **Network** (p. 2874) Runtime's Lock object, this can be used by **Network** (p. 2874) layer APIs to synchronize around certain actions such as adding a resource to the **Network** (p. 2874) layer, etc.

The pointer returned is owned by the **Network** (p. 2874) runtime and should not be deleted or copied by the caller.

Returns

a pointer to the **Network** (p. 2874) Runtime's single Lock instance.

6.573.3.5 static void decaf::internal::net::Network::initializeNetworking ( ) [static]

Initialize the Networking layer.

6.573.3.6 static void decaf::internal::net::Network::shutdownNetworking ( ) [static]

Shutdown the **Network** (p. 2874) layer and free any associated resources, classes in the Decaf library that use the networking layer will now fail if used after calling the shutdown method.

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/**Network.h**

6.574 activemq::commands::NetworkBridgeFilter Class Reference

`#include <src/main/activemq/commands/NetworkBridgeFilter.h>`

Inheritance diagram for activemq::commands::NetworkBridgeFilter:

Public Member Functions

- **NetworkBridgeFilter** ()
- virtual ∼**NetworkBridgeFilter** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **NetworkBridgeFilter** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

*Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual int **getNetworkTTL** () const
- virtual void **setNetworkTTL** (int **networkTTL**)
- virtual const **Pointer**< **BrokerId** > & **getNetworkBrokerId** () const
- virtual **Pointer**< **BrokerId** > & **getNetworkBrokerId** ()
- virtual void **setNetworkBrokerId** (const **Pointer**< **BrokerId** > &**networkBrokerId**)

Static Public Attributes

- static const unsigned char **ID_NETWORKBRIDGEFILTER** = 91

Protected Attributes

- int **networkTTL**
- **Pointer**< **BrokerId** > **networkBrokerId**

6.574.1 Constructor & Destructor Documentation

6.574.1.1 activemq::commands::NetworkBridgeFilter::NetworkBridgeFilter ( )

6.574.1.2 virtual activemq::commands::NetworkBridgeFilter::~NetworkBridgeFilter ( ) [virtual]

6.574.2 Member Function Documentation

6.574.2.1 virtual NetworkBridgeFilter* activemq::commands::NetworkBridgeFilter::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.574.2.2 virtual void activemq::commands::NetworkBridgeFilter::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

6.574.2.3 virtual bool activemq::commands::NetworkBridgeFilter::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

6.574.2.4 virtual unsigned char activemq::commands::NetworkBridgeFilter::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.574.2.5 virtual const Pointer<BrokerId>& activemq::commands::NetworkBridgeFilter::getNetworkBrokerId ( ) const [virtual]

6.574.2.6 virtual Pointer<BrokerId>& activemq::commands::NetworkBridgeFilter::getNetworkBrokerId ( ) [virtual]

6.574.2.7 virtual int activemq::commands::NetworkBridgeFilter::getNetworkTTL ( ) const [virtual]

6.574.2.8 virtual void activemq::commands::NetworkBridgeFilter::setNetworkBrokerId (const Pointer< BrokerId > & *networkBrokerId*) [virtual]

6.574.2.9 virtual void activemq::commands::NetworkBridgeFilter::setNetworkTTL (int *networkTTL*) [virtual]

6.574.2.10 virtual std::string activemq::commands::NetworkBridgeFilter::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

6.574.3 Field Documentation

6.574.3.1 const unsigned char activemq::commands::NetworkBridgeFilter::ID_NETWORKBRIDGEFILTER = 91 [static]

6.574.3.2 Pointer<BrokerId> activemq::commands::NetworkBridgeFilter::networkBrokerId [protected]

6.574.3.3 int activemq::commands::NetworkBridgeFilter::networkTTL [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**NetworkBridgeFilter.h**

6.575 activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller Class Reference

Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2881).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/NetworkBridgeFi`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller:

Public Member Functions

- **NetworkBridgeFilterMarshaller** ()
- virtual ∼**NetworkBridgeFilterMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.575.1 Detailed Description

Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2881).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.575.2 Constructor & Destructor Documentation

6.575.2.1 activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller::NetworkBridgeFilterMarshaller ( ) [inline]

6.575.2.2 virtual activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller::~NetworkBridgeFilterMarshaller ( ) [inline, virtual]

6.575.3 Member Function Documentation

6.575.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.575.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.575.3.3 virtual void activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.575.3.4 virtual void activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.575.3.5 virtual int activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.575.3.6 virtual void activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.575.3.7 virtual void activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**NetworkBridgeFilterMarshaller.h**

6.576 activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller Class Reference

Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2885).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/NetworkBridgeFi
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller:

Public Member Functions

- **NetworkBridgeFilterMarshaller** ()
- virtual ~**NetworkBridgeFilterMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.576.1 Detailed Description

Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2885).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.576.2 Constructor & Destructor Documentation

6.576.2.1 activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller::NetworkBridgeFilterMarshaller ( ) [inline]

6.576.2.2 virtual activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller::~NetworkBridgeFilterMarshaller ( ) [inline, virtual]

6.576.3 Member Function Documentation

6.576.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.576.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.576.3.3 virtual void activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.576.3.4 virtual void activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.576.3.5 virtual int activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.576.3.6 virtual void activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.576.3.7 virtual void activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**NetworkBridgeFilterMarshaller.h**

6.577 activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller Class Reference

Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2889).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/NetworkBridgeFi
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller:

Public Member Functions

- **NetworkBridgeFilterMarshaller** ()
- virtual ∼**NetworkBridgeFilterMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.577.1 Detailed Description

Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2889).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.577.2 Constructor & Destructor Documentation

6.577.2.1 activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller::NetworkBridgeFilterMarshaller ( ) [inline]

6.577.2.2 virtual activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller::~NetworkBridgeFilterMarshaller ( ) [inline, virtual]

6.577.3 Member Function Documentation

6.577.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.577.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.577.3.3 virtual void activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.577.3.4 virtual void activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.577.3.5 virtual int activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.577.3.6 virtual void activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.577.3.7 virtual void activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**NetworkBridgeFilterMarshaller.h**

6.578 activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller Class Reference

Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2893).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/NetworkBridgeFi
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller:

Public Member Functions

- **NetworkBridgeFilterMarshaller** ()
- virtual ~**NetworkBridgeFilterMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.578.1 Detailed Description

Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2893).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.578.2 Constructor & Destructor Documentation

6.578.2.1 activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller::NetworkBridgeFilterMarshaller ( ) [inline]

6.578.2.2 virtual activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller::~NetworkBridgeFilterMarshaller ( ) [inline, virtual]

6.578.3 Member Function Documentation

6.578.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.578.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.578.3.3 virtual void activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.578.3.4 virtual void activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.578.3.5 virtual int activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.578.3.6 virtual void activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.578.3.7 virtual void activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**NetworkBridgeFilterMarshaller.h**

6.579 activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller Class Reference

Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2897).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/NetworkBridgeFi`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller:

Public Member Functions

- **NetworkBridgeFilterMarshaller** ()
- virtual ~**NetworkBridgeFilterMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.579.1 Detailed Description

Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2897).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.579.2 Constructor & Destructor Documentation

6.579.2.1 activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller::NetworkBridgeFilterMarshaller ( ) [inline]

6.579.2.2 virtual activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller::~NetworkBridgeFilterMarshaller ( ) [inline, virtual]

6.579.3 Member Function Documentation

6.579.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.579.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.579.3.3 virtual void activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.579.3.4 virtual void activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.579.3.5 virtual int activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.579.3.6 virtual void activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.579.3.7 virtual void activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**NetworkBridgeFilterMarshaller.h**

6.580 activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller Class Reference

Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2901).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/NetworkBridgeFi
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller:

Public Member Functions

- **NetworkBridgeFilterMarshaller** ()
- virtual ~**NetworkBridgeFilterMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.580.1 Detailed Description

Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2901).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.580.2 Constructor & Destructor Documentation

6.580.2.1 activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller::NetworkBridgeFilterMarshaller ( ) [inline]

6.580.2.2 virtual activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller::~NetworkBridgeFilterMarshaller ( ) [inline, virtual]

6.580.3 Member Function Documentation

6.580.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.580.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.580.3.3 virtual void activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.580.3.4 virtual void activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.580.3.5 virtual int activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.580.3.6 virtual void activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.580.3.7 virtual void activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**NetworkBridgeFilterMarshaller.h**

6.581 decaf::net::NoRouteToHostException Class Reference

`#include <src/main/decaf/net/NoRouteToHostException.h>`

Inheritance diagram for decaf::net::NoRouteToHostException:

Public Member Functions

- **NoRouteToHostException** () throw ()

  Default Constructor.

- **NoRouteToHostException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **NoRouteToHostException** (const **NoRouteToHostException** &ex) throw ()

  Copy Constructor.

- **NoRouteToHostException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **NoRouteToHostException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **NoRouteToHostException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **NoRouteToHostException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**NoRouteToHostException** () throw ()

6.581.1 Constructor & Destructor Documentation

6.581.1.1 decaf::net::NoRouteToHostException::NoRouteToHostException ( ) throw () [inline]

Default Constructor.

6.581.1.2 decaf::net::NoRouteToHostException::NoRouteToHostException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.581.1.3 decaf::net::NoRouteToHostException::NoRouteToHostException (const NoRouteToHostException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.581.1.4 decaf::net::NoRouteToHostException::NoRouteToHostException (const char * *file,* const int *lineNumber,* const std::exception * *cause,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.581.1.5 decaf::net::NoRouteToHostException::NoRouteToHostException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.581.1.6 decaf::net::NoRouteToHostException::NoRouteToHostException (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.581.1.7 virtual decaf::net::NoRouteToHostException::~NoRouteToHostException ( ) throw () [inline, virtual]

6.581.2 Member Function Documentation

6.581.2.1 virtual NoRouteToHostException* decaf::net::NoRouteToHostException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new Exception instance that is a copy of this Exception object.

Reimplemented from **decaf::net::SocketException** (p. 3629).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**NoRouteToHostException.h**

6.582 decaf::security::NoSuchAlgorithmException Class Reference

`#include <src/main/decaf/security/NoSuchAlgorithmException.h>`

Inheritance diagram for decaf::security::NoSuchAlgorithmException:

Public Member Functions

- **NoSuchAlgorithmException** () throw ()

Default Constructor.

- **NoSuchAlgorithmException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **NoSuchAlgorithmException** (const **NoSuchAlgorithmException** &ex) throw ()

  Copy Constructor.

- **NoSuchAlgorithmException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **NoSuchAlgorithmException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **NoSuchAlgorithmException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **NoSuchAlgorithmException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**NoSuchAlgorithmException** () throw ()

6.582.1 Constructor & Destructor Documentation

6.582.1.1 decaf::security::NoSuchAlgorithmException::NoSuchAlgorithmException ( ) throw () [inline]

Default Constructor.

6.582.1.2 decaf::security::NoSuchAlgorithmException::NoSuchAlgorithmException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.582.1.3 decaf::security::NoSuchAlgorithmException::NoSuchAlgorithmException (const NoSuchAlgorithmException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.582.1.4 decaf::security::NoSuchAlgorithmException::NoSuchAlgorithmException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.582.1.5 decaf::security::NoSuchAlgorithmException::NoSuchAlgorithmException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.582.1.6 decaf::security::NoSuchAlgorithmException::NoSuchAlgorithmException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	name where exception occurs
lineNumber	line number where the exception occurred.
msg	message to report
...	list of primitives that are formatted into the message

6.582.1.7 virtual decaf::security::NoSuchAlgorithmException::~NoSuchAlgorithmException ( ) throw () [inline, virtual]

6.582.2 Member Function Documentation

6.582.2.1 virtual NoSuchAlgorithmException* decaf::security::NoSuchAlgorithmException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A deep copy of this exception.

Reimplemented from **decaf::security::GeneralSecurityException** (p. 2037).

The documentation for this class was generated from the following file:

- src/main/decaf/security/**NoSuchAlgorithmException.h**

6.583 decaf::lang::exceptions::NoSuchElementException Class Reference

```
#include <src/main/decaf/lang/exceptions/NoSuchElementException.h>
```

Inheritance diagram for decaf::lang::exceptions::NoSuchElementException:

Public Member Functions

- **NoSuchElementException** () throw ()

  Default Constructor.

- **NoSuchElementException** (const **Exception** &ex) throw ()

  *Conversion Constructor from some other **Exception*** (p. *1886).*

- **NoSuchElementException** (const **NoSuchElementException** &ex) throw ()

  Copy Constructor.

- **NoSuchElementException** (const char *file, const int lineNumber, const std::exception ***cause**, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **NoSuchElementException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **NoSuchElementException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occured.

- virtual **NoSuchElementException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**NoSuchElementException** () throw ()

6.583.1 Constructor & Destructor Documentation

6.583.1.1 decaf::lang::exceptions::NoSuchElementException::NoSuchElementException ( ) throw () [inline]

Default Constructor.

6.583.1.2 decaf::lang::exceptions::NoSuchElementException::NoSuchElementException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other **Exception** (p. 1886).

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.583.1.3 decaf::lang::exceptions::NoSuchElementException::NoSuchElementException (const NoSuchElementException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.583.1.4 decaf::lang::exceptions::NoSuchElementException::NoSuchElementException (const char ∗ *file,* const int *lineNumber,* const std::exception ∗ *cause,* const char ∗ *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.583.1.5 decaf::lang::exceptions::NoSuchElementException::NoSuchElementException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.583.1.6 decaf::lang::exceptions::NoSuchElementException::NoSuchElementException (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occured.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.583.1.7 virtual decaf::lang::exceptions::NoSuchElementException::~NoSuchElementException ( ) throw () [inline, virtual]

6.583.2 Member Function Documentation

6.583.2.1 virtual NoSuchElementException* decaf::lang::exceptions::NoSuchElementException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

an new **Exception** (p. 1886) instance that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/exceptions/**NoSuchElementException.h**

6.584 decaf::security::NoSuchProviderException Class Reference

`#include <src/main/decaf/security/NoSuchProviderException.h>`

Inheritance diagram for decaf::security::NoSuchProviderException:

Public Member Functions

- **NoSuchProviderException** () throw ()
  Default Constructor.
- **NoSuchProviderException** (const Exception &ex) throw ()
  Conversion Constructor from some other Exception.
- **NoSuchProviderException** (const **NoSuchProviderException** &ex) throw ()
  Copy Constructor.
- **NoSuchProviderException** (const char *file, const int lineNumber, const std::exception ***cause**, const char *msg,...) throw ()
  Constructor - Initializes the file name and line number where this message occurred.
- **NoSuchProviderException** (const std::exception ***cause**) throw ()
  Constructor.
- **NoSuchProviderException** (const char *file, const int lineNumber, const char *msg,...) throw ()
  Constructor - Initializes the file name and line number where this message occured.
- virtual **NoSuchProviderException** * **clone** () const
  Clones this exception.
- virtual ~**NoSuchProviderException** () throw ()

6.584.1 Constructor & Destructor Documentation

6.584.1.1 decaf::security::NoSuchProviderException::NoSuchProviderException ( ) throw () [inline]

Default Constructor.

6.584.1.2 decaf::security::NoSuchProviderException::NoSuchProviderException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.584.1.3 decaf::security::NoSuchProviderException::NoSuchProviderException (const NoSuchProviderException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.584.1.4 decaf::security::NoSuchProviderException::NoSuchProviderException (const char * *file,* const int *lineNumber,* const std::exception * *cause,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.584.1.5 decaf::security::NoSuchProviderException::NoSuchProviderException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.584.1.6 decaf::security::NoSuchProviderException::NoSuchProviderException (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occured.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	name where exception occurs
lineNumber	line number where the exception occurred.
msg	message to report
...	list of primitives that are formatted into the message

6.584.1.7 virtual decaf::security::NoSuchProviderException::~NoSuchProviderException ( ) throw () [inline, virtual]

6.584.2 Member Function Documentation

6.584.2.1 virtual NoSuchProviderException* decaf::security::NoSuchProviderException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A deep copy of this exception.

Reimplemented from **decaf::security::GeneralSecurityException** (p. 2037).

The documentation for this class was generated from the following file:

- src/main/decaf/security/**NoSuchProviderException.h**

6.585 decaf::lang::exceptions::NullPointerException Class Reference

`#include <src/main/decaf/lang/exceptions/NullPointerException.h>`

Inheritance diagram for decaf::lang::exceptions::NullPointerException:

Public Member Functions

- **NullPointerException** () throw ()

Default Constructor.

- **NullPointerException** (const **Exception** &ex) throw ()

  *Conversion Constructor from some other **Exception** (p. 1886).*

- **NullPointerException** (const **NullPointerException** &ex) throw ()

  Copy Constructor.

- **NullPointerException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **NullPointerException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **NullPointerException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occured.

- virtual **NullPointerException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**NullPointerException** () throw ()

6.585.1 Constructor & Destructor Documentation

6.585.1.1 decaf::lang::exceptions::NullPointerException::NullPointerException ( ) throw () [inline]

Default Constructor.

6.585.1.2 decaf::lang::exceptions::NullPointerException::NullPointerException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other **Exception** (p. 1886).

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.585.1.3 decaf::lang::exceptions::NullPointerException::NullPointerException (const NullPointerException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.585.1.4 decaf::lang::exceptions::NullPointerException::NullPointerException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.585.1.5 decaf::lang::exceptions::NullPointerException::NullPointerException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.585.1.6 decaf::lang::exceptions::NullPointerException::NullPointerException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occured.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.585.1.7 virtual decaf::lang::exceptions::NullPointerException::~NullPointerException ( ) throw () [inline, virtual]

6.585.2 Member Function Documentation

6.585.2.1 virtual NullPointerException* decaf::lang::exceptions::NullPointerException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

an new **Exception** (p. 1886) instance that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/exceptions/**NullPointerException.h**

6.586 decaf::lang::Number Class Reference

The abstract class **Number** (p. 2918) is the superclass of classes **Byte** (p. 969), **Double** (p. 1841), **Float** (p. 1961), **Integer** (p. 2143), **Long** (p. 2495), and **Short** (p. 3538).

```
#include <src/main/decaf/lang/Number.h>
```

Inheritance diagram for decaf::lang::Number:

Public Member Functions

- virtual ~**Number** ()
- virtual unsigned char **byteValue** () const

  Answers the byte value which the receiver represents.

- virtual double **doubleValue** () const =0

  Answers the double value which the receiver represents.

- virtual float **floatValue** () const =0

  Answers the float value which the receiver represents.

- virtual int **intValue** () const =0

Answers the int value which the receiver represents.

- virtual long long **longValue** () const =0

  Answers the long value which the receiver represents.

- virtual short **shortValue** () const

  Answers the short value which the receiver represents.

6.586.1 Detailed Description

The abstract class **Number** (p. 2918) is the superclass of classes **Byte** (p. 969), **Double** (p. 1841), **Float** (p. 1961), **Integer** (p. 2143), **Long** (p. 2495), and **Short** (p. 3538). Subclasses of **Number** (p. 2918) must provide methods to convert the represented numeric value to byte, double, float, int, long, and short.

6.586.2 Constructor & Destructor Documentation

6.586.2.1 virtual decaf::lang::Number::~Number ( ) [inline, virtual]

6.586.3 Member Function Documentation

6.586.3.1 virtual unsigned char decaf::lang::Number::byteValue ( ) const [inline, virtual]

Answers the byte value which the receiver represents.

Returns

byte the value of the receiver.

Reimplemented in **decaf::lang::Byte** (p. 972), **decaf::lang::Character** (p. 1129), **decaf::lang::Double** (p. 1844), **decaf::lang::Float** (p. 1964), **decaf::lang::Integer** (p. 2147), **decaf::lang::Long** (p. 2499), and **decaf::lang::Short** (p. 3541).

6.586.3.2 virtual double decaf::lang::Number::doubleValue ( ) const [pure virtual]

Answers the double value which the receiver represents.

Returns

double the value of the receiver.

Implemented in **decaf::lang::Byte** (p. 973), **decaf::lang::Character** (p. 1130), **decaf::lang::Double** (p. 1846), **decaf::lang::Float** (p. 1966), **decaf::lang::Integer** (p. 2148), **decaf::lang::Long** (p. 2500), **decaf::lang::Short** (p. 3542), and **decaf::util::concurrent::atomic::AtomicInte** (p. 751).

6.586.3.3 virtual float decaf::lang::Number::floatValue ( ) const [pure virtual]

Answers the float value which the receiver represents.

Returns

float the value of the receiver.

Implemented in **decaf::lang::Byte** (p. 974), **decaf::lang::Character** (p. 1131), **decaf::lang::Double** (p. 1847), **decaf::lang::Float** (p. 1967), **decaf::lang::Integer** (p. 2149), **decaf::lang::Long** (p. 2501), **decaf::lang::Short** (p. 3543), and **decaf::util::concurrent::atomic::AtomicInteger** (p. 751).

6.586.3.4 virtual int decaf::lang::Number::intValue ( ) const [pure virtual]

Answers the int value which the receiver represents.

Returns

int the value of the receiver.

Implemented in **decaf::lang::Byte** (p. 974), **decaf::lang::Character** (p. 1131), **decaf::lang::Double** (p. 1847), **decaf::lang::Float** (p. 1968), **decaf::lang::Integer** (p. 2150), **decaf::lang::Long** (p. 2501), **decaf::lang::Short** (p. 3543), and **decaf::util::concurrent::atomic::AtomicInteger** (p. 753).

6.586.3.5 virtual long long decaf::lang::Number::longValue ( ) const [pure virtual]

Answers the long value which the receiver represents.

Returns

long long the value of the receiver.

Implemented in **decaf::lang::Byte** (p. 974), **decaf::lang::Character** (p. 1132), **decaf::lang::Double** (p. 1849), **decaf::lang::Float** (p. 1969), **decaf::lang::Integer** (p. 2150), **decaf::lang::Long** (p. 2502), **decaf::lang::Short** (p. 3543), and **decaf::util::concurrent::atomic::AtomicInteger** (p. 753).

6.586.3.6 virtual short decaf::lang::Number::shortValue ( ) const [inline, virtual]

Answers the short value which the receiver represents.

Returns

short the value of the receiver.

Reimplemented in **decaf::lang::Byte** (p. 977), **decaf::lang::Character** (p. 1134), **decaf::lang::Double** (p. 1850), **decaf::lang::Float** (p. 1971), **decaf::lang::Integer** (p. 2155), **decaf::lang::Long** (p. 2507), and **decaf::lang::Short** (p. 3546).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Number.h**

6.587 decaf::lang::exceptions::NumberFormatException Class Reference

`#include <src/main/decaf/lang/exceptions/NumberFormatException.h>`

Inheritance diagram for decaf::lang::exceptions::NumberFormatException:

Public Member Functions

- **NumberFormatException** ()

  Default Constructor.

- **NumberFormatException** (const **Exception** &ex) throw ()

  *Conversion Constructor from some other **Exception** (p. 1886).*

- **NumberFormatException** (const **NumberFormatException** &ex) throw ()

  Copy Constructor.

- **NumberFormatException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **NumberFormatException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **NumberFormatException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occured.

- virtual **NumberFormatException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**NumberFormatException** () throw ()

6.587.1 Constructor & Destructor Documentation

6.587.1.1 decaf::lang::exceptions::NumberFormatException::NumberFormatException ( ) [inline]

Default Constructor.

Referenced by clone().

6.587.1.2 decaf::lang::exceptions::NumberFormatException::NumberFormatException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other **Exception** (p. 1886).

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.587.1.3 decaf::lang::exceptions::NumberFormatException::NumberFormatException (const NumberFormatException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.587.1.4 decaf::lang::exceptions::NumberFormatException::NumberFormatException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

References decaf::lang::Exception::buildMessage(), and decaf::lang::Exception::setMark().

6.587.1.5 decaf::lang::exceptions::NumberFormatException::NumberFormatException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.587.1.6 decaf::lang::exceptions::NumberFormatException::NumberFormatException (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occured.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

References decaf::lang::Exception::buildMessage(), and decaf::lang::Exception::setMark().

6.587.1.7 virtual decaf::lang::exceptions::NumberFormatException::~NumberFormatException ( ) throw () [inline, virtual]

6.587.2 Member Function Documentation

6.587.2.1 virtual NumberFormatException* decaf::lang::exceptions::NumberFormatException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

an new **Exception** (p. 1886) instance that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

References NumberFormatException().

The documentation for this class was generated from the following file:

- src/main/decaf/lang/exceptions/**NumberFormatException.h**

6.588 cms::ObjectMessage Class Reference

Place holder for interaction with JMS systems that support Java, the C++ client is not responsible for deserializing the contained Object.

`#include <src/main/cms/ObjectMessage.h>`

Inheritance diagram for cms::ObjectMessage:

Public Member Functions

- virtual ~**ObjectMessage** ()

6.588.1 Detailed Description

Place holder for interaction with JMS systems that support Java, the C++ client is not responsible for deserializing the contained Object. serialized **ObjectMessage** (p. 2924) s.

Since

1.0

6.588.2 Constructor & Destructor Documentation

6.588.2.1 virtual cms::ObjectMessage::~ObjectMessage ( ) [inline, virtual]

The documentation for this class was generated from the following file:

- src/main/cms/**ObjectMessage.h**

6.589 decaf::internal::net::ssl::openssl::OpenSSLContextSpi Class Reference

Provides an SSLContext that wraps the OpenSSL API.

`#include <src/main/decaf/internal/net/ssl/openssl/OpenSSLContextSpi.h>`

Inheritance diagram for decaf::internal::net::ssl::openssl::OpenSSLContextSpi:

Public Member Functions

- **OpenSSLContextSpi** ()

- virtual ~**OpenSSLContextSpi** ()
- virtual void **providerInit** (**security::SecureRandom** *random)

  Perform the initialization of this Context.

  Parameters

random	*Pointer to an instance of a secure random number generator.*

  Exceptions

NullPointerException	*if the SecureRandom instance is NULL.*
KeyManagementException	*if an error occurs while initializing the context.*

- virtual **decaf::net::SocketFactory** * **providerGetSocketFactory** ()

  *Returns a **SocketFactory** (p. 3629) instance that can be used to create new **SSLSocket** (p. 3670) objects.*
  *The **SocketFactory** (p. 3629) is owned by the Service Provider and should not be destroyed by the caller.*

  Returns

  ***SocketFactory** (p. 3629) instance that can be used to create new SSLSockets.*

  Exceptions

IllegalStateException	*if the **SSLContextSpi** (p. 3655) object requires initialization but has not been initialized yet.*

- virtual **decaf::net::ServerSocketFactory** * **providerGetServerSocketFactory** ()

  *Returns a **ServerSocketFactory** (p. 3457) instance that can be used to create new **SSLServerSocket** (p. 3662) objects.*
  *The **ServerSocketFactory** (p. 3457) is owned by the Service Provider and should not be destroyed by the caller.*

  Returns

  ***SocketFactory** (p. 3629) instance that can be used to create new SSLServerSockets.*

  Exceptions

IllegalStateException	*if the **SSLContextSpi** (p. 3655) object requires initialization but has not been initialized yet.*

Friends

- class **OpenSSLSocket**
- class **OpenSSLSocketFactory**

6.589.1 Detailed Description

Provides an SSLContext that wraps the OpenSSL API.

Since

1.0

6.589.2 Constructor & Destructor Documentation

6.589.2.1 decaf::internal::net::ssl::openssl::OpenSSLContextSpi::OpenSSLContextSpi ( )

6.589.2.2 virtual decaf::internal::net::ssl::openssl::OpenSSLContextSpi::∼OpenSSLContextSpi ( ) [virtual]

6.589.3 Member Function Documentation

6.589.3.1 virtual decaf::net::ServerSocketFactory∗ decaf::internal::net::ssl::openssl::OpenSSLContextSpi::providerGetServerSocketFactory ( ) [virtual]

Returns a **ServerSocketFactory** (p. 3457) instance that can be used to create new **SSLServerSocket** (p. 3662) objects.

The **ServerSocketFactory** (p. 3457) is owned by the Service Provider and should not be destroyed by the caller.

Returns

SocketFactory (p. 3629) instance that can be used to create new SSLServerSockets.

Exceptions

IllegalStateException	if the **SSLContextSpi** (p. 3655) object requires initialization but has not been initialized yet.

Implements **decaf::net::ssl::SSLContextSpi** (p. 3657).

6.589.3.2 virtual decaf::net::SocketFactory∗ decaf::internal::net::ssl::openssl::OpenSSLContextSpi::providerGetSocketFactory ( ) [virtual]

Returns a **SocketFactory** (p. 3629) instance that can be used to create new **SSLSocket** (p. 3670) objects.

The **SocketFactory** (p. 3629) is owned by the Service Provider and should not be destroyed by the caller.

Returns

SocketFactory (p. 3629) instance that can be used to create new SSLSockets.

Exceptions

IllegalStateException	if the **SSLContextSpi** (p. 3655) object requires initialization but has not been initialized yet.

Implements **decaf::net::ssl::SSLContextSpi** (p. 3657).

6.589.3.3 virtual void decaf::internal::net::ssl::openssl::OpenSSLContextSpi::providerInit (security::SecureRandom * *random*) [virtual]

Perform the initialization of this Context.

Parameters

random	Pointer to an instance of a secure random number generator.

Exceptions

NullPointerException	if the SecureRandom instance is NULL.
KeyManagementException	if an error occurs while initializing the context.

Implements **decaf::net::ssl::SSLContextSpi** (p. 3658).

6.589.4 Friends And Related Function Documentation

6.589.4.1 friend class OpenSSLSocket [friend]

6.589.4.2 friend class OpenSSLSocketFactory [friend]

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/ssl/openssl/**OpenSSLContextSpi.h**

6.590 decaf::internal::net::ssl::openssl::OpenSSLParameters Class Reference

Container class for parameters that are Common to OpenSSL socket classes.

```
#include <src/main/decaf/internal/net/ssl/openssl/OpenSSLParameters.h>
```

Public Member Functions

- virtual ~**OpenSSLParameters** ()
- bool **getNeedClientAuth** () const
- void **setNeedClientAuth** (bool value)

- bool **getWantClientAuth** () const
- void **setWantClientAuth** (bool value)
- bool **getUseClientMode** () const
- void **setUseClientMode** (bool value)
- std::vector< std::string > **getSupportedCipherSuites** () const
- std::vector< std::string > **getSupportedProtocols** () const
- std::vector< std::string > **getEnabledCipherSuites** () const
- void **setEnabledCipherSuites** (const std::vector< std::string > &suites)
- std::vector< std::string > **getEnabledProtocols** () const
- void **setEnabledProtocols** (const std::vector< std::string > &protocols)
- **OpenSSLParameters** ∗ **clone** () const

  Creates a clone of this object such that all settings are transferred to a new instance of an SSL object whose parent is the same SSL_CTX as this object's.

6.590.1 Detailed Description

Container class for parameters that are Common to OpenSSL socket classes.

Since

1.0

6.590.2 Constructor & Destructor Documentation

6.590.2.1 virtual decaf::internal::net::ssl::openssl::OpenSSLParameters::∼OpenSSLParameters ( ) [virtual]

6.590.3 Member Function Documentation

6.590.3.1 OpenSSLParameters∗ decaf::internal::net::ssl::openssl::OpenSSLParameters::clone ( ) const

Creates a clone of this object such that all settings are transferred to a new instance of an SSL object whose parent is the same SSL_CTX as this object's.

6.590.3.2 std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLParameters::getEnabledCipherSuites ( ) const

6.590.3.3 std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLParameters::getEnabledProtocols ( ) const

6.590.3.4 bool decaf::internal::net::ssl::openssl::OpenSSLParameters::getNeedClientAuth ( ) const [inline]

6.590.3.5 std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLParameters::getSupportedCipherSuites ( ) const

6.590.3.6 std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLParameters::getSupportedProtocols ( ) const

6.590.3.7 bool decaf::internal::net::ssl::openssl::OpenSSLParameters::getUseClientMode ( ) const [inline]

6.590.3.8 bool decaf::internal::net::ssl::openssl::OpenSSLParameters::getWantClientAuth ( ) const [inline]

6.590.3.9 void decaf::internal::net::ssl::openssl::OpenSSLParameters::setEnabledCipherSuites (const std::vector< std::string > & *suites*)

6.590.3.10 void decaf::internal::net::ssl::openssl::OpenSSLParameters::setEnabledProtocols (const std::vector< std::string > & *protocols*)

6.590.3.11 void decaf::internal::net::ssl::openssl::OpenSSLParameters::setNeedClientAuth (bool *value*) [inline]

6.590.3.12 void decaf::internal::net::ssl::openssl::OpenSSLParameters::setUseClientMode (bool *value*) [inline]

6.590.3.13 void decaf::internal::net::ssl::openssl::OpenSSLParameters::setWantClientAuth (bool *value*) [inline]

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/ssl/openssl/**OpenSSLParameters.h**

6.591 decaf::internal::net::ssl::openssl::OpenSSLServerSocket Class Reference

SSLServerSocket based on OpenSSL library code.

`#include <src/main/decaf/internal/net/ssl/openssl/OpenSSLServerSocket.h>`

Inheritance diagram for decaf::internal::net::ssl::openssl::OpenSSLServerSocket:

Public Member Functions

- **OpenSSLServerSocket** (**OpenSSLParameters** *parameters)
- virtual ~**OpenSSLServerSocket** ()
- virtual std::vector< std::string > **getSupportedCipherSuites** () const

  *Gets a vector containing the names of all the cipher suites that are supported by this **SSLServerSocket** (p. 3662).*
  *Normally not all of these cipher suites will be enabled on the **Socket** (p. 3607).*
  Returns

  a vector containing the names of all the supported cipher suites.

- virtual std::vector< std::string > **getSupportedProtocols** () const

  *Gets a vector containing the names of all the protocols that could be enabled for this **SSLServerSocket** (p. 3662) instance.*
  Returns

  a vector containing the names of all the supported protocols.

- virtual std::vector< std::string > **getEnabledCipherSuites** () const

  *Returns a vector containing the names of all the currently enabled Cipher Suites for this **SSLServerSocket** (p. 3662).*
  Returns

  vector of the names of all enabled Cipher Suites.

- virtual void **setEnabledCipherSuites** (const std::vector< std::string > &suites)

  *Sets the Cipher Suites that are to be enabled on the **SSLServerSocket** (p. 3662) connection.*
  Each of the named Cipher Suites must appear in the list of supported cipher suites for this connection or an exception will be thrown.
  Parameters

suites	*An Vector of names for all the Cipher Suites that are to be enabled.*

  Exceptions

IllegalArgumentException	*if the vector is empty or one of the names is invalid.*

- virtual std::vector< std::string > **getEnabledProtocols** () const

  *Returns a vector containing the names of all the currently enabled Protocols for this **SSLServerSocket** (p. 3662).*
  Returns

  vector of the names of all enabled Protocols.

- virtual void **setEnabledProtocols** (const std::vector< std::string > &protocols)

  *Sets the Protocols that are to be enabled on the **SSLServerSocket** (p. 3662) connection.*
  Each of the named Protocols must appear in the list of supported protocols suites for this connection or an exception will be thrown.
  Parameters

protocols	*An Vector of names for all the Protocols that are to be enabled.*

  Exceptions

IllegalArgumentException	*if the vector is empty or one of the names is invalid.*

- virtual bool **getWantClientAuth** () const

  Returns

  *true if the **Socket** (p. 3607) request client Authentication.*

- virtual void **setWantClientAuth** (bool value)

  *Sets whether or not this **Socket** (p. 3607) will request Client Authentication.*
  *If set to true the **Socket** (p. 3607) (when used in server mode) will request that the client authenticate itself, if the client doesn't send authentication the socket will still allow negotiation to continue.*
  Parameters

value	*Whether the server socket should request client authentication.*

- virtual bool **getNeedClientAuth** () const

  Returns

  *true if the **Socket** (p. 3607) requires client Authentication.*

- virtual void **setNeedClientAuth** (bool value)

  *Sets whether or not this **Socket** (p. 3607) will require Client Authentication.*
  *If set to true the **Socket** (p. 3607) (when used in server mode) will require that the client authenticate itself, if the client doesn't send authentication the socket will not allow negotiation to continue.*
  Parameters

value	*Whether the server socket should require client authentication.*

- virtual **decaf::net::Socket** ∗ **accept** () throw (decaf::io::IOException)

  *Listens for a connection request on the bound IPAddress and Port for this **ServerSocket** (p. 3447), the caller blocks until a connection is made.*
  *If the SO_TIMEOUT option is set this method could throw a **SocketTimeoutException** (p. 3650) if the operation times out.*
  Returns

  *a new **Socket** (p. 3607) object pointer. Never returns NULL, the returned pointer*

is owned by the caller and must be explicitly freed by them.

Exceptions

IOException	*if an I/O error occurs while binding the socket.*
SocketException (p. 3627)	*if an error occurs while blocking on the accept call.*
SocketTimeoutException (p. 3650)	*if the SO_TIMEOUT option was used and the accept timed out.*

6.591.1 Detailed Description

SSLServerSocket based on OpenSSL library code.

Since

1.0

6.591.2 Constructor & Destructor Documentation

6.591.2.1 decaf::internal::net::ssl::openssl::OpenSSLServerSocket::OpenSSLServerSocket (OpenSSLParameters * *parameters*)

6.591.2.2 virtual decaf::internal::net::ssl::openssl::OpenSSLServerSocket::~OpenSSLServerSocket ( ) [virtual]

6.591.3 Member Function Documentation

6.591.3.1 virtual decaf::net::Socket* decaf::internal::net::ssl::openssl::OpenSSLServerSocket::accept ( ) throw (decaf::io::IOException) [virtual]

Listens for a connection request on the bound IPAddress and Port for this **ServerSocket** (p. 3447), the caller blocks until a connection is made.

If the SO_TIMEOUT option is set this method could throw a **SocketTimeoutException** (p. 3650) if the operation times out.

Returns

a new **Socket** (p. 3607) object pointer. Never returns NULL, the returned pointer is owned by the caller and must be explicitly freed by them.

Exceptions

IOException	if an I/O error occurs while binding the socket.
SocketException *(p. 3627)*	if an error occurs while blocking on the accept call.
SocketTimeoutException *(p. 3650)*	if the SO_TIMEOUT option was used and the accept timed out.

Reimplemented from **decaf::net::ServerSocket** (p. 3451).

6.591.3.2 virtual std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLServerSocket::getEnabledCipherSuites ( ) const [virtual]

Returns a vector containing the names of all the currently enabled Cipher Suites for this **SSLServerSocket** (p. 3662).

Returns

vector of the names of all enabled Cipher Suites.

Implements **decaf::net::ssl::SSLServerSocket** (p. 3665).

6.591.3.3 virtual std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLServerSocket::getEnabledProtocols ( ) const [virtual]

Returns a vector containing the names of all the currently enabled Protocols for this **SSLServerSocket** (p. 3662).

Returns

vector of the names of all enabled Protocols.

Implements **decaf::net::ssl::SSLServerSocket** (p. 3665).

6.591.3.4 virtual bool decaf::internal::net::ssl::openssl::OpenSSLServerSocket::getNeedClientAuth ( ) const [virtual]

Returns

true if the **Socket** (p. 3607) requires client Authentication.

Implements **decaf::net::ssl::SSLServerSocket** (p. 3665).

6.591.3.5 virtual std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLServerSocket::getSupportedCipherSuites ( ) const [virtual]

Gets a vector containing the names of all the cipher suites that are supported by this **SSLServerSocket** (p. 3662).

Normally not all of these cipher suites will be enabled on the **Socket** (p. 3607).

Returns

a vector containing the names of all the supported cipher suites.

Implements **decaf::net::ssl::SSLServerSocket** (p. 3666).

6.591.3.6 virtual std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLServerSocket::getSupportedProtocols ( ) const [virtual]

Gets a vector containing the names of all the protocols that could be enabled for this **SSLServerSocket** (p. 3662) instance.

Returns

a vector containing the names of all the supported protocols.

Implements **decaf::net::ssl::SSLServerSocket** (p. 3666).

6.591.3.7 virtual bool decaf::internal::net::ssl::openssl::OpenSSLServerSocket::getWantClientAuth ( ) const [virtual]

Returns

true if the **Socket** (p. 3607) request client Authentication.

Implements **decaf::net::ssl::SSLServerSocket** (p. 3666).

6.591.3.8 virtual void decaf::internal::net::ssl::openssl::OpenSSLServerSocket::setEnabledCipherSuites (const std::vector< std::string > & *suites*) [virtual]

Sets the Cipher Suites that are to be enabled on the **SSLServerSocket** (p. 3662) connection.

Each of the named Cipher Suites must appear in the list of supported cipher suites for this connection or an exception will be thrown.

Parameters

suites	An Vector of names for all the Cipher Suites that are to be enabled.

Exceptions

IllegalArgumentException	if the vector is empty or one of the names is invalid.

Implements **decaf::net::ssl::SSLServerSocket** (p. 3666).

6.591.3.9 virtual void decaf::internal::net::ssl::openssl::OpenSSLServerSocket::setEnabledProtocols (const std::vector< std::string > & *protocols*) [virtual]

Sets the Protocols that are to be enabled on the **SSLServerSocket** (p. 3662) connection.

Each of the named Protocols must appear in the list of supported protocols suites for this connection or an exception will be thrown.

Parameters

protocols	An Vector of names for all the Protocols that are to be enabled.

Exceptions

IllegalArgumentException	if the vector is empty or one of the names is invalid.

Implements **decaf::net::ssl::SSLServerSocket** (p. 3667).

6.591.3.10 virtual void decaf::internal::net::ssl::openssl::OpenSSLServerSocket::setNeedClientAuth (bool *value*) [virtual]

Sets whether or not this **Socket** (p. 3607) will require Client Authentication.

If set to true the **Socket** (p. 3607) (when used in server mode) will require that the client authenticate itself, if the client doesn't send authentication the socket will not allow negotiation to continue.

Parameters

value	Whether the server socket should require client authentication.

Implements **decaf::net::ssl::SSLServerSocket** (p. 3667).

6.591.3.11 virtual void decaf::internal::net::ssl::openssl::OpenSSLServerSocket::setWantClientAuth (bool *value*) [virtual]

Sets whether or not this **Socket** (p. 3607) will request Client Authentication.

If set to true the **Socket** (p. 3607) (when used in server mode) will request that the client authenticate itself, if the client doesn't send authentication the socket will still allow negotiation to continue.

Parameters

value	Whether the server socket should request client authentication.

Implements **decaf::net::ssl::SSLServerSocket** (p. 3667).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/ssl/openssl/**OpenSSLServerSocket.h**

6.592 decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory Class Reference

SSLServerSocketFactory that creates Server Sockets that use OpenSSL.

```
#include <src/main/decaf/internal/net/ssl/openssl/OpenSSLServerSocketFactory.h>
```

Inheritance diagram for decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory:

Public Member Functions

- **OpenSSLServerSocketFactory** (**OpenSSLContextSpi** ∗parent)
- virtual ∼**OpenSSLServerSocketFactory** ()
- virtual **decaf::net::ServerSocket** ∗ **createServerSocket** ()

  *Create a new **ServerSocket** (p. 3447) that is unbound.*
  *The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.*

  Returns

  *new **ServerSocket** (p. 3447) pointer that is owned by the caller.*

  Exceptions

IOException	*if the **ServerSocket** (p. 3447) cannot be created for some reason.*

- virtual **decaf::net::ServerSocket** ∗ **createServerSocket** (int port)

  *Create a new **ServerSocket** (p. 3447) that is bound to the given port.*
  *The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.*

  Parameters

port	*The port to bind the **ServerSocket** (p. 3447) to.*

  Returns

  *new **ServerSocket** (p. 3447) pointer that is owned by the caller.*

  Exceptions

IOException	*if the **ServerSocket** (p. 3447) cannot be created for some reason.*

- virtual **decaf::net::ServerSocket** ∗ **createServerSocket** (int port, int backlog)

  *Create a new **ServerSocket** (p. 3447) that is bound to the given port.*
  *The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will use the specified connection backlog setting.*

  Parameters

port	*The port to bind the **ServerSocket** (p. 3447) to.*
backlog	*The number of pending connect request the **ServerSocket** (p. 3447) can queue.*

  Returns

  *new **ServerSocket** (p. 3447) pointer that is owned by the caller.*

  Exceptions

IOException	*if the **ServerSocket** (p. 3447) cannot be created for some reason.*

- virtual **decaf::net::ServerSocket** ∗ **createServerSocket** (int port, int backlog, const **decaf::net::InetAddress** ∗address)

  *Create a new **ServerSocket** (p. 3447) that is bound to the given port.*
  *The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will bind to the specified interface on the local host, and accept connections only on that interface. If the address parameter is NULL than the **ServerSocket** (p. 3447) will listen on all interfaces.*

  Parameters

port	*The port to bind the **ServerSocket** (p. 3447) to.*
backlog	*The number of pending connect request the **ServerSocket** (p. 3447) can queue.*
address	*The address of the interface on the local machine to bind to.*

  Returns

  *new **ServerSocket** (p. 3447) pointer that is owned by the caller.*

  Exceptions

IOException	*if the **ServerSocket** (p. 3447) cannot be created for some reason.*

- virtual std::vector< std::string > **getDefaultCipherSuites** ()

  Returns the list of cipher suites which are enabled by default.
  Unless a different list is enabled, handshaking on an SSL connection will use one of these cipher suites. The minimum quality of service for these defaults requires confidentiality protection and server authentication (that is, no anonymous cipher suites).

  Returns

  an STL vector containing the list of cipher suites enabled by default.

  See also

  ***getSupportedCipherSuites()** (p. 3670)*

- virtual std::vector< std::string > **getSupportedCipherSuites** ()

  Returns the names of the cipher suites which could be enabled for use on an SSL connection.
  Normally, only a subset of these will actually be enabled by default, since this list may include cipher suites which do not meet quality of service requirements for those defaults. Such cipher suites are useful in specialized applications.

  Returns

  an STL vector containing the list of supported cipher suites.

  See also

  ***getDefaultCipherSuites()** (p. 3669)*

6.592.1 Detailed Description

SSLServerSocketFactory that creates Server Sockets that use OpenSSL.

Since

1.0

6.592.2 Constructor & Destructor Documentation

6.592.2.1 decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory::OpenSSLServerSocketFactory (OpenSSLContextSpi * *parent*)

6.592.2.2 virtual decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory::~OpenSSLServerSocketFactory ( ) [virtual]

6.592.3 Member Function Documentation

6.592.3.1 virtual decaf::net::ServerSocket* decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory::createServerSocket ( ) [virtual]

Create a new **ServerSocket** (p. 3447) that is unbound.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Reimplemented from **decaf::net::ServerSocketFactory** (p. 3458).

6.592.3.2 virtual decaf::net::ServerSocket* decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory::createServerSocket (int *port*) [virtual]

Create a new **ServerSocket** (p. 3447) that is bound to the given port.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Implements **decaf::net::ServerSocketFactory** (p. 3458).

6.592.3.3 virtual decaf::net::ServerSocket* decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory::createServerSocket (int *port*, int *backlog*, const decaf::net::InetAddress * *address*) [virtual]

Create a new **ServerSocket** (p. 3447) that is bound to the given port.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will bind to the specified interface on the local host, and accept connections only on that interface. If the address parameter is NULL than the **ServerSocket** (p. 3447) will listen on all interfaces.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.
backlog	The number of pending connect request the **ServerSocket** (p. 3447) can queue.
address	The address of the interface on the local machine to bind to.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Implements **decaf::net::ServerSocketFactory** (p. 3459).

6.592.3.4 virtual decaf::net::ServerSocket* decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory::createServerSocket (int *port*, int *backlog*) [virtual]

Create a new **ServerSocket** (p. 3447) that is bound to the given port.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will use the specified connection backlog setting.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.
backlog	The number of pending connect request the **ServerSocket** (p. 3447) can queue.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Implements **decaf::net::ServerSocketFactory** (p. 3459).

6.592.3.5 virtual std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory::getDefaultCipherSuites ( ) [virtual]

Returns the list of cipher suites which are enabled by default.

Unless a different list is enabled, handshaking on an SSL connection will use one of these cipher suites. The minimum quality of service for these defaults requires confidentiality protection and server authentication (that is, no anonymous cipher suites).

Returns

an STL vector containing the list of cipher suites enabled by default.

See also

getSupportedCipherSuites() (p. 3670)

Implements **decaf::net::ssl::SSLServerSocketFactory** (p. 3669).

6.592.3.6 virtual std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory::getSupportedCipherSuites ( ) [virtual]

Returns the names of the cipher suites which could be enabled for use on an SSL connection.

Normally, only a subset of these will actually be enabled by default, since this list may include cipher suites which do not meet quality of service requirements for those defaults. Such cipher suites are useful in specialized applications.

Returns

an STL vector containing the list of supported cipher suites.

See also

getDefaultCipherSuites() (p. 3669)

Implements **decaf::net::ssl::SSLServerSocketFactory** (p. 3670).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/ssl/openssl/**OpenSSLServerSocketFactory.h**

6.593 decaf::internal::net::ssl::openssl::OpenSSLSocket Class Reference

Wraps a a Normal Socket object and extends or overrides functions in that class to make use of the OpenSSL Socket API.

```
#include <src/main/decaf/internal/net/ssl/openssl/OpenSSLSocket.h>
```

Inheritance diagram for decaf::internal::net::ssl::openssl::OpenSSLSocket:

Public Member Functions

- **OpenSSLSocket** (**OpenSSLParameters** ∗parameters)
- **OpenSSLSocket** (**OpenSSLParameters** ∗parameters, const **decaf::net::InetAddress** ∗address, int port)
- **OpenSSLSocket** (**OpenSSLParameters** ∗parameters, const **decaf::net::InetAddress** ∗address, int port, const **decaf::net::InetAddress** ∗localAddress, int localPort)
- **OpenSSLSocket** (**OpenSSLParameters** ∗parameters, const std::string &host, int port)
- **OpenSSLSocket** (**OpenSSLParameters** ∗parameters, const std::string &host, int port, const **decaf::net::InetAddress** ∗localAddress, int localPort)
- virtual ∼**OpenSSLSocket** ()
- virtual void **connect** (const std::string &host, int port, int timeout) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException)

  Connects to the specified destination, with a specified timeout value.
  *If a connection to the remote host is not established within the specified timeout interval than an **SocketTimeoutException** (p. 3650) is thrown. A timeout value of zero is treated as an inifinite timeout.*

  Parameters

host	*The host name or IP address of the remote host to connect to.*
port	*The port on the remote host to connect to.*
timeout	*The number of Milliseconds to wait before treating the connection as failed.*

  Exceptions

IOException	*Thrown if a failure occurred in the connect.*
SocketTimeoutException (p. 3650)	*if the timeout for connection is exceeded.*
IllegalArguementException	*if the timeout value is negative or the endpoint is invalid.*

- virtual void **close** () throw (decaf::io::IOException)

  *Closes the **Socket** (p. 3607).*
  *Once closed a **Socket** (p. 3607) cannot be connected or otherwise operated upon, a new **Socket** (p. 3607) instance must be created.*

  Exceptions

IOException	*if an I/O error occurs while closing the **Socket** (p. 3607).*

- virtual **decaf::io::InputStream** ∗ **getInputStream** () throw (decaf::io::IOException)

  Gets the InputStream for this socket if its connected.

*The pointer returned is the property of the associated **Socket** (p. 3607) and should not be deleted by the caller.*
When the returned InputStream is performing a blocking operation and the underlying connection is closed or otherwise broker the read calls will normally throw an exception to indicate the failure.
*Closing the InputStream will also close the underlying **Socket** (p. 3607).*

Returns

The InputStream for this socket.

Exceptions

IOException	*if an error occurs during creation of the InputStream, also if the **Socket** (p. 3607) is not connected or the input has been shutdown previously.*

- virtual **decaf::io::OutputStream** ∗ **getOutputStream** () throw (decaf::io::IOException)

Gets the OutputStream for this socket if it is connected.
*The pointer returned is the property of the **Socket** (p. 3607) instance and should not be deleted by the caller.*
*Closing the returned **Socket** (p. 3607) will also close the underlying **Socket** (p. 3607).*

Returns

the OutputStream for this socket.

Exceptions

IOException	*if an error occurs during the creation of this OutputStream, or if the **Socket** (p. 3607) is closed or the output has been shutdown previously.*

- virtual void **shutdownInput** () throw (decaf::io::IOException)

Shuts down the InputStream for this socket essentially marking it as EOF.
The stream returns EOF for any calls to read after this method has been called.

Exceptions

IOException	*if an I/O error occurs while performing this operation.*

- virtual void **shutdownOutput** () throw (decaf::io::IOException)

Shuts down the OutputStream for this socket, any data already written to the socket will be sent, any further calls to OuputStream::write will throw an IOException.

Exceptions

IOException	*if an I/O error occurs while performing this operation.*

- virtual void **setOOBInline** (bool value) throw (decaf::net::SocketException)

Sets the value of the OOBINLINE for this socket, by default this option is disabled.
If enabled the urgent data is read inline on the Socket's InputStream, no notification is give.

Returns

true if OOBINLINE is enabled, false otherwise.

Exceptions

SocketException (p. 3627)	*if an error is encountered while performing this operation.*

- virtual void **sendUrgentData** (int data) throw (decaf::io::IOException)

  *Sends on byte of urgent data to the **Socket** (p. 3607).*

  Parameters

data	*The value to write as urgent data, only the lower eight bits are sent.*

  Exceptions

IOException	*if an I/O error occurs while performing this operation.*

- virtual std::vector< std::string > **getSupportedCipherSuites** () const

  *Gets a vector containing the names of all the cipher suites that are supported by this **SSLSocket** (p. 3670).*
  *Normally not all of these cipher suites will be enabled on the **Socket** (p. 3607).*

  Returns

  a vector containing the names of all the supported cipher suites.

- virtual std::vector< std::string > **getSupportedProtocols** () const

  *Gets a vector containing the names of all the protocols that could be enabled for this **SSLSocket** (p. 3670) instance.*

  Returns

  a vector containing the names of all the supported protocols.

- virtual std::vector< std::string > **getEnabledCipherSuites** () const

  *Returns a vector containing the names of all the currently enabled Cipher Suites for this SSL **Socket** (p. 3607).*

  Returns

  vector of the names of all enabled Cipher Suites.

- virtual void **setEnabledCipherSuites** (const std::vector< std::string > &suites)

  *Sets the Cipher Suites that are to be enabled on the SSL **Socket** (p. 3607) connection. Each of the named Cipher Suites must appear in the list of supported cipher suites for this connection or an exception will be thrown.*

  Parameters

suites	*An Vector of names for all the Cipher Suites that are to be enabled.*

  Exceptions

IllegalArgumentException	*if the vector is empty or one of the names is invalid.*

- virtual std::vector< std::string > **getEnabledProtocols** () const

*Returns a vector containing the names of all the currently enabled Protocols for this SSL **Socket** (p. 3607).*

Returns

vector of the names of all enabled Protocols.

- virtual void **setEnabledProtocols** (const std::vector< std::string > &protocols)

*Sets the Protocols that are to be enabled on the SSL **Socket** (p. 3607) connection.*
Each of the named Protocols must appear in the list of supported protocols suites for this connection or an exception will be thrown.

Parameters

protocols	*An Vector of names for all the Protocols that are to be enabled.*

Exceptions

IllegalArgumentException	*if the vector is empty or one of the names is invalid.*

- virtual void **startHandshake** ()

Initiates a handshake for this SSL Connection, this can be necessary for several reasons such as using new encryption keys, or starting a new session.
When called for the first time after the socket connects this method blocks until the handshake is completed. The provider is not require to support multiple handshakes and can throw an IOException to indicate an error.

Exceptions

IOException	*if an I/O error occurs while performing the Handshake*

- virtual void **setUseClientMode** (bool value)

Determines the mode that the socket uses when a handshake is initiated, client or server.
*This method must be called prior to any handshake attempts on this **Socket** (p. 3607), once a handshake has be initiated this socket remains the the set mode; client or server, for the life of this object.*

Parameters

value	*The mode setting, true for client or false for server.*

Exceptions

IllegalArguementException	*if the handshake process has begun and mode is lcoked.*

- virtual bool **getUseClientMode** () const

*Gets whether this **Socket** (p. 3607) is in Client or Server mode, true indicates that the mode is set to Client.*

Returns

*true if the **Socket** (p. 3607) is in Client mode, false otherwise.*

- virtual void **setNeedClientAuth** (bool value)

  *Sets the **Socket** (p. 3607) to require that a client authenticate itself by sending a valid Certificate that is trusted by this Server mode socket.*
  This option only applies to sockets in the Server mode.
  If the option is enabled an the client does not provide a certificate then the handshake is considered failed and the connection is refused. Calling this method resets any previous value for this option as well as clears any value set in the setWantClientAuth method.
  Parameters

value	*The value indicating if a client is required to authenticate itself or not.*

- virtual bool **getNeedClientAuth** () const

  Returns if this socket is configured to require client authentication, true means that is has and that clients that failed to authenticate will be rejected.
  This option is only useful when the socket is operating in server mode.
  Returns

  true if client authentication is required.

- virtual void **setWantClientAuth** (bool value)

  *Sets the **Socket** (p. 3607) to request that a client authenticate itself by sending a valid Certificate that is trusted by this Server mode socket.*
  This option only applies to sockets in the Server mode.
  If the option is enabled an the client does not provide a certificate then the handshake is considered to have succeeded, if it does send a certificate and that certificate is invalid the the handshake will fail. Calling this method resets any previous value for this option as well as clears any value set in the setNeedClientAuth method.
  Parameters

value	*The value indicating if a client is requested to authenticate itself or not.*

- virtual bool **getWantClientAuth** () const

  Returns if this socket is configured to request client authentication, true means that is has and that clients that failed to authenticate will be rejected but that cleints that do not send a certificate are not considered to have failed authentication.
  This option is only useful when the socket is operating in server mode.
  Returns

  true if client authentication is required.

- int **read** (unsigned char ∗buffer, int size, int offset, int length)

  Reads the requested data from the Socket and write it into the passed in buffer.

- void **write** (const unsigned char ∗buffer, int size, int offset, int length)

  Writes the specified data in the passed in buffer to the Socket.

- int **available** ()

  Gets the number of bytes in the Socket buffer that can be read without blocking.

6.593.1 Detailed Description

Wraps a a Normal Socket object and extends or overrides functions in that class to make use of the OpenSSL Socket API.

Since

1.0

6.593.2 Constructor & Destructor Documentation

6.593.2.1 decaf::internal::net::ssl::openssl::OpenSSLSocket::OpenSSLSocket (OpenSSLParameters * *parameters*)

6.593.2.2 decaf::internal::net::ssl::openssl::OpenSSLSocket::OpenSSLSocket (OpenSSLParameters * *parameters,* const decaf::net::InetAddress * *address,* int *port*)

6.593.2.3 decaf::internal::net::ssl::openssl::OpenSSLSocket::OpenSSLSocket (OpenSSLParameters * *parameters,* const decaf::net::InetAddress * *address,* int *port,* const decaf::net::InetAddress * *localAddress,* int *localPort*)

6.593.2.4 decaf::internal::net::ssl::openssl::OpenSSLSocket::OpenSSLSocket (OpenSSLParameters * *parameters,* const std::string & *host,* int *port*)

6.593.2.5 decaf::internal::net::ssl::openssl::OpenSSLSocket::OpenSSLSocket (OpenSSLParameters * *parameters,* const std::string & *host,* int *port,* const decaf::net::InetAddress * *localAddress,* int *localPort*)

6.593.2.6 virtual decaf::internal::net::ssl::openssl::OpenSSLSocket::~OpenSSLSocket ( ) [virtual]

6.593.3 Member Function Documentation

6.593.3.1 int decaf::internal::net::ssl::openssl::OpenSSLSocket::available ( )

Gets the number of bytes in the Socket buffer that can be read without blocking.

Returns

the number of bytes that can be read from the Socket without blocking.

Exceptions

IOException	if an I/O error occurs while performing this operation.

6.593.3.2 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocket::close ( ) throw (decaf::io::IOException) [virtual]

Closes the **Socket** (p. 3607).

Once closed a **Socket** (p. 3607) cannot be connected or otherwise operated upon, a new **Socket** (p. 3607) instance must be created.

Exceptions

IOException	if an I/O error occurs while closing the **Socket** (p. 3607).

Reimplemented from **decaf::net::Socket** (p. 3614).

6.593.3.3 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocket::connect (const std::string & *host*, int *port*, int *timeout*) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException) [virtual]

Connects to the specified destination, with a specified timeout value.

If a connection to the remote host is not established within the specified timeout interval than an **SocketTimeoutException** (p. 3650) is thrown. A timeout value of zero is treated as an inifinite timeout.

Parameters

host	The host name or IP address of the remote host to connect to.
port	The port on the remote host to connect to.
timeout	The number of Milliseconds to wait before treating the connection as failed.

Exceptions

IOException	Thrown if a failure occurred in the connect.
SocketTimeoutException (p. *3650*)	if the timeout for connection is exceeded.
IllegalArguementException	if the timeout value is negative or the endpoint is invalid.

Reimplemented from **decaf::net::Socket** (p. 3615).

6.593.3.4 virtual std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLSocket::getEnabledCipherSuites ( ) const [virtual]

Returns a vector containing the names of all the currently enabled Cipher Suites for this SSL **Socket** (p. 3607).

Returns

vector of the names of all enabled Cipher Suites.

Implements **decaf::net::ssl::SSLSocket** (p. 3674).

6.593.3.5 virtual std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLSocket::getEnabledProtocols ( ) const [virtual]

Returns a vector containing the names of all the currently enabled Protocols for this SSL **Socket** (p. 3607).

Returns

vector of the names of all enabled Protocols.

Implements **decaf::net::ssl::SSLSocket** (p. 3674).

6.593.3.6 virtual decaf::io::InputStream* decaf::internal::net::ssl::openssl::OpenSSLSocket::getInputStream ( ) throw (decaf::io::IOException) [virtual]

Gets the InputStream for this socket if its connected.

The pointer returned is the property of the associated **Socket** (p. 3607) and should not be deleted by the caller.

When the returned InputStream is performing a blocking operation and the underlying connection is closed or otherwise broker the read calls will normally throw an exception to indicate the failure.

Closing the InputStream will also close the underlying **Socket** (p. 3607).

Returns

The InputStream for this socket.

Exceptions

IOException	if an error occurs during creation of the InputStream, also if the **Socket** (p. 3607) is not connected or the input has been shutdown previously.

Reimplemented from **decaf::net::Socket** (p. 3616).

6.593.3.7 virtual bool decaf::internal::net::ssl::openssl::OpenSSLSocket::getNeedClientAuth ( ) const [virtual]

Returns if this socket is configured to require client authentication, true means that is has and that clients that failed to authenticate will be rejected.

This option is only useful when the socket is operating in server mode.

Returns

true if client authentication is required.

Implements **decaf::net::ssl::SSLSocket** (p. 3675).

6.593.3.8 virtual decaf::io::OutputStream* decaf::internal::net::ssl::openssl::OpenSSLSocket::getOutputStream ( ) throw (decaf::io::IOException) [virtual]

Gets the OutputStream for this socket if it is connected.

The pointer returned is the property of the **Socket** (p. 3607) instance and should not be deleted by the caller.

Closing the returned **Socket** (p. 3607) will also close the underlying **Socket** (p. 3607).

Returns

the OutputStream for this socket.

Exceptions

IOException	if an error occurs during the creation of this OutputStream, or if the **Socket** (p. 3607) is closed or the output has been shutdown previously.

Reimplemented from **decaf::net::Socket** (p. 3617).

6.593.3.9 virtual std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLSocket::getSupportedCipherSuites ( ) const [virtual]

Gets a vector containing the names of all the cipher suites that are supported by this **SSLSocket** (p. 3670).

Normally not all of these cipher suites will be enabled on the **Socket** (p. 3607).

Returns

a vector containing the names of all the supported cipher suites.

Implements **decaf::net::ssl::SSLSocket** (p. 3675).

6.593.3.10 virtual std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLSocket::getSupportedProtocols ( ) const [virtual]

Gets a vector containing the names of all the protocols that could be enabled for this **SSLSocket** (p. 3670) instance.

Returns

a vector containing the names of all the supported protocols.

Implements **decaf::net::ssl::SSLSocket** (p. 3675).

6.593.3.11 virtual bool decaf::internal::net::ssl::openssl::OpenSSLSocket::getUseClientMode ( ) const [virtual]

Gets whether this **Socket** (p. 3607) is in Client or Server mode, true indicates that the mode is set to Client.

Returns

true if the **Socket** (p. 3607) is in Client mode, false otherwise.

Implements **decaf::net::ssl::SSLSocket** (p. 3676).

6.593.3.12 virtual bool decaf::internal::net::ssl::openssl::OpenSSLSocket::getWantClientAuth ( ) const [virtual]

Returns if this socket is configured to request client authentication, true means that is has and that clients that failed to authenticate will be rejected but that cleints that do not send a certificate are not considered to have failed authentication.

This option is only useful when the socket is operating in server mode.

Returns

true if client authentication is required.

Implements **decaf::net::ssl::SSLSocket** (p. 3676).

6.593.3.13 int decaf::internal::net::ssl::openssl::OpenSSLSocket::read (unsigned char * *buffer,* int *size,* int *offset,* int *length*)

Reads the requested data from the Socket and write it into the passed in buffer.

Parameters

buffer	The buffer to read into
size	The size of the specified buffer
offset	The offset into the buffer where reading should start filling.
length	The number of bytes past offset to fill with data.

Returns

the actual number of bytes read or -1 if at EOF.

Exceptions

IOException	if an I/O error occurs during the read.
NullPointerException	if buffer is Null.
IndexOutOfBoundsException	if offset + length is greater than buffer size.

6.593.3.14 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocket::sendUrgentData (int *data*) throw (decaf::io::IOException) [virtual]

Sends on byte of urgent data to the **Socket** (p. 3607).

Parameters

data	The value to write as urgent data, only the lower eight bits are sent.

Exceptions

IOException	if an I/O error occurs while performing this operation.

Reimplemented from **decaf::net::Socket** (p. 3621).

6.593.3.15 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocket::setEnabledCipherSuites (const std::vector< std::string > & *suites*) [virtual]

Sets the Cipher Suites that are to be enabled on the SSL **Socket** (p. 3607) connection.

Each of the named Cipher Suites must appear in the list of supported cipher suites for this connection or an exception will be thrown.

Parameters

suites	An Vector of names for all the Cipher Suites that are to be enabled.

Exceptions

IllegalArgumentException	if the vector is empty or one of the names is invalid.

Implements **decaf::net::ssl::SSLSocket** (p. 3676).

6.593.3.16 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocket::setEnabledProtocols (const std::vector< std::string > & *protocols*) [virtual]

Sets the Protocols that are to be enabled on the SSL **Socket** (p. 3607) connection.

Each of the named Protocols must appear in the list of supported protocols suites for this connection or an exception will be thrown.

Parameters

protocols	An Vector of names for all the Protocols that are to be enabled.

Exceptions

IllegalArgumentException	if the vector is empty or one of the names is invalid.

Implements **decaf::net::ssl::SSLSocket** (p. 3677).

6.593.3.17 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocket::setNeedClientAuth (bool *value*) [virtual]

Sets the **Socket** (p. 3607) to require that a client authenticate itself by sending a valid Certificate that is trusted by this Server mode socket.

This option only applies to sockets in the Server mode.

If the option is enabled an the client does not provide a certificate then the handshake is considered failed and the connection is refused. Calling this method resets any previous value for this option as well as clears any value set in the setWantClientAuth method.

Parameters

value	The value indicating if a client is required to authenticate itself or not.

Implements **decaf::net::ssl::SSLSocket** (p. 3677).

6.593.3.18 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocket::setOOBInline (bool *value*) throw (decaf::net::SocketException) [virtual]

Sets the value of the OOBINLINE for this socket, by default this option is disabled.

If enabled the urgent data is read inline on the Socket's InputStream, no notification is give.

Returns

true if OOBINLINE is enabled, false otherwise.

Exceptions

SocketException *(p. 3627)*	if an error is encountered while performing this operation.

Reimplemented from **decaf::net::Socket** (p. 3621).

6.593.3.19 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocket::setUseClientMode (bool *value*) [virtual]

Determines the mode that the socket uses when a handshake is initiated, client or server.

This method must be called prior to any handshake attempts on this **Socket** (p. 3607), once a handshake has be initiated this socket remains the the set mode; client or server, for the life of this object.

Parameters

value	The mode setting, true for client or false for server.

Exceptions

IllegalArguementException	if the handshake process has begun and mode is lcoked.

Implements **decaf::net::ssl::SSLSocket** (p. 3678).

6.593.3.20 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocket::setWantClientAuth (bool *value*) [virtual]

Sets the **Socket** (p. 3607) to request that a client authenticate itself by sending a valid Certificate that is trusted by this Server mode socket.

This option only applies to sockets in the Server mode.

If the option is enabled an the client does not provide a certificate then the handshake is considered to have succeeded, if it does send a certificate and that certificate is invalid the the handshake will fail. Calling this method resets any previous value for this option as well as clears any value set in the setNeedClientAuth method.

Parameters

value	The value indicating if a client is requested to authenticate itself or not.

Implements **decaf::net::ssl::SSLSocket** (p. 3678).

6.593.3.21 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocket::shutdownInput ( ) throw (decaf::io::IOException) [virtual]

Shuts down the InputStream for this socket essentially marking it as EOF.

The stream returns EOF for any calls to read after this method has been called.

Exceptions

IOException	if an I/O error occurs while performing this operation.

Reimplemented from **decaf::net::Socket** (p. 3625).

6.593.3.22 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocket::shutdownOutput ( ) throw (decaf::io::IOException) [virtual]

Shuts down the OutputStream for this socket, any data already written to the socket will be sent, any further calls to OuputStream::write will throw an IOException.

Exceptions

IOException	if an I/O error occurs while performing this operation.

Reimplemented from **decaf::net::Socket** (p. 3625).

6.593.3.23 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocket::startHandshake ( ) [virtual]

Initiates a handshake for this SSL Connection, this can be necessary for several reasons such as using new encryption keys, or starting a new session.

When called for the first time after the socket connects this method blocks until the handshake is completed. The provider is not require to support multiple handshakes and can throw an IOException to indicate an error.

Exceptions

IOException	if an I/O error occurs while performing the Handshake

Implements **decaf::net::ssl::SSLSocket** (p. 3679).

6.593.3.24 void decaf::internal::net::ssl::openssl::OpenSSLSocket::write (const unsigned char * *buffer*, int *size*, int *offset*, int *length*)

Writes the specified data in the passed in buffer to the Socket.

Parameters

buffer	The buffer to write to the socket.
size	The size of the specified buffer.
offset	The offset into the buffer where the data to write starts at.
length	The number of bytes past offset to write.

Exceptions

IOException	if an I/O error occurs during the write.
NullPointerException	if buffer is Null.
IndexOutOfBoundsException	if offset + length is greater than buffer size.

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/ssl/openssl/**OpenSSLSocket.h**

6.594 decaf::internal::net::ssl::openssl::OpenSSLSocketException Class Reference

Subclass of the standard SocketException that knows how to produce an error message from the OpenSSL error stack.

`#include <src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketException.h`

Inheritance diagram for decaf::internal::net::ssl::openssl::OpenSSLSocketException:

Public Member Functions

- **OpenSSLSocketException** () throw ()

  *Creates an new **OpenSSLSocketException** (p. 2955) with default values.*

- **OpenSSLSocketException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **OpenSSLSocketException** (const **OpenSSLSocketException** &ex) throw ()

  Copy Constructor.

- **OpenSSLSocketException** (const char *file, const int lineNumber, const std::exception ***cause**, const char *msg,...) throw ()

  *Create a new **OpenSSLSocketException** (p. 2955) and initializes the file name and line number where this message occurred.*

- **OpenSSLSocketException** (const std::exception ***cause**) throw ()

  *Creates a new **OpenSSLSocketException** (p. 2955) with the passed exception set as the cause of this exception.*

- **OpenSSLSocketException** (const char *file, const int lineNumber, const char *msg,...) throw ()

  *Create a new **OpenSSLSocketException** (p. 2955) and initializes the file name and line number where this message occurred.*

- **OpenSSLSocketException** (const char *file, const int lineNumber) throw ()

  *Create a new **OpenSSLSocketException** (p. 2955) and initializes the file name and line number where this message occurred.*

- virtual **OpenSSLSocketException** * **clone** () const

  Clones this exception.

- virtual ~**OpenSSLSocketException** () throw ()

Protected Member Functions

- std::string **getErrorString** () const

  Gets and formats an error message string from the OpenSSL error stack.

6.594.1 Detailed Description

Subclass of the standard SocketException that knows how to produce an error message from the OpenSSL error stack.

Since

1.0

6.594.2 Constructor & Destructor Documentation

6.594.2.1 decaf::internal::net::ssl::openssl::OpenSSLSocketException::OpenSSLSocketException ( ) throw ()

Creates an new **OpenSSLSocketException** (p. 2955) with default values.

6.594.2.2 decaf::internal::net::ssl::openssl::OpenSSLSocketException::OpenSSLSocketException (const Exception & *ex*) throw ()

Conversion Constructor from some other Exception.

Parameters

ex	An Exception object that should become this type of Exception.

6.594.2.3 decaf::internal::net::ssl::openssl::OpenSSLSocketException::OpenSSLSocketException (const OpenSSLSocketException & *ex*) throw ()

Copy Constructor.

Parameters

ex	The **OpenSSLSocketException** (p. 2955) whose values should be copied to this instance.

6.594.2.4 decaf::internal::net::ssl::openssl::OpenSSLSocketException::OpenSSLSocketException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw ()

Create a new **OpenSSLSocketException** (p. 2955) and initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message.

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown (can be null).
msg	The error message to report.
...	The list of primitives that are formatted into the message.

6.594.2.5 decaf::internal::net::ssl::openssl::OpenSSLSocketException::OpenSSLSocketException (const std::exception * *cause*) throw ()

Creates a new **OpenSSLSocketException** (p. 2955) with the passed exception set as the cause of this exception.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.594.2.6 decaf::internal::net::ssl::openssl::OpenSSLSocketException::OpenSSLSocketException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw ()

Create a new **OpenSSLSocketException** (p. 2955) and initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message.

Parameters

file	The file name where exception occurs.
lineNumber	The line number where the exception occurred.
msg	The error message to report.
...	The list of primitives that are formatted into the message

6.594.2.7 decaf::internal::net::ssl::openssl::OpenSSLSocketException::OpenSSLSocketException (const char * *file*, const int *lineNumber*) throw ()

Create a new **OpenSSLSocketException** (p. 2955) and initializes the file name and line number where this message occurred.

Sets the message to report by getting the complete set of error messages from the OpenSSL error stack and concatenating them into one string.

Parameters

file	The file name where exception occurs.
lineNumber	The line number where the exception occurred.

6.594.2.8 virtual decaf::internal::net::ssl::openssl::OpenSSLSocketException::~OpenSSLSocketException ( ) throw () [virtual]

6.594.3 Member Function Documentation

6.594.3.1 virtual OpenSSLSocketException* decaf::internal::net::ssl::openssl::OpenSSLSocketException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override this method.

Returns

a new Exception instance that is a copy of this Exception object.

Reimplemented from **decaf::net::SocketException** (p. 3629).

6.594.3.2 std::string decaf::internal::net::ssl::openssl::OpenSSLSocketException::getErrorString ( ) const [protected]

Gets and formats an error message string from the OpenSSL error stack.

Returns

a string containing the complete OpenSSL error string.

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/ssl/openssl/**OpenSSLSocketException.h**

6.595 decaf::internal::net::ssl::openssl::OpenSSLSocketFactory Class Reference

Client Socket Factory that creates SSL based client sockets using the OpenSSL library.

`#include <src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketFactory.h>`

Inheritance diagram for decaf::internal::net::ssl::openssl::OpenSSLSocketFactory:

Public Member Functions

- **OpenSSLSocketFactory** (**OpenSSLContextSpi** ∗parent)
- virtual ∼**OpenSSLSocketFactory** ()
- virtual **decaf::net::Socket** ∗ **createSocket** () throw (decaf::io::IOException)

  *Creates an unconnected **Socket** (p. 3607) object.*

  Returns

  *a new **Socket** (p. 3607) object, caller must free this object when done.*

  Exceptions

IOException	*if the **Socket** (p. 3607) cannot be created.*

- virtual **decaf::net::Socket** ∗ **createSocket** (const **decaf::net::InetAddress** ∗host, int port) throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*

  Parameters

host	*The host to connect the socket to.*
port	*The port on the remote host to connect to.*

  Returns

  *a new **Socket** (p. 3607) object, caller must free this object when done.*

  Exceptions

IOException	*if an I/O error occurs while creating the **Socket** (p. 3607) object.*
UnknownHostException (p. 4019)	*if the host name is not known.*

- virtual **decaf::net::Socket** ∗ **createSocket** (const **decaf::net::InetAddress** ∗host, int port, const **decaf::net::InetAddress** ∗ifAddress, int localPort) throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*
  *The **Socket** (p. 3607) will be bound to the specified local address and port.*

Parameters

host	*The host to connect the socket to.*
port	*The port on the remote host to connect to.*
ifAddress	*The address on the local machine to bind the **Socket** (p. 3607) to.*
localPort	*The local port to bind the **Socket** (p. 3607) to.*

Returns

*a new **Socket** (p. 3607) object, caller must free this object when done.*

Exceptions

IOException	*if an I/O error occurs while creating the **Socket** (p. 3607) object.*
UnknownHostException (p. 4019)	*if the host name is not known.*

- virtual **decaf::net::Socket** ∗ **createSocket** (const std::string &hostname, int port) throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*

  Parameters

host	*The host name or IP address to connect the socket to.*
port	*The port on the remote host to connect to.*

  Returns

  *a new **Socket** (p. 3607) object, caller must free this object when done.*

  Exceptions

IOException	*if an I/O error occurs while creating the **Socket** (p. 3607) object.*
UnknownHostException (p. 4019)	*if the host name is not known.*

- virtual **decaf::net::Socket** ∗ **createSocket** (const std::string &name, int port, const **decaf::net::InetAddress** ∗ifAddress, int localPort) throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*

  Parameters

host	*The host name or IP address to connect the socket to.*
port	*The port on the remote host to connect to.*
ifAddress	*The address on the local machine to bind the **Socket** (p. 3607) to.*
localPort	*The local port to bind the **Socket** (p. 3607) to.*

  Returns

  *a new **Socket** (p. 3607) object, caller must free this object when done.*

  Exceptions

IOException	*if an I/O error occurs while creating the **Socket** (p. 3607) object.*

UnknownHostException (p. 4019)	*if the host name is not known.*

- virtual std::vector< std::string > **getDefaultCipherSuites** ()

  Returns the list of cipher suites which are enabled by default.
  Unless a different list is enabled, handshaking on an SSL connection will use one of these cipher suites. The minimum quality of service for these defaults requires confidentiality protection and server authentication (that is, no anonymous cipher suites).

  Returns

  an STL vector containing the list of cipher suites enabled by default.

  See also

  getSupportedCipherSuites() *(p. 3682)*

- virtual std::vector< std::string > **getSupportedCipherSuites** ()

  Returns the names of the cipher suites which could be enabled for use on an SSL connection.
  Normally, only a subset of these will actually be enabled by default, since this list may include cipher suites which do not meet quality of service requirements for those defaults. Such cipher suites are useful in specialized applications.

  Returns

  an STL vector containing the list of supported cipher suites.

  See also

  getDefaultCipherSuites() *(p. 3681)*

- virtual **decaf::net::Socket** ∗ **createSocket** (**decaf::net::Socket** ∗socket, std::string host, int port, bool autoClose)

  Returns a socket layered over an existing socket connected to the named host, at the given port.
  This constructor can be used when tunneling SSL through a proxy or when negotiating the use of SSL over an existing socket. The host and port refer to the logical peer destination. This socket is configured using the socket options established for this factory.

  Parameters

socket	*The existing socket to layer over.*
host	*The server host the original **Socket** (p. 3607) is connected to.*
port	*The server port the original **Socket** (p. 3607) is connected to.*
autoClose	*Should the layered over **Socket** (p. 3607) be closed when the topmost socket is closed.*

  Returns

  *a new **Socket** (p. 3607) instance that wraps the given **Socket** (p. 3607).*

  Exceptions

IOException	*if an I/O exception occurs while performing this operation.*

UnknownHostException (p. 4019)	*if the host is unknown.*

6.595.1 Detailed Description

Client Socket Factory that creates SSL based client sockets using the OpenSSL library.

Since

1.0

6.595.2 Constructor & Destructor Documentation

6.595.2.1 decaf::internal::net::ssl::openssl::OpenSSLSocketFactory::OpenSSLSocketFactory (OpenSSLContextSpi * *parent*)

6.595.2.2 virtual decaf::internal::net::ssl::openssl::OpenSSLSocketFactory::~OpenSSLSocketFactory ( ) [virtual]

6.595.3 Member Function Documentation

6.595.3.1 virtual decaf::net::Socket* decaf::internal::net::ssl::openssl::OpenSSLSocketFactory::createSocket ( ) throw (decaf::io::IOException) [virtual]

Creates an unconnected **Socket** (p. 3607) object.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if the **Socket** (p. 3607) cannot be created.

Reimplemented from **decaf::net::SocketFactory** (p. 3631).

6.595.3.2 virtual decaf::net::Socket* decaf::internal::net::ssl::openssl::OpenSSLSocketFactory::createSocket (decaf::net::Socket * *socket,* std::string *host,* int *port,* bool *autoClose*) [virtual]

Returns a socket layered over an existing socket connected to the named host, at the given port.

This constructor can be used when tunneling SSL through a proxy or when negotiating the use of SSL over an existing socket. The host and port refer to the logical peer

destination. This socket is configured using the socket options established for this factory.

Parameters

socket	The existing socket to layer over.
host	The server host the original **Socket** (p. 3607) is connected to.
port	The server port the original **Socket** (p. 3607) is connected to.
autoClose	Should the layered over **Socket** (p. 3607) be closed when the topmost socket is closed.

Returns

a new **Socket** (p. 3607) instance that wraps the given **Socket** (p. 3607).

Exceptions

IOException	if an I/O exception occurs while performing this operation.
UnknownHostException (p. *4019*)	if the host is unknown.

Implements **decaf::net::ssl::SSLSocketFactory** (p. 3680).

6.595.3.3 virtual decaf::net::Socket* decaf::internal::net::ssl::openssl::OpenSSLSocketFactory::createSocket (const decaf::net::InetAddress * *host*, int *port*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

Parameters

host	The host to connect the socket to.
port	The port on the remote host to connect to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException (p. *4019*)	if the host name is not known.

Implements **decaf::net::SocketFactory** (p. 3631).

6.595.3.4 virtual decaf::net::Socket* decaf::internal::net::ssl::openssl::OpenSSLSocketFactory::createSocket (const std::string & *hostname*, int *port*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

Parameters

host	The host name or IP address to connect the socket to.
port	The port on the remote host to connect to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException (p. *4019*)	if the host name is not known.

Implements **decaf::net::SocketFactory** (p. 3632).

6.595.3.5 virtual decaf::net::Socket* decaf::internal::net::ssl::openssl::OpenSSLSocketFactory::createSocket (const std::string & *name*, int *port*, const decaf::net::InetAddress * *ifAddress*, int *localPort*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

Parameters

host	The host name or IP address to connect the socket to.
port	The port on the remote host to connect to.
ifAddress	The address on the local machine to bind the **Socket** (p. 3607) to.
localPort	The local port to bind the **Socket** (p. 3607) to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException (p. *4019*)	if the host name is not known.

Implements **decaf::net::SocketFactory** (p. 3632).

6.595.3.6 virtual decaf::net::Socket* decaf::internal::net::ssl::openssl::OpenSSLSocketFactory::createSocket (const decaf::net::InetAddress * *host,* int *port,* const decaf::net::InetAddress * *ifAddress,* int *localPort*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

The **Socket** (p. 3607) will be bound to the specified local address and port.

Parameters

host	The host to connect the socket to.
port	The port on the remote host to connect to.
ifAddress	The address on the local machine to bind the **Socket** (p. 3607) to.
localPort	The local port to bind the **Socket** (p. 3607) to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException *(p. 4019)*	if the host name is not known.

Implements **decaf::net::SocketFactory** (p. 3633).

6.595.3.7 virtual std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLSocketFactory::getDefaultCipherSuites ( ) [virtual]

Returns the list of cipher suites which are enabled by default.

Unless a different list is enabled, handshaking on an SSL connection will use one of these cipher suites. The minimum quality of service for these defaults requires confidentiality protection and server authentication (that is, no anonymous cipher suites).

Returns

an STL vector containing the list of cipher suites enabled by default.

See also

getSupportedCipherSuites() (p. 3682)

Implements **decaf::net::ssl::SSLSocketFactory** (p. 3681).

6.595.3.8 virtual std::vector<std::string> decaf::internal::net::ssl::openssl::OpenSSLSocketFactory::getSupportedCipherSuites ( ) [virtual]

Returns the names of the cipher suites which could be enabled for use on an SSL connection.

Normally, only a subset of these will actually be enabled by default, since this list may include cipher suites which do not meet quality of service requirements for those defaults. Such cipher suites are useful in specialized applications.

Returns

an STL vector containing the list of supported cipher suites.

See also

getDefaultCipherSuites() (p. 3681)

Implements **decaf::net::ssl::SSLSocketFactory** (p. 3682).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/ssl/openssl/**OpenSSLSocketFactory.h**

6.596 decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream Class Reference

An output stream for reading data from an OpenSSL Socket instance.

`#include <src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketInputStream.h>`

Inheritance diagram for decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream:

Public Member Functions

- **OpenSSLSocketInputStream** (**OpenSSLSocket** *socket)
- virtual ~**OpenSSLSocketInputStream** ()
- virtual int **available** () const throw (decaf::io::IOException)

  Indicates the number of bytes available.
  The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.
  The default implementation of this method returns zero.
  Returns

  the number of bytes available on this input stream.

Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

- virtual void **close** () throw (decaf::io::IOException)

  Close - does nothing.

- virtual long long **skip** (long long num) throw (decaf::io::IOException, decaf::lang::exceptions::Unsupporte
)

  Not supported.

Protected Member Functions

- virtual int **doReadByte** () throw (io::IOException)
- virtual int **doReadArrayBounded** (unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

6.596.1 Detailed Description

An output stream for reading data from an OpenSSL Socket instance.

Since

1.0

6.596.2 Constructor & Destructor Documentation

6.596.2.1 decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream::OpenSSLSocketInputStream (OpenSSLSocket ∗ *socket*)

6.596.2.2 virtual decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream::∼OpenSSLSocketInputStream ( ) [virtual]

6.596.3 Member Function Documentation

6.596.3.1 virtual int decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream::available ( ) const throw (decaf::io::IOException) [virtual]

Indicates the number of bytes available.

The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.

The default implementation of this method returns zero.

Returns

the number of bytes available on this input stream.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Reimplemented from **decaf::io::InputStream** (p. 2107).

6.596.3.2 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream::close ( ) throw (decaf::io::IOException) [virtual]

Close - does nothing.

It is the responsibility of the owner of the socket object to close it.

Closes the **InputStream** (p. 2105) freeing any resources that might have been aquired during the lifetime of this stream.

The default implementation of this method does nothing.

Reimplemented from **decaf::io::InputStream** (p. 2108).

6.596.3.3 virtual int decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream::doReadArrayBounded (unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException) [protected, virtual]

Reimplemented from **decaf::io::InputStream** (p. 2108).

6.596.3.4 virtual int decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream::doReadByte ( ) throw (io::IOException) [protected, virtual]

Implements **decaf::io::InputStream** (p. 2109).

6.596.3.5 virtual long long decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream::skip (long long *num*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Not supported.

Skips over and discards n bytes of data from this input stream.

The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions;

reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.

The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached. Subclasses are encouraged to provide a more efficient implementation of this method.

Parameters

num	The number of bytes to skip.

Returns

total bytes skipped

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.
UnsupportedOperationException	if the concrete stream class does not support skipping bytes.

Reimplemented from **decaf::io::InputStream** (p. 2113).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/ssl/openssl/**OpenSSLSocketInputStream.h**

6.597 decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream Class Reference

OutputStream implementation used to write data to an **OpenSSLSocket** (p. 2940) instance.

```
#include <src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketOutputStrea
```

Inheritance diagram for decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream:

Public Member Functions

- **OpenSSLSocketOutputStream** (**OpenSSLSocket** ∗socket)
- virtual ∼**OpenSSLSocketOutputStream** ()
- virtual void **close** () throw (decaf::io::IOException)

  Closes this object and deallocates the appropriate resources.
  The object is generally no longer usable after calling close.

  Exceptions

IOException (p. 2210)	*if an error occurs while closing.*

The default implementation of this method does nothing.

Protected Member Functions

- virtual void **doWriteByte** (unsigned char c) throw (decaf::io::IOException)
- virtual void **doWriteArrayBounded** (const unsigned char *buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

6.597.1 Detailed Description

OutputStream implementation used to write data to an **OpenSSLSocket** (p. 2940) instance.

Since

1.0

6.597.2 Constructor & Destructor Documentation

6.597.2.1 decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream::OpenSSLSocketOutputStream (OpenSSLSocket * *socket*)

6.597.2.2 virtual decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream::~OpenSSLSocketOutputStream ( ) [virtual]

6.597.3 Member Function Documentation

6.597.3.1 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream::close ( ) throw (decaf::io::IOException) [virtual]

Closes this object and deallocates the appropriate resources.

The object is generally no longer usable after calling close.

Exceptions

IOException *(p. 2210)*	if an error occurs while closing.

The default implementation of this method does nothing.

The default implementation of this method does nothing.

Reimplemented from **decaf::io::OutputStream** (p. 2993).

6.597.3.2 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream::doWriteArrayBounded (const unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) [protected, virtual]

Reimplemented from **decaf::io::OutputStream** (p. 2994).

6.597.3.3 virtual void decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream::doWriteByte (unsigned char *c*) throw (**decaf::io::IOException**) [protected, virtual]

Implements **decaf::io::OutputStream** (p. 2994).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/ssl/openssl/**OpenSSLSocketOutputStream.h**

6.598 activemq::wireformat::openwire::OpenWireFormat Class Reference

`#include <src/main/activemq/wireformat/openwire/OpenWireFormat.h>`

Inheritance diagram for activemq::wireformat::openwire::OpenWireFormat:

Public Member Functions

- **OpenWireFormat** (const **decaf::util::Properties** &properties)

  *Constructs a new **OpenWireFormat** (p. 2971) object.*

- virtual ~**OpenWireFormat** ()
- virtual bool **hasNegotiator** () const

  *Returns true if this **WireFormat** (p. 4088) has a Negotiator that needs to wrap the Transport that uses it.*

- virtual **Pointer**< **transport::Transport** > **createNegotiator** (const **Pointer**< **transport::Transport** > &transport) throw (decaf::lang::exceptions::UnsupportedOperationException)

  If the Transport Provides a Negotiator this method will create and return a news instance of the Negotiator.

- void **addMarshaller** (**marshal::DataStreamMarshaller** *marshaler)

  Allows an external source to add marshalers to this object for types that may be marshaled or unmarhsaled.

- virtual void **marshal** (const **Pointer**< **commands::Command** > &command, const **activemq::transport::Transport** *transport, **decaf::io::DataOutputStream** *out) throw (decaf::io::IOException)

  Stream based marshaling of a Command, this method blocks until the entire Command has been written out to the output stream.

- virtual **Pointer**< **commands::Command** > **unmarshal** (const **activemq::transport::Transport** *transport, **decaf::io::DataInputStream** *in) throw (decaf::io::IOException)

  Stream based un-marshaling, blocks on reads on the input stream until a complete command has been read and un-marshaled into the correct form.

- virtual int **tightMarshalNestedObject1** (**commands::DataStructure** *object, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Utility method for Tight Marshaling the given object to the boolean stream passed.

- void **tightMarshalNestedObject2** (**commands::DataStructure** *o, **decaf::io::DataOutputStream** *ds, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Utility method that will Tight marshal some internally nested object that implements the DataStructure interface.

- **commands::DataStructure** * **tightUnmarshalNestedObject** (**decaf::io::DataInputStream** *dis, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Utility method used to Unmarshal a Nested DataStructure type object from the given DataInputStream.

- **commands::DataStructure** * **looseUnmarshalNestedObject** (**decaf::io::DataInputStream** *dis) throw (decaf::io::IOException)

  Utility method to unmarshal an DataStructure object from an DataInputStream using the Loose Unmarshaling format.

- void **looseMarshalNestedObject** (**commands::DataStructure** *o, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Utility method to loosely Marshal an object that is derived from the DataStrucutre interface.

- void **renegotiateWireFormat** (const **commands::WireFormatInfo** &info) throw (decaf::lang::exceptions::IllegalStateException)

  Called to re-negotiate the settings for the WireFormatInfo, these determine how the client and broker communicate.

- virtual void **setPreferedWireFormatInfo** (const **Pointer**< **commands::WireFormatInfo** > &info) throw (decaf::lang::exceptions::IllegalStateException)

  Configures this object using the provided WireformatInfo object.

- virtual const **Pointer**< **commands::WireFormatInfo** > & **getPreferedWireFormatInfo** () const

  Gets the Preferred WireFormatInfo object that this class holds.

- bool **isStackTraceEnabled** () const

  Checks if the stackTraceEnabled flag is on.

- void **setStackTraceEnabled** (bool stackTraceEnabled)

  Sets if the stackTraceEnabled flag is on.

- bool **isTcpNoDelayEnabled** () const

  Checks if the tcpNoDelayEnabled flag is on.

- void **setTcpNoDelayEnabled** (bool tcpNoDelayEnabled)

  Sets if the tcpNoDelayEnabled flag is on.

- int **getVersion** () const

  Get the current Wireformat Version.

- void **setVersion** (int version) throw (decaf::lang::exceptions::IllegalArgumentException)

  Set the current Wireformat Version.

- virtual bool **inReceive** () const

  Is there a Message being unmarshaled?

- bool **isCacheEnabled** () const

  Checks if the cacheEnabled flag is on.

- void **setCacheEnabled** (bool cacheEnabled)

  Sets if the cacheEnabled flag is on.

- int **getCacheSize** () const

  Returns the currently set Cache size.

- void **setCacheSize** (int value)

  Sets the current Cache size.

- bool **isTightEncodingEnabled** () const

  Checks if the tightEncodingEnabled flag is on.

- void **setTightEncodingEnabled** (bool tightEncodingEnabled)

  Sets if the tightEncodingEnabled flag is on.

- bool **isSizePrefixDisabled** () const

  Checks if the sizePrefixDisabled flag is on.

- void **setSizePrefixDisabled** (bool sizePrefixDisabled)

  Sets if the sizePrefixDisabled flag is on.

- long long **getMaxInactivityDuration** () const

  Gets the MaxInactivityDuration setting.

- void **setMaxInactivityDuration** (long long value)

  Sets the MaxInactivityDuration setting.

- long long **getMaxInactivityDurationInitialDelay** () const

  Gets the MaxInactivityDurationInitialDelay setting.

- void **setMaxInactivityDurationInitialDelay** (long long value)

  Sets the MaxInactivityDurationInitialDelay setting.

Protected Member Functions

- **commands::DataStructure** ∗ **doUnmarshal** (**decaf::io::DataInputStream** ∗dis) throw (decaf::io::IOException)

  Perform the actual unmarshal of data from the given DataInputStream return the unmarshalled DataStrucutre object once done, caller takes ownership of this object.

- void **destroyMarshalers** ()

  Cleans up all registered Marshallers and empties the dataMarshallers vector.

Static Protected Attributes

- static const unsigned char **NULL_TYPE**
- static const int **DEFAULT_VERSION** = 1

6.598.1 Constructor & Destructor Documentation

6.598.1.1 activemq::wireformat::openwire::OpenWireFormat::OpenWireFormat (const decaf::util::Properties & *properties*)

Constructs a new **OpenWireFormat** (p. 2971) object.

Parameters

properties	- can contain optional config params.

6.598.1.2 virtual activemq::wireformat::openwire::OpenWireFormat::~OpenWireFormat ( )

[virtual]

6.598.2 Member Function Documentation

6.598.2.1 void activemq::wireformat::openwire::OpenWireFormat::addMarshaller (marshal::DataStreamMarshaller * *marshaler*)

Allows an external source to add marshalers to this object for types that may be marshaled or unmarhsaled.

Parameters

marshaler	- the Marshaler to add to the collection.

6.598.2.2 virtual Pointer<transport::Transport> activemq::wireformat::openwire::OpenWireFormat::createNegotiator (const Pointer< transport::Transport > & *transport*) throw (decaf::lang::exceptions::UnsupportedOperationException)

[virtual]

If the Transport Provides a Negotiator this method will create and return a news instance of the Negotiator.

Returns

new instance of a **WireFormatNegotiator** (p. 4129).

Implements **activemq::wireformat::WireFormat** (p. 4089).

6.598.2.3 void activemq::wireformat::openwire::OpenWireFormat::destroyMarshalers ( )

[protected]

Cleans up all registered Marshallers and empties the dataMarshallers vector.

This should be called before a reconfiguration of the version marshallers, or on destruction of this object

6.598.2.4 commands::DataStructure* activemq::wireformat::openwire::OpenWireFormat::doUnmarshal (decaf::io::DataInputStream * *dis*) throw (decaf::io::IOException)

[protected]

Perform the actual unmarshal of data from the given DataInputStream return the unmarshalled DataStrucutre object once done, caller takes ownership of this object.

This method can return null if the type of the object to unmarshal is NULL, empty data.

Parameters

dis	- DataInputStream to read from

Returns

new DataStructure∗ that the caller owns

Exceptions

IOException	if an error occurs during the unmarshal

6.598.2.5 int activemq::wireformat::openwire::OpenWireFormat::getCacheSize ( ) const [inline]

Returns the currently set Cache size.

Returns

the current value of the broker's cache size.

6.598.2.6 long long activemq::wireformat::openwire::OpenWireFormat::getMaxInactivityDuration ( ) const [inline]

Gets the MaxInactivityDuration setting.

Returns

maximum inactivity duration value in milliseconds.

6.598.2.7 long long activemq::wireformat::openwire::OpenWireFormat::getMaxInactivityDurationInitialDelay ( ) const [inline]

Gets the MaxInactivityDurationInitialDelay setting.

Returns

maximum inactivity duration initial delay value in milliseconds.

6.598.2.8 virtual const Pointer<commands::WireFormatInfo>& activemq::wireformat::openwire::OpenWireFormat::getPreferedWireFormatInfo ( ) const [inline, virtual]

Gets the Preferred WireFormatInfo object that this class holds.

Returns

pointer to a preferred WireFormatInfo object

6.598.2.9 int activemq::wireformat::openwire::OpenWireFormat::getVersion ( ) const [inline, virtual]

Get the current Wireformat Version.

Returns

int that identifies the version

Implements **activemq::wireformat::WireFormat** (p. 4090).

6.598.2.10 virtual bool activemq::wireformat::openwire::OpenWireFormat::hasNegotiator ( ) const [inline, virtual]

Returns true if this **WireFormat** (p. 4088) has a Negotiator that needs to wrap the Transport that uses it.

Returns

true if the **WireFormat** (p. 4088) provides a Negotiator.

Implements **activemq::wireformat::WireFormat** (p. 4090).

6.598.2.11 virtual bool activemq::wireformat::openwire::OpenWireFormat::inReceive ( ) const [inline, virtual]

Is there a Message being unmarshaled?

Returns

true while in the doUnmarshal method.

Implements **activemq::wireformat::WireFormat** (p. 4090).

6.598.2.12 bool activemq::wireformat::openwire::OpenWireFormat::isCacheEnabled ( ) const [inline]

Checks if the cacheEnabled flag is on.

Returns

true if the flag is on.

6.598.2.13 bool activemq::wireformat::openwire::OpenWireFormat::isSizePrefixDisabled ( ) const [inline]

Checks if the sizePrefixDisabled flag is on.

Returns

true if the flag is on.

6.598.2.14 bool activemq::wireformat::openwire::OpenWireFormat::isStackTraceEnabled ( ) const [inline]

Checks if the stackTraceEnabled flag is on.

Returns

true if the flag is on.

6.598.2.15 bool activemq::wireformat::openwire::OpenWireFormat::isTcpNoDelayEnabled ( ) const [inline]

Checks if the tcpNoDelayEnabled flag is on.

Returns

true if the flag is on.

6.598.2.16 bool activemq::wireformat::openwire::OpenWireFormat::isTightEncodingEnabled ( ) const [inline]

Checks if the tightEncodingEnabled flag is on.

Returns

true if the flag is on.

6.598.2.17 void activemq::wireformat::openwire::OpenWireFormat::looseMarshalNestedObject (commands::DataStructure * *o*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException)

Utility method to loosely Marshal an object that is derived from the DataStrucutre interface.

The marshaled data is written to the passed in DataOutputStream.

Parameters

o	- DataStructure derived Object to Marshal
dataOut	- DataOutputStream to write the data to

Exceptions

IOException	if an error occurs.

6.598.2.18 commands::DataStructure* activemq::wireformat::openwire::OpenWireFormat::looseUnmarshalNestedObject (decaf::io::DataInputStream * *dis*) throw (decaf::io::IOException)

Utility method to unmarshal an DataStructure object from an DataInputStream using the Loose Unmarshaling format.

Will read the Data and construct a new DataStructure based Object, the pointer to the Object returned is now owned by the caller.

Parameters

dis	- the DataInputStream to read the data from

Returns

a new DataStructure derived Object pointer

Exceptions

IOException	if an error occurs.

6.598.2.19 virtual void activemq::wireformat::openwire::OpenWireFormat::marshal (const Pointer< commands::Command > & *command,* const activemq::transport::Transport * *transport,* decaf::io::DataOutputStream * *out*) throw (decaf::io::IOException) [virtual]

Stream based marshaling of a Command, this method blocks until the entire Command has been written out to the output stream.

Parameters

command	The Command to Marshal.
transport	The Transport instance that called this method.
out	The output stream to write the command to.

Exceptions

IOException	

Implements **activemq::wireformat::WireFormat** (p. 4091).

6.598.2.20 void activemq::wireformat::openwire::OpenWireFormat::renegotiateWireFormat (const commands::WireFormatInfo & *info*) throw (decaf::lang::exceptions::IllegalStateException)

Called to re-negotiate the settings for the WireFormatInfo, these determine how the client and broker communicate.

Parameters

info	- The new Wireformat Info settings

Exceptions

IllegalStateException	is wire format can't be negotiated.

6.598.2.21 void activemq::wireformat::openwire::OpenWireFormat::setCacheEnabled (bool *cacheEnabled*) [inline]

Sets if the cacheEnabled flag is on.

Parameters

cacheEnabled	- true to turn flag is on

6.598.2.22 void activemq::wireformat::openwire::OpenWireFormat::setCacheSize (int *value*) [inline]

Sets the current Cache size.

Parameters

value	- the value to send as the broker's cache size.

6.598.2.23 void activemq::wireformat::openwire::OpenWireFormat::setMaxInactivityDuration (long long *value*) [inline]

Sets the MaxInactivityDuration setting.

Parameters

value	- the Max inactivity duration value in milliseconds.

6.598.2.24 void activemq::wireformat::openwire::OpenWireFormat::setMaxInactivityDurationInitialDelay (long long *value*) [inline]

Sets the MaxInactivityDurationInitialDelay setting.

Parameters

value	- the Max inactivity Initial Delay duration value in milliseconds.

6.598.2.25 virtual void activemq::wireformat::openwire::OpenWireFormat::setPreferedWireFormatInfo (const Pointer< commands::WireFormatInfo > & *info*) throw (decaf::lang::exceptions::IllegalStateException) [virtual]

Configures this object using the provided WireformatInfo object.

Parameters

info	- a WireFormatInfo object, takes ownership.

6.598.2.26 void activemq::wireformat::openwire::OpenWireFormat::setSizePrefixDisabled (bool *sizePrefixDisabled*) [inline]

Sets if the sizePrefixDisabled flag is on.

Parameters

sizePrefixDisabled	- true to turn flag is on

6.598.2.27 void activemq::wireformat::openwire::OpenWireFormat::setStackTraceEnabled (bool *stackTraceEnabled*) [inline]

Sets if the stackTraceEnabled flag is on.

Parameters

stackTraceEnabled	- true to turn flag is on

6.598.2.28 void activemq::wireformat::openwire::OpenWireFormat::setTcpNoDelayEnabled (bool *tcpNoDelayEnabled*) [inline]

Sets if the tcpNoDelayEnabled flag is on.

Parameters

tcpNoDelayEnabled	- true to turn flag is on

6.598.2.29 void activemq::wireformat::openwire::OpenWireFormat::setTightEncodingEnabled (bool *tightEncodingEnabled*) [inline]

Sets if the tightEncodingEnabled flag is on.

Parameters

tightEncodingEnabled	- true to turn flag is on

6.598.2.30 void activemq::wireformat::openwire::OpenWireFormat::setVersion (int *version*) throw (decaf::lang::exceptions::IllegalArgumentException) [virtual]

Set the current Wireformat Version.

Parameters

version	- int that identifies the version

Implements **activemq::wireformat::WireFormat** (p. 4091).

6.598.2.31 virtual int activemq::wireformat::openwire::OpenWireFormat::tightMarshalNestedObject1 (commands::DataStructure * *object*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Utility method for Tight Marshaling the given object to the boolean stream passed.

Parameters

object	- The DataStructure to marshal
bs	- the BooleanStream to write to

Returns

size of the data returned.

6.598.2.32 void activemq::wireformat::openwire::OpenWireFormat::tightMarshalNestedObject2 (commands::DataStructure * *o*, decaf::io::DataOutputStream * *ds*, utils::BooleanStream * *bs*) throw (decaf::io::IOException)

Utility method that will Tight marshal some internally nested object that implements the DataStructure interface.

Writes the data to the Data Output Stream provided.

Parameters

o	- DataStructure object
ds	- DataOuputStream for writing
bs	- BooleanStream

Exceptions

IOException	if an error occurs.

6.598.2.33 commands::DataStructure* activemq::wireformat::openwire::OpenWireFormat::tightUnmarshalNestedObject (decaf::io::DataInputStream * *dis*, utils::BooleanStream * *bs*) throw (decaf::io::IOException)

Utility method used to Unmarshal a Nested DataStructure type object from the given DataInputStream.

The DataStructure instance that is returned is now the property of the caller.

Parameters

dis	- DataInputStream to read from
bs	- BooleanStream to read from

Returns

Newly allocated DataStructure Object

Exceptions

IOException	if an error occurs.

6.598.2.34 virtual Pointer<commands::Command> activemq::wireformat::openwire::OpenWireFormat::unmarshal (const activemq::transport::Transport * *transport*, decaf::io::DataInputStream * *in*) throw (decaf::io::IOException) [virtual]

Stream based un-marshaling, blocks on reads on the input stream until a complete command has been read and un-marshaled into the correct form.

Returns a Pointer to the newly un-marshaled Command.

Parameters

transport	- Pointer to the transport that is making this request.
in	- the input stream to read the command from.

Returns

the newly marshaled Command, caller owns the pointer

Exceptions

IOException	

Implements **activemq::wireformat::WireFormat** (p. 4091).

6.598.3 Field Documentation

6.598.3.1 const int activemq::wireformat::openwire::OpenWireFormat::DEFAULT_VERSION = 1 [static, protected]

6.598.3.2 const unsigned char activemq::wireformat::openwire::OpenWireFormat::NULL_TYPE [static, protected]

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/**OpenWireFormat.h**

6.599 activemq::wireformat::openwire::OpenWireFormatFactory Class Reference

`#include <src/main/activemq/wireformat/openwire/OpenWireFormatFactory.h>`

Inheritance diagram for activemq::wireformat::openwire::OpenWireFormatFactory:

Public Member Functions

- **OpenWireFormatFactory** ()

  Constructor - Sets Defaults for all properties, these are all subject to change once the `createWireFormat` method is called.

- virtual ~**OpenWireFormatFactory** ()
- virtual **Pointer**< **wireformat::WireFormat** > **createWireFormat** (const **decaf::util::Properties** &properties) throw (decaf::lang::exceptions::IllegalStateException)

*Creates a new **WireFormat** (p. 4088) Object passing it a set of properties from which it can obtain any optional settings.*

6.599.1 Constructor & Destructor Documentation

6.599.1.1 activemq::wireformat::openwire::OpenWireFormatFactory::OpenWireFormatFactory ( ) [inline]

Constructor - Sets Defaults for all properties, these are all subject to change once the `createWireFormat` method is called.

URL options ---------- wireFormat.stackTraceEnabled wireFormat.cacheEnabled wireFormat.tcpNoDelayEnabled wireFormat.tightEncodingEnabled wireFormat.sizePrefixDisabled wireFormat.maxInactivityDuration wireFormat.maxInactivityDurationInitialDelay

6.599.1.2 virtual activemq::wireformat::openwire::OpenWireFormatFactory::~OpenWireFormatFactory ( ) [inline, virtual]

6.599.2 Member Function Documentation

6.599.2.1 virtual Pointer<wireformat::WireFormat> activemq::wireformat::openwire::OpenWireFormatFactory::createWireFormat (const decaf::util::Properties & *properties*) throw (decaf::lang::exceptions::IllegalStateException) [virtual]

Creates a new **WireFormat** (p. 4088) Object passing it a set of properties from which it can obtain any optional settings.

Parameters

properties	- the Properties for this **WireFormat** (p. 4088)

Implements **activemq::wireformat::WireFormatFactory** (p. 4093).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/**OpenWireFormatFactory.h**

6.600 activemq::wireformat::openwire::OpenWireFormatNegotiator Class Reference

`#include <src/main/activemq/wireformat/openwire/OpenWireFormatNegotiator.h`

Inheritance diagram for activemq::wireformat::openwire::OpenWireFormatNegotiator:

Public Member Functions

- **OpenWireFormatNegotiator** (**OpenWireFormat** ∗wireFormat, const **Pointer**< **transport::Transport** > &**next**)

  Constructor - Initializes this object around another Transport.

- virtual ∼**OpenWireFormatNegotiator** ()
- virtual void **oneway** (const **Pointer**< **commands::Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends a one-way command.

- virtual **Pointer**< **commands::Response** > **request** (const **Pointer**< **commands::Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends the given request to the server and waits for the response.

- virtual **Pointer**< **commands::Response** > **request** (const **Pointer**< **commands::Command** > &command, unsigned int timeout) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationEx)

  Sends the given request to the server and waits for the response.

- virtual void **onCommand** (const **Pointer**< **commands::Command** > &command)

  This is called in the context of the nested transport's reading thread.

- virtual void **onTransportException** (**transport::Transport** ∗source, const **decaf::lang::Exception** &ex)

  Event handler for an exception from a command transport.

- virtual void **start** () throw (decaf::io::IOException)

  Starts this transport object and creates the thread for polling on the input stream for commands.

- virtual void **close** () throw (decaf::io::IOException)

  Stops the polling thread and closes the streams.

6.600.1 Constructor & Destructor Documentation

6.600.1.1 activemq::wireformat::openwire::OpenWireFormatNegotiator::OpenWireFormatNegotiator (OpenWireFormat ∗ *wireFormat,* const Pointer< transport::Transport > & *next*)

Constructor - Initializes this object around another Transport.

Parameters

wireFormat	- The **WireFormat** (p. 4088) object we use to negotiate
next	- The next transport in the chain

6.600.1.2 virtual activemq::wireformat::openwire::OpenWireFormatNegotiator::~OpenWireFormatNegotiator ( ) [virtual]

6.600.2 Member Function Documentation

6.600.2.1 virtual void activemq::wireformat::openwire::OpenWireFormatNegotiator::close ( ) throw (decaf::io::IOException) [virtual]

Stops the polling thread and closes the streams.

This can be called explicitly, but is also called in the destructor. Once this object has been closed, it cannot be restarted.

Exceptions

IOException	if errors occur.

Reimplemented from **activemq::transport::TransportFilter** (p. 4007).

6.600.2.2 virtual void activemq::wireformat::openwire::OpenWireFormatNegotiator::onCommand (const Pointer< commands::Command > & *command*) [virtual]

This is called in the context of the nested transport's reading thread.

In the case of a response object, updates the request map and notifies those waiting on the response. Non-response messages are just delegated to the command listener.

Parameters

command	the received from the nested transport.

Reimplemented from **activemq::transport::TransportFilter** (p. 4009).

6.600.2.3 virtual void activemq::wireformat::openwire::OpenWireFormatNegotiator::oneway (const Pointer< commands::Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends a one-way command.

Does not wait for any response from the broker. First waits for the WireFormatInfo exchange to happen so that we know how to encode out-bound data.

Parameters

command	the command to be sent.

Exceptions

IOException	if an exception occurs during writing of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Reimplemented from **activemq::transport::TransportFilter** (p. 4010).

6.600.2.4 virtual void activemq::wireformat::openwire::OpenWireFormatNegotiator::onTransportException (transport::Transport * *source*, const decaf::lang::Exception & *ex*) [virtual]

Event handler for an exception from a command transport.

Parameters

source	The source of the exception
ex	The exception.

6.600.2.5 virtual Pointer<commands::Response> activemq::wireformat::openwire::OpenWireFormatNegotiator::request (const Pointer< commands::Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends the given request to the server and waits for the response.

First waits for the WireFormatInfo exchange to happen so that we know how to encode out-bound data.

Parameters

command	The request to send.

Returns

the response from the server.

Exceptions

IOException	if an error occurs with the request.

Reimplemented from **activemq::transport::TransportFilter** (p. 4011).

6.600.2.6 virtual Pointer<commands::Response> activemq::wireformat::openwire::OpenWireFormatNegotiator::request (const Pointer< commands::Command > & *command,* unsigned int *timeout*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends the given request to the server and waits for the response.

First waits for the WireFormatInfo exchange to happen so that we know how to encode out-bound data.

Parameters

command	The request to send.
timeout	The time to wait for the response.

Returns

the response from the server.

Exceptions

IOException	if an error occurs with the request.

Reimplemented from **activemq::transport::TransportFilter** (p. 4011).

6.600.2.7 virtual void activemq::wireformat::openwire::OpenWireFormatNegotiator::start ( ) throw (decaf::io::IOException) [virtual]

Starts this transport object and creates the thread for polling on the input stream for commands.

If this object has been closed, throws an exception. Before calling start, the caller must set the IO streams and the reader and writer objects.

Exceptions

IOException	if an error occurs or if this transport has already been closed.

Reimplemented from **activemq::transport::TransportFilter** (p. 4012).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/**OpenWireFormatNegotiator.h**

6.601 activemq::wireformat::openwire::OpenWireResponseBuilder Class Reference

```
#include <src/main/activemq/wireformat/openwire/OpenWireResponseBuilder.h>
```

Inheritance diagram for activemq::wireformat::openwire::OpenWireResponseBuilder:

Public Member Functions

- **OpenWireResponseBuilder** ()
- virtual ~**OpenWireResponseBuilder** ()
- virtual **Pointer**< **commands::Response** > **buildResponse** (const **Pointer**< **commands::Command** > &command)

  Given a Command, check if it requires a response and return the appropriate Response that the Broker would send for this Command.

- virtual void **buildIncomingCommands** (const **Pointer**< **commands::Command** > &command, **decaf::util::StlQueue**< **Pointer**< **commands::Command** > > &queue)

  When called the ResponseBuilder must construct all the Responses or Asynchronous commands that would be sent to this client by the Broker upon receipt of the passed command.

6.601.1 Constructor & Destructor Documentation

6.601.1.1 activemq::wireformat::openwire::OpenWireResponseBuilder::OpenWireResponseBuilder ( ) [inline]

6.601.1.2 virtual activemq::wireformat::openwire::OpenWireResponseBuilder::~OpenWireResponseBuilder ( ) [inline, virtual]

6.601.2 Member Function Documentation

6.601.2.1 virtual void activemq::wireformat::openwire::OpenWireResponseBuilder::buildIncomingCommands (const Pointer< commands::Command > & *command*, decaf::util::StlQueue< Pointer< commands::Command > > & *queue*) [virtual]

When called the ResponseBuilder must construct all the Responses or Asynchronous commands that would be sent to this client by the Broker upon receipt of the passed command.

Parameters

command	- The Command being sent to the Broker.
queue	- Queue of Command sent back from the broker.

Implements **activemq::transport::mock::ResponseBuilder** (p. 3383).

6.601.2.2 virtual Pointer<commands::Response> activemq::wireformat::openwire::OpenWireResponseBuilder::buildResponse (const Pointer< commands::Command > & *command*) [virtual]

Given a Command, check if it requires a response and return the appropriate Response that the Broker would send for this Command.

Parameters

command	- The command to build a response for

Returns

A Response object pointer, or NULL if no response.

Implements **activemq::transport::mock::ResponseBuilder** (p. 3384).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/**OpenWireResponseBuilder.h**

6.602 decaf::io::OutputStream Class Reference

Base interface for any class that wants to represent an output stream of bytes.

`#include <src/main/decaf/io/OutputStream.h>`

Inheritance diagram for decaf::io::OutputStream:

Public Member Functions

- **OutputStream** ()
- virtual ~**OutputStream** ()
- virtual void **close** () throw (decaf::io::IOException)

  Closes this object and deallocates the appropriate resources.
  The object is generally no longer usable after calling close.
  Exceptions

IOException (p. 2210)	*if an error occurs while closing.*

- virtual void **flush** () throw (decaf::io::IOException)

  Flushes this stream by writing any buffered output to the underlying stream.
  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

- virtual void **write** (unsigned char c) throw (decaf::io::IOException)

  Writes a single byte to the output stream.

- virtual void **write** (const unsigned char ∗buffer, int size) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Writes an array of bytes to the output stream.

- virtual void **write** (const unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Writes an array of bytes to the output stream in order starting at buffer[offset] and proceeding until the number of bytes specified by the length argument are written or an error occurs.

- virtual std::string **toString** () const

  Output a String representation of this object.

- virtual void **lock** () throw (decaf::lang::exceptions::RuntimeException)

  Locks the object.

- virtual bool **tryLock** () throw (decaf::lang::exceptions::RuntimeException)

  Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

- virtual void **unlock** () throw (decaf::lang::exceptions::RuntimeException)

  Unlocks the object.

- virtual void **wait** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateEx decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs, int nanos) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **notify** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals a waiter on this object that it can now wake up and continue.

- virtual void **notifyAll** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

Signals the waiters on this object that it can now wake up and continue.

Protected Member Functions

- virtual void **doWriteByte** (unsigned char value)=0 throw (decaf::io::IOException)
- virtual void **doWriteArray** (const unsigned char *buffer, int size) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOf)
- virtual void **doWriteArrayBounded** (const unsigned char *buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

6.602.1 Detailed Description

Base interface for any class that wants to represent an output stream of bytes.

Since

1.0

6.602.2 Constructor & Destructor Documentation

6.602.2.1 decaf::io::OutputStream::OutputStream ( )

6.602.2.2 virtual decaf::io::OutputStream::~OutputStream ( ) [virtual]

6.602.3 Member Function Documentation

6.602.3.1 virtual void decaf::io::OutputStream::close ( ) throw (decaf::io::IOException) [virtual]

Closes this object and deallocates the appropriate resources.

The object is generally no longer usable after calling close.

Exceptions

IOException *(p. 2210)*	if an error occurs while closing.

The default implementation of this method does nothing.

Implements **decaf::io::Closeable** (p. 1181).

Reimplemented in **decaf::internal::io::StandardErrorOutputStream** (p. 3687), **decaf::internal::io::StandardOutputStream** (p. 3690), **decaf::internal::net::ssl::openssl::OpenSSLSocketOu** (p. 2970), **decaf::internal::net::tcp::TcpSocketOutputStream** (p. 3864), **decaf::io::FilterOutputStream**

(p. 1959), and **decaf::util::zip::DeflaterOutputStream** (p. 1772).

6.602.3.2 virtual void decaf::io::OutputStream::doWriteArray (const unsigned char * *buffer,* int *size*) throw (**decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException**) [protected, virtual]

Reimplemented in **decaf::io::BufferedOutputStream** (p. 950), and **decaf::io::FilterOutputStream** (p. 1960).

6.602.3.3 virtual void decaf::io::OutputStream::doWriteArrayBounded (const unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (**decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException**) [protected, virtual]

Reimplemented in **activemq::io::LoggingOutputStream** (p. 2477), **decaf::internal::io::StandardErrorOutputStream** (p. 3687), **decaf::internal::io::StandardOutputStream** (p. 3691), **decaf::internal::net::ssl::openssl::OpenSSLSocketOu** (p. 2971), **decaf::internal::net::tcp::TcpSocketOutputStream** (p. 3865), **decaf::io::BufferedOutputStream** (p. 950), **decaf::io::ByteArrayOutputStream** (p. 1048), **decaf::io::DataOutputStream** (p. 1630), **decaf::io::FilterOutputStream** (p. 1960), **decaf::util::zip::CheckedOutputStream** (p. 1173), and **decaf::util::zip::DeflaterOutputStream** (p. 1773).

6.602.3.4 virtual void decaf::io::OutputStream::doWriteByte (unsigned char *value*) throw (**decaf::io::IOException**) [protected, pure virtual]

Implemented in **activemq::io::LoggingOutputStream** (p. 2477), **decaf::internal::io::StandardErrorOutputStream** (p. 3688), **decaf::internal::io::StandardOutputStream** (p. 3691), **decaf::internal::net::ssl::openssl::OpenSSLSocketOu** (p. 2971), **decaf::internal::net::tcp::TcpSocketOutputStream** (p. 3865), **decaf::io::BufferedOutputStream** (p. 950), **decaf::io::ByteArrayOutputStream** (p. 1048), **decaf::io::DataOutputStream** (p. 1630), **decaf::io::FilterOutputStream** (p. 1960), **decaf::util::zip::CheckedOutputStream** (p. 1173), and **decaf::util::zip::DeflaterOutputStream** (p. 1773).

6.602.3.5 virtual void decaf::io::OutputStream::flush ( ) throw (**decaf::io::IOException**) [virtual]

Flushes this stream by writing any buffered output to the underlying stream.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

The default implementation of this method does nothing.

Implements **decaf::io::Flushable** (p. 1998).

Reimplemented in **decaf::internal::io::StandardErrorOutputStream** (p. 3688), **decaf::internal::io::StandardOutputStream** (p. 3691), **decaf::io::BufferedOutputStream** (p. 951), and **decaf::io::FilterOutputStream** (p. 1960).

6.602.3.6 virtual void decaf::io::OutputStream::lock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Locks the object.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3812).

6.602.3.7 virtual void decaf::io::OutputStream::notify ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals a waiter on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.
RuntimeException	if an error occurs while notifying one of the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3813).

6.602.3.8 virtual void decaf::io::OutputStream::notifyAll ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals the waiters on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.
RuntimeException	if an error occurs while notifying the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3814).

6.602.3.9 virtual std::string decaf::io::OutputStream::toString ( ) const [virtual]

Output a String representation of this object.

The default version of this method just prints the Class Name.

Returns

a string representation of the object.

Reimplemented in **decaf::io::ByteArrayOutputStream** (p. 1049), and **decaf::io::FilterOutputStream** (p. 1961).

6.602.3.10 virtual bool decaf::io::OutputStream::tryLock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

Returns

true if the lock was acquired, false if it is already held by another thread.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3815).

6.602.3.11 virtual void decaf::io::OutputStream::unlock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Unlocks the object.

Exceptions

RuntimeException	if an error occurs while unlocking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3816).

6.602.3.12 virtual void decaf::io::OutputStream::wait ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling.

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3818).

6.602.3.13 virtual void decaf::io::OutputStream::wait (long long *millisecs*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3819).

6.602.3.14 virtual void decaf::io::OutputStream::wait (long long *millisecs*, int *nanos*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval. This method is similar to the one argument wait function except that it add a finer grained control over the amount of time that it waits by adding in the additional nanosecond argument.

NOTE: The ability to wait accurately at a nanosecond scale depends on the platform and OS that the Decaf API is running on, some systems do not provide an accurate enough clock to provide this level of granularity.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE
nanos	additional time in nanoseconds with a range of 0-999999

Exceptions

IllegalArgumentException	if an error occurs or the nanos argument is not in the range of [0-999999]
RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3820).

6.602.3.15 virtual void decaf::io::OutputStream::write (unsigned char *c*) throw (decaf::io::IOException) [virtual]

Writes a single byte to the output stream.

The default implementation of this method calls the pure virtual method doWriteByte which must be implemented by any subclass of the **OutputStream** (p. 2991).

Parameters

c	The byte to write to the sink.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

6.602.3.16 virtual void decaf::io::OutputStream::write (const unsigned char * *buffer*, int *size*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes an array of bytes to the output stream.

The entire contents of the given vector are written to the output stream.

The default implementation of this method simply calls the doWriteArray which writes the contents of the array using the doWriteByte method repeatedly. It is recommended that a subclass override doWriteArray to provide more performant means of writing the array.

Parameters

buffer	The vector of bytes to write.
size	The size of the buffer passed.

Exceptions

IOException (p. *2210*)	if an I/O error occurs.
NullPointerException	thrown if buffer is Null.
IndexOutOfBoundsException	if size value is negative.

6.602.3.17 virtual void decaf::io::OutputStream::write (const unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes an array of bytes to the output stream in order starting at buffer[offset] and proceeding until the number of bytes specified by the length argument are written or an error occurs.

The default implementation of this method simply calls the doWriteArrayBounded method which writes the contents of the array using the doWriteByte method repeatedly. It is recommended that a subclass override doWriteArrayBounded to provide more performant means of writing the array.

Parameters

buffer	The array of bytes to write.
size	The size of the buffer array passed.
offset	The position to start writing in buffer.
length	The number of bytes from the buffer to be written.

Exceptions

IOException (p. *2210*)	if an I/O error occurs.
NullPointerException	thrown if buffer is Null.
IndexOutOfBoundsException	if the offset + length > size. or one of the parameters is negative.

The documentation for this class was generated from the following file:

- src/main/decaf/io/**OutputStream.h**

6.603 decaf::io::OutputStreamWriter Class Reference

A class for turning a character stream into a byte stream.

`#include <src/main/decaf/io/OutputStreamWriter.h>`

Inheritance diagram for decaf::io::OutputStreamWriter:

Public Member Functions

- **OutputStreamWriter** (**OutputStream** ∗stream, bool own=false)

  *Creates a new **OutputStreamWriter** (p. 2999).*

- virtual ∼**OutputStreamWriter** ()
- virtual void **close** () throw (decaf::io::IOException)

  Closes this object and deallocates the appropriate resources.

- virtual void **flush** () throw (decaf::io::IOException)

  Flushes this stream by writing any buffered output to the underlying stream.

Protected Member Functions

- virtual void **doWriteArrayBounded** (const char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Override this method to customize the functionality of the method write(char∗ buffer, int size, int offset, int length).

- virtual void **checkClosed** () const throw (decaf::io::IOException)

6.603.1 Detailed Description

A class for turning a character stream into a byte stream.

See also

InputStreamReader (p. 2116)

Since

1.0

6.603.2 Constructor & Destructor Documentation

6.603.2.1 decaf::io::OutputStreamWriter::OutputStreamWriter (OutputStream ∗ *stream*, bool *own* = `false`)

Creates a new **OutputStreamWriter** (p. 2999).

Parameters

stream	The **OutputStream** (p. 2991) to wrap. (cannot be NULL).
own	Indicates whether this instance own the given **OutputStream** (p. 2991). If true then the **OutputStream** (p. 2991) is destroyed when this class is.

Exceptions

NullPointerException	if the stream is NULL.

6.603.2.2 virtual decaf::io::OutputStreamWriter::~OutputStreamWriter ( ) [virtual]

6.603.3 Member Function Documentation

6.603.3.1 virtual void decaf::io::OutputStreamWriter::checkClosed ( ) const throw (**decaf::io::IOException**) [protected, virtual]

6.603.3.2 virtual void decaf::io::OutputStreamWriter::close ( ) throw (**decaf::io::IOException**) [virtual]

Closes this object and deallocates the appropriate resources.

The object is generally no longer usable after calling close.

Exceptions

IOException *(p. 2210)*	if an error occurs while closing.

Implements **decaf::io::Closeable** (p. 1181).

6.603.3.3 virtual void decaf::io::OutputStreamWriter::doWriteArrayBounded (const char * *buffer*, int *size*, int *offset*, int *length*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) [protected, virtual]

Override this method to customize the functionality of the method write(char* buffer, int size, int offset, int length).

All subclasses must override this method to provide the basic **Writer** (p. 4133) functionality.

Implements **decaf::io::Writer** (p. 4137).

6.603.3.4 virtual void decaf::io::OutputStreamWriter::flush ( ) throw (**decaf::io::IOException**) [virtual]

Flushes this stream by writing any buffered output to the underlying stream.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Implements **decaf::io::Flushable** (p. 1998).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**OutputStreamWriter.h**

6.604 activemq::commands::PartialCommand Class Reference

`#include <src/main/activemq/commands/PartialCommand.h>`

Inheritance diagram for activemq::commands::PartialCommand:

Public Member Functions

- **PartialCommand** ()
- virtual ∼**PartialCommand** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **PartialCommand** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual int **getCommandId** () const
- virtual void **setCommandId** (int **commandId**)
- virtual const std::vector< unsigned char > & **getData** () const
- virtual std::vector< unsigned char > & **getData** ()
- virtual void **setData** (const std::vector< unsigned char > &**data**)

Static Public Attributes

- static const unsigned char **ID_PARTIALCOMMAND** = 60

Protected Attributes

- int **commandId**
- std::vector< unsigned char > **data**

6.604.1 Constructor & Destructor Documentation

6.604.1.1 activemq::commands::PartialCommand::PartialCommand ( )

6.604.1.2 virtual activemq::commands::PartialCommand::~PartialCommand ( ) [virtual]

6.604.2 Member Function Documentation

6.604.2.1 virtual PartialCommand* activemq::commands::PartialCommand::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

Reimplemented in **activemq::commands::LastPartialCommand** (p. 2372).

6.604.2.2 virtual void activemq::commands::PartialCommand::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

Reimplemented in **activemq::commands::LastPartialCommand** (p. 2372).

6.604.2.3 virtual bool activemq::commands::PartialCommand::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

Reimplemented in **activemq::commands::LastPartialCommand** (p. 2373).

6.604.2.4 virtual int activemq::commands::PartialCommand::getCommandId ( ) const [virtual]

6.604.2.5 virtual std::vector<unsigned char>& activemq::commands::PartialCommand::getData ( ) [virtual]

6.604.2.6 virtual const std::vector<unsigned char>& activemq::commands::PartialCommand::getData ( ) const [virtual]

6.604.2.7 virtual unsigned char activemq::commands::PartialCommand::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

Reimplemented in **activemq::commands::LastPartialCommand** (p. 2373).

6.604.2.8 virtual void activemq::commands::PartialCommand::setCommandId (int *commandId*) [virtual]

6.604.2.9 virtual void activemq::commands::PartialCommand::setData (const std::vector< unsigned char > & *data*) [virtual]

6.604.2.10 virtual std::string activemq::commands::PartialCommand::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

Reimplemented in **activemq::commands::LastPartialCommand** (p. 2373).

6.604.3 Field Documentation

6.604.3.1 int activemq::commands::PartialCommand::commandId [protected]

6.604.3.2 std::vector<unsigned char> activemq::commands::PartialCommand::data [protected]

6.604.3.3 const unsigned char activemq::commands::PartialCommand::ID_-PARTIALCOMMAND = 60 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**PartialCommand.h**

6.605 activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3005).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/PartialCommandM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller:

Public Member Functions

- **PartialCommandMarshaller** ()
- virtual ~**PartialCommandMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.605.1 Detailed Description

Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3005). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.605.2 Constructor & Destructor Documentation

6.605.2.1 activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller::PartialCommandMarshaller ( ) [inline]

6.605.2.2 virtual activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller::~PartialCommandMarshaller ( ) [inline, virtual]

6.605.3 Member Function Documentation

6.605.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller** (p. 2375).

6.605.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller** (p. 2375).

6.605.3.3 virtual void activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller** (p. 2375).

6.605.3.4 virtual void activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller** (p. 2376).

6.605.3.5 virtual int activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller** (p. 2376).

6.605.3.6 virtual void activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller** (p. 2377).

6.605.3.7 virtual void activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller** (p. 2377).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**PartialCommandMarshaller.h**

6.606 activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3010).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/PartialCommandMarshaller
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller:

Public Member Functions

- **PartialCommandMarshaller** ()
- virtual ∼**PartialCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.606.1 Detailed Description

Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3010).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.606.2 Constructor & Destructor Documentation

6.606.2.1 activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller::PartialCommandMarshaller ( ) [inline]

6.606.2.2 virtual activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller::∼PartialCommandMarshaller ( ) [inline, virtual]

6.606.3 Member Function Documentation

6.606.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2383).

6.606.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2384).

6.606.3.3 virtual void activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2384).

6.606.3.4 virtual void activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2384).

6.606.3.5 virtual int activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2385).

6.606.3.6 virtual void activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2385).

6.606.3.7 virtual void activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller** (p. 2386).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**PartialCommandMarshaller.h**

6.607 activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3014).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/PartialCommandMarshaller
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller:

Public Member Functions

- **PartialCommandMarshaller** ()
- virtual ~**PartialCommandMarshaller** ()

- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.607.1 Detailed Description

Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3014). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.607.2 Constructor & Destructor Documentation

6.607.2.1 activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller::PartialCommandMarshaller ( ) [inline]

6.607.2.2 virtual activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller::~PartialCommandMarshaller ( ) [inline, virtual]

6.607.3 Member Function Documentation

6.607.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2388).

6.607.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2388).

6.607.3.3 virtual void activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides the data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2388).

6.607.3.4 virtual void activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2389).

6.607.3.5 virtual int activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2389).

6.607.3.6 virtual void activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2390).

6.607.3.7 virtual void activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller** (p. 2390).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**PartialCommandMarshaller.h**

6.608 activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3019).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/PartialCommandM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller:

Public Member Functions

- **PartialCommandMarshaller** ()
- virtual ∼**PartialCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.608.1 Detailed Description

Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3019).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.608.2 Constructor & Destructor Documentation

6.608.2.1 activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller::PartialCommandMarshaller ( ) [inline]

6.608.2.2 virtual activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller::∼PartialCommandMarshaller ( ) [inline, virtual]

6.608.3 Member Function Documentation

6.608.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller** (p. 2379).

6.608.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller** (p. 2379).

6.608.3.3 virtual void activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller** (p. 2380).

6.608.3.4 virtual void activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller** (p. 2380).

6.608.3.5 virtual int activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller** (p. 2381).

6.608.3.6 virtual void activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller** (p. 2381).

6.608.3.7 virtual void activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller** (p. 2382).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**PartialCommandMarshaller.h**

6.609 activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3023).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/PartialCommandM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller:

Public Member Functions

- **PartialCommandMarshaller** ()
- virtual ~**PartialCommandMarshaller** ()

- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.609.1 Detailed Description

Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3023).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.609.2 Constructor & Destructor Documentation

6.609.2.1 activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller::PartialCommandMarshaller ( ) [inline]

6.609.2.2 virtual activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller::~PartialCommandMarshaller ( ) [inline, virtual]

6.609.3 Member Function Documentation

6.609.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2392).

6.609.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2392).

6.609.3.3 virtual void activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2393).

6.609.3.4 virtual void activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2393).

6.609.3.5 virtual int activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2393).

6.609.3.6 virtual void activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2394).

6.609.3.7 virtual void activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller** (p. 2394).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**PartialCommandMarshaller.h**

6.610 activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3028).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/PartialCommandMarshaller
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller:

Public Member Functions

- **PartialCommandMarshaller** ()
- virtual ∼**PartialCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.610.1 Detailed Description

Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3028).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.610.2 Constructor & Destructor Documentation

6.610.2.1 activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller::PartialCommandMarshaller ( ) [inline]

6.610.2.2 virtual activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller::∼PartialCommandMarshaller ( ) [inline, virtual]

6.610.3 Member Function Documentation

6.610.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2396).

6.610.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2397).

6.610.3.3 virtual void activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2397).

6.610.3.4 virtual void activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2397).

6.610.3.5 virtual int activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2398).

6.610.3.6 virtual void activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2398).

6.610.3.7 virtual void activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller** (p. 2399).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**PartialCommandMarshaller.h**

6.611 decaf::lang::Pointer< T, REFCOUNTER > Class Template Reference

Decaf's implementation of a Smart **Pointer** (p. 3032) that is a template on a Type and is **Thread** (p. 3876) Safe if the default Reference Counter is used.

```
#include <src/main/decaf/lang/Pointer.h>
```

Public Types

- typedef T * **PointerType**
- typedef T & **ReferenceType**
- typedef REFCOUNTER **CounterType**

Public Member Functions

- **Pointer** ()

  Default Constructor.

- **Pointer** (const **PointerType** value)

  *Explicit Constructor, creates a **Pointer** (p. 3032) that contains value with a single reference.*

- **Pointer** (const **Pointer** &value) throw ()

  Copy constructor.

- template<typename T1 , typename R1 >
  Pointer (const **Pointer**< T1, R1 > &value) throw ()

  Copy constructor.

- template<typename T1 , typename R1 >
  Pointer (const **Pointer**< T1, R1 > &value, const **STATIC_CAST_TOKEN** &) throw ()

  Static Cast constructor.

- template<typename T1 , typename R1 >
  Pointer (const **Pointer**< T1, R1 > &value, const **DYNAMIC_CAST_TOKEN** &) throw (decaf::lang::exceptions::ClassCastException)

  Dynamic Cast constructor.

- virtual ~**Pointer** () throw ()
- void **reset** (T *value)

  *Resets the **Pointer** (p. 3032) to hold the new value.*

- T * **release** ()

  *Releases the **Pointer** (p. 3032) held and resets the internal pointer value to Null.*

- **PointerType get** () const

  *Gets the real pointer that is contained within this **Pointer** (p. 3032).*

- void **swap** (**Pointer** &value) throw ()

  ***Exception** (p. 1886) Safe Swap Function.*

- **Pointer** & **operator=** (const **Pointer** &right) throw ()

  *Assigns the value of right to this **Pointer** (p. 3032) and increments the reference Count.*

- template<typename T1 , typename R1 >
  Pointer & **operator=** (const **Pointer**< T1, R1 > &right) throw ()
- **ReferenceType operator*** ()

  Dereference Operator, returns a reference to the Contained value.

- **ReferenceType operator*** () const
- **PointerType operator->** ()

  Indirection Operator, returns a pointer to the Contained value.

- **PointerType operator->** () const
- bool **operator!** () const
- template<typename T1 , typename R1 >
  bool **operator==** (const **Pointer**< T1, R1 > &right) const
- template<typename T1 , typename R1 >
  bool **operator!=** (const **Pointer**< T1, R1 > &right) const
- template<typename T1 >
  Pointer< T1, **CounterType** > **dynamicCast** () const
- template<typename T1 >
  Pointer< T1, **CounterType** > **staticCast** () const

Friends

- bool **operator==** (const **Pointer** &left, const T *right)
- bool **operator==** (const T *left, const **Pointer** &right)
- bool **operator!=** (const **Pointer** &left, const T *right)
- bool **operator!=** (const T *left, const **Pointer** &right)

6.611.1 Detailed Description

template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter>
class decaf::lang::Pointer< T, REFCOUNTER >

Decaf's implementation of a Smart **Pointer** (p. 3032) that is a template on a Type and is **Thread** (p. 3876) Safe if the default Reference Counter is used. This **Pointer** (p. 3032) type allows for the substitution of different Reference Counter implementations which provide a means of using invasive reference counting if desired using a custom implementation of `ReferenceCounter`.

The Decaf smart pointer provide comparison operators for comparing **Pointer** (p. 3032) instances in the same manner as normal pointer, except that it does not provide an overload of operators (<, <=, >, >=). To allow use of a **Pointer** (p. 3032) in a STL container that requires it, **Pointer** (p. 3032) provides an implementation of std::less.

Since

1.0

6.611.2 Member Typedef Documentation

6.611.2.1 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> typedef REFCOUNTER decaf::lang::Pointer< T, REFCOUNTER >::CounterType

6.611.2.2 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> typedef T* decaf::lang::Pointer< T, REFCOUNTER >::PointerType

6.611.2.3 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> typedef T& decaf::lang::Pointer< T, REFCOUNTER >::ReferenceType

6.611.3 Constructor & Destructor Documentation

6.611.3.1 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> decaf::lang::Pointer< T, REFCOUNTER >::Pointer ( ) [inline]

Default Constructor.

Initialized the contained pointer to NULL, using the -> operator results in an exception unless reset to contain a real value.

Referenced by decaf::lang::Pointer< TransactionId >::reset().

6.611.3.2 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> decaf::lang::Pointer< T, REFCOUNTER >::Pointer (const PointerType *value*) [inline, explicit]

Explicit Constructor, creates a **Pointer** (p. 3032) that contains value with a single reference.

This object now has ownership until a call to release.

Parameters

value	- instance of the type we are containing here.

6.611.3.3 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> decaf::lang::Pointer< T, REFCOUNTER >::Pointer (const Pointer< T, REFCOUNTER > & *value*) throw () [inline]

Copy constructor.

Copies the value contained in the pointer to the new instance and increments the reference counter.

6.611.3.4 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> template<typename T1 , typename R1 > decaf::lang::Pointer< T, REFCOUNTER >::Pointer (const Pointer< T1, R1 > & *value*) throw () [inline]

Copy constructor.

Copies the value contained in the pointer to the new instance and increments the reference counter.

6.611.3.5 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> template<typename T1 , typename R1 > decaf::lang::Pointer< T, REFCOUNTER >::Pointer (const Pointer< T1, R1 > & *value,* const STATIC_CAST_TOKEN &) throw () [inline]

Static Cast constructor.

Copies the value contained in the pointer to the new instance and increments the reference counter performing a static cast on the value contained in the source **Pointer** (p. 3032) object.

Parameters

value	- **Pointer** (p. 3032) instance to cast to this type.

6.611.3.6 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> template<typename T1 , typename R1 > decaf::lang::Pointer< T, REFCOUNTER >::Pointer (const Pointer< T1, R1 > & *value,* const DYNAMIC_CAST_TOKEN &) throw (decaf::lang::exceptions::ClassCastException) [inline]

Dynamic Cast constructor.

Copies the value contained in the pointer to the new instance and increments the reference counter performing a dynamic cast on the value contained in the source **Pointer** (p. 3032) object. If the cast fails and return NULL then this method throws a ClassCastException.

Parameters

value	- **Pointer** (p. 3032) instance to cast to this type.

Exceptions

ClassCastException	if the dynamic cast returns NULL

6.611.3.7 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> virtual decaf::lang::Pointer< T, REFCOUNTER >::~Pointer ( ) throw () [inline, virtual]

6.611.4 Member Function Documentation

6.611.4.1 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> template<typename T1 > Pointer<T1, CounterType> decaf::lang::Pointer< T, REFCOUNTER >::dynamicCast ( ) const [inline]

6.611.4.2 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> PointerType decaf::lang::Pointer< T, REFCOUNTER >::get ( ) const [inline]

Gets the real pointer that is contained within this **Pointer** (p. 3032).

This is not really safe since the caller could delete or alter the pointer but it mimics the STL auto_ptr and gives access in cases where the caller absolutely needs the real **Pointer** (p. 3032). Use at your own risk.

Returns

the contained pointer.

Referenced by activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::equals(), activemq::state::ConnectionState::getTransactionState(), decaf::lang::operator!=(), decaf::lang::Pointer< TransactionId >::operator!=(), std::less< decaf::lang::Pointer< T > >::operator()(), decaf::lang::operator==(), decaf::lang::Pointer< TransactionId >::operator==(), and activemq::state::ConnectionState::removeTempDestination().

6.611.4.3 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> bool decaf::lang::Pointer< T, REFCOUNTER >::operator! ( ) const [inline]

6.611.4.4 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> template<typename T1 , typename R1 > bool decaf::lang::Pointer< T, REFCOUNTER >::operator!= (const Pointer< T1, R1 > & *right*) const [inline]

6.611.4.5 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> ReferenceType decaf::lang::Pointer< T, REFCOUNTER >::operator* ( ) const [inline]

6.611.4.6 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> ReferenceType decaf::lang::Pointer< T, REFCOUNTER >::operator* ( ) [inline]

Dereference Operator, returns a reference to the Contained value.

This method throws an NullPointerException if the contained value is NULL.

Returns

reference to the contained pointer.

Exceptions

NullPointerException	if the contained value is Null

6.611.4.7 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> PointerType decaf::lang::Pointer< T, REFCOUNTER >::operator-> ( ) [inline]

Indirection Operator, returns a pointer to the Contained value.

This method throws an NullPointerException if the contained value is NULL.

Returns

reference to the contained pointer.

Exceptions

NullPointerException	if the contained value is Null

6.611.4.8 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> PointerType decaf::lang::Pointer< T, REFCOUNTER >::operator-> ( ) const [inline]

6.611.4.9 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> Pointer& decaf::lang::Pointer< T, REFCOUNTER >::operator= (const Pointer< T, REFCOUNTER > & *right*) throw () [inline]

Assigns the value of right to this **Pointer** (p. 3032) and increments the reference Count.

Parameters

right	- **Pointer** (p. 3032) on the right hand side of an operator= call to this.

6.611.4.10 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> template<typename T1 , typename R1 > Pointer& decaf::lang::Pointer< T, REFCOUNTER >::operator= (const Pointer< T1, R1 > & *right*) throw () [inline]

6.611.4.11 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> template<typename T1 , typename R1 > bool decaf::lang::Pointer< T, REFCOUNTER >::operator== (const Pointer< T1, R1 > & *right*) const [inline]

6.611.4.12 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> T* decaf::lang::Pointer< T, REFCOUNTER >::release ( ) [inline]

Releases the **Pointer** (p. 3032) held and resets the internal pointer value to Null.

This method is not guaranteed to be safe if the **Pointer** (p. 3032) is held by more than one object or this method is called from more than one thread.

Parameters

value	- The new value to contain.

Returns

The pointer instance that was held by this **Pointer** (p. 3032) object, the pointer is no longer owned by this **Pointer** (p. 3032) and won't be freed when this **Pointer** (p. 3032) goes out of scope.

Referenced by decaf::lang::Pointer< TransactionId >::Pointer().

6.611.4.13 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> void decaf::lang::Pointer< T, REFCOUNTER >::reset (T * *value*) [inline]

Resets the **Pointer** (p. 3032) to hold the new value.

Before the new value is stored reset checks if the old value should be destroyed and if so calls delete. Call reset with a value of NULL is supported and acts to set this **Pointer** (p. 3032) to a NULL pointer.

Parameters

value	- The new value to contain.

6.611.4.14 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> template<typename T1 > Pointer<T1, CounterType> decaf::lang::Pointer< T, REFCOUNTER >::staticCast ( ) const [inline]

6.611.4.15 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> void decaf::lang::Pointer< T, REFCOUNTER >::swap (Pointer< T, REFCOUNTER > & *value*) throw () [inline]

Exception (p. 1886) Safe Swap Function.

Parameters

value	- the value to swap with this.

Referenced by decaf::lang::Pointer< TransactionId >::operator=(), and decaf::lang::Pointer< TransactionId >::swap().

6.611.5 Friends And Related Function Documentation

6.611.5.1 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> bool operator!= (const Pointer< T, REFCOUNTER > & *left,* const T * *right*) [friend]

6.611.5.2 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> bool operator!= (const T * *left,* const Pointer< T, REFCOUNTER > & *right*) [friend]

6.611.5.3 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> bool operator== (const Pointer< T, REFCOUNTER > & *left,* const T * *right*) [friend]

6.611.5.4 template<typename T, typename REFCOUNTER = decaf::util::concurrent::atomic::AtomicRefCounter> bool operator== (const T * *left,* const Pointer< T, REFCOUNTER > & *right*) [friend]

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Pointer.h**

6.612 decaf::lang::PointerComparator< T, R > Class Template Reference

This implementation of Comparator is designed to allows objects in a Collection to be sorted or tested for equality based on the value of the Object being Pointed to and not the value of the contained pointer in the **Pointer** (p. 3032) instance.

```
#include <src/main/decaf/lang/Pointer.h>
```

Inheritance diagram for decaf::lang::PointerComparator< T, R >:

Public Member Functions

- virtual bool **operator()** (const **Pointer**< T, R > &left, const **Pointer**< T, R > &right) const
- virtual int **compare** (const **Pointer**< T, R > &left, const **Pointer**< T, R > &right) const

6.612.1 Detailed Description

template<typename T, typename R = decaf::util::concurrent::atomic::AtomicRefCounter> class decaf::lang::PointerComparator< T, R >

This implementation of Comparator is designed to allows objects in a Collection to be sorted or tested for equality based on the value of the Object being Pointed to and not the value of the contained pointer in the **Pointer** (p. 3032) instance. This can be useful in the case where a series of values in a Collection is more efficiently accessed in the Objects Natural Order and not the underlying pointers location in memory.

Also this allows **Pointer** (p. 3032) objects that Point to different instances of the same type to be compared based on the comparison of the object itself and not just the value of the pointer.

6.612.2 Member Function Documentation

6.612.2.1 template<typename T , typename R = decaf::util::concurrent::atomic::AtomicRefCounter> virtual int decaf::lang::PointerComparator< T, R >::compare (const Pointer< T, R > & *left,* const Pointer< T, R > & *right*) const [inline, virtual]

6.612.2.2 template<typename T , typename R = decaf::util::concurrent::atomic::AtomicRefCounter> virtual bool decaf::lang::PointerComparator< T, R >::operator() (const Pointer< T, R > & *left,* const Pointer< T, R > & *right*) const [inline, virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Pointer.h**

6.613 activemq::cmsutil::PooledSession Class Reference

A pooled session object that wraps around a delegate session.

```
#include <src/main/activemq/cmsutil/PooledSession.h>
```

Inheritance diagram for activemq::cmsutil::PooledSession:

Public Member Functions

- **PooledSession** (**SessionPool** ∗pool, **cms::Session** ∗session)
- virtual ∼**PooledSession** ()

  Does nothing.

- virtual **cms::Session** ∗ **getSession** ()

  Returns a non-constant reference to the internal session object.

- virtual const **cms::Session** ∗ **getSession** () const

  Returns a constant reference to the internal session object.

- virtual void **close** () throw (cms::CMSException)

  Returns this session back to the pool, but does not close or destroy the internal session object.

- virtual void **commit** () throw (cms::CMSException)

  Commits all messages done in this transaction and releases any locks currently held.

- virtual void **rollback** () throw (cms::CMSException)

  Rolls back all messages done in this transaction and releases any locks currently held.

- virtual void **recover** () throw (cms::CMSException)

  Stops message delivery in this session, and restarts message delivery with the oldest unacknowledged message.

- virtual **cms::MessageConsumer** ∗ **createConsumer** (const **cms::Destination** ∗destination) throw (cms::CMSException)

  Creates a MessageConsumer for the specified destination.

- virtual **cms::MessageConsumer** ∗ **createConsumer** (const **cms::Destination** ∗destination, const std::string &selector) throw (cms::CMSException)

  Creates a MessageConsumer for the specified destination, using a message selector.

- virtual **cms::MessageConsumer** ∗ **createConsumer** (const **cms::Destination** ∗destination, const std::string &selector, bool noLocal) throw (cms::CMSException)

  Creates a MessageConsumer for the specified destination, using a message selector.

- virtual **cms::MessageConsumer** ∗ **createDurableConsumer** (const **cms::Topic** ∗destination, const std::string &name, const std::string &selector, bool noLocal=false) throw (cms::CMSException)

Creates a durable subscriber to the specified topic, using a Message selector.

- virtual **cms::MessageConsumer** ∗ **createCachedConsumer** (const **cms::Destination** ∗destination, const std::string &selector, bool noLocal) throw (cms::CMSException)

  First checks the internal consumer cache and creates on if none exist for the given destination, selector, noLocal.

- virtual **cms::MessageProducer** ∗ **createProducer** (const **cms::Destination** ∗destination) throw (cms::CMSException)

  Creates a MessageProducer to send messages to the specified destination.

- virtual **cms::MessageProducer** ∗ **createCachedProducer** (const **cms::Destination** ∗destination) throw (cms::CMSException)

  First checks the internal producer cache and creates one if none exist for the given destination.

- virtual **cms::QueueBrowser** ∗ **createBrowser** (const **cms::Queue** ∗queue) throw (cms::CMSException)

  Creates a new QueueBrowser to peek at Messages on the given Queue.

- virtual **cms::QueueBrowser** ∗ **createBrowser** (const **cms::Queue** ∗queue, const std::string &selector) throw (cms::CMSException)

  Creates a new QueueBrowser to peek at Messages on the given Queue.

- virtual **cms::Queue** ∗ **createQueue** (const std::string &queueName) throw (cms::CMSException)

  Creates a queue identity given a Queue name.

- virtual **cms::Topic** ∗ **createTopic** (const std::string &topicName) throw (cms::CMSException)

  Creates a topic identity given a Queue name.

- virtual **cms::TemporaryQueue** ∗ **createTemporaryQueue** () throw (cms::CMSException)

  Creates a TemporaryQueue object.

- virtual **cms::TemporaryTopic** ∗ **createTemporaryTopic** () throw (cms::CMSException)

  Creates a TemporaryTopic object.

- virtual **cms::Message** ∗ **createMessage** () throw (cms::CMSException)

  Creates a new Message.

- virtual **cms::BytesMessage** ∗ **createBytesMessage** () throw (cms::CMSException)

  Creates a BytesMessage.

- virtual **cms::BytesMessage** ∗ **createBytesMessage** (const unsigned char ∗bytes, int bytesSize) throw (cms::CMSException)

  Creates a BytesMessage and sets the payload to the passed value.

- virtual **cms::StreamMessage** ∗ **createStreamMessage** () throw (cms::CMSException)

  Creates a new StreamMessage.

- virtual **cms::TextMessage** ∗ **createTextMessage** () throw (cms::CMSException)

  Creates a new TextMessage.

- virtual **cms::TextMessage** ∗ **createTextMessage** (const std::string &text) throw (cms::CMSException)

  Creates a new TextMessage and set the text to the value given.

- virtual **cms::MapMessage** ∗ **createMapMessage** () throw (cms::CMSException)

  Creates a new MapMessage.

- virtual **cms::Session::AcknowledgeMode getAcknowledgeMode** () const throw (cms::CMSException)

  Returns the acknowledgment mode of the session.

- virtual bool **isTransacted** () const throw (cms::CMSException)

  Gets if the Sessions is a Transacted Session.

- virtual void **unsubscribe** (const std::string &name) throw (cms::CMSException)

  Unsubscribes a durable subscription that has been created by a client.

Protected Member Functions

- **PooledSession** (const **PooledSession** &)
- **PooledSession** & **operator=** (const **PooledSession** &)

6.613.1 Detailed Description

A pooled session object that wraps around a delegate session. Calls to close this session only result in giving the session back to the pool.

6.613.2 Constructor & Destructor Documentation

6.613.2.1 activemq::cmsutil::PooledSession::PooledSession (const PooledSession &) [inline, protected]

6.613.2.2 activemq::cmsutil::PooledSession::PooledSession (SessionPool * *pool,* cms::Session * *session*)

6.613.2.3 virtual activemq::cmsutil::PooledSession::~PooledSession ( ) [virtual]

Does nothing.

6.613.3 Member Function Documentation

6.613.3.1 virtual void activemq::cmsutil::PooledSession::close ( ) throw (cms::CMSException) [virtual]

Returns this session back to the pool, but does not close or destroy the internal session object.

Implements **cms::Session** (p. 3464).

6.613.3.2 virtual void activemq::cmsutil::PooledSession::commit ( ) throw (cms::CMSException) [inline, virtual]

Commits all messages done in this transaction and releases any locks currently held.

Exceptions

CMSException	- If an internal error occurs.
IllegalStateException	- if the method is not called by a transacted session.

Implements **cms::Session** (p. 3465).

References cms::Session::commit().

6.613.3.3 virtual cms::QueueBrowser* activemq::cmsutil::PooledSession::createBrowser (const cms::Queue * *queue,* const std::string & *selector*) throw (cms::CMSException) [virtual]

Creates a new QueueBrowser to peek at Messages on the given Queue.

Parameters

queue	the Queue to browse
selector	the Message selector to filter which messages are browsed.

Returns

New QueueBrowser that is owned by the caller.

Exceptions

CMSException	- If an internal error occurs.
InvalidDestinationException	- if the destination given is invalid.

Implements **cms::Session** (p. 3466).

6.613.3.4 virtual cms::QueueBrowser* activemq::cmsutil::PooledSession::createBrowser (const cms::Queue * *queue*) throw (cms::CMSException) [virtual]

Creates a new QueueBrowser to peek at Messages on the given Queue.

Parameters

queue	the Queue to browse

Returns

New QueueBrowser that is owned by the caller.

Exceptions

CMSException	- If an internal error occurs.
InvalidDestinationException	- if the destination given is invalid.

Implements **cms::Session** (p. 3465).

6.613.3.5 virtual cms::BytesMessage* activemq::cmsutil::PooledSession::createBytesMessage ( ) throw (cms::CMSException) [inline, virtual]

Creates a BytesMessage.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3466).

6.613.3.6 virtual cms::BytesMessage* activemq::cmsutil::PooledSession::createBytesMessage (const unsigned char * *bytes*, int *bytesSize*) throw (cms::CMSException) [inline, virtual]

Creates a BytesMessage and sets the payload to the passed value.

Parameters

bytes	an array of bytes to set in the message
bytesSize	the size of the bytes array, or number of bytes to use

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3466).

6.613.3.7 virtual cms::MessageConsumer* activemq::cmsutil::PooledSession::createCachedConsumer (const cms::Destination * *destination*, const std::string & *selector*, bool *noLocal*) throw (cms::CMSException) [virtual]

First checks the internal consumer cache and creates on if none exist for the given destination, selector, noLocal.

If created, the consumer is added to the pool's lifecycle manager.

Parameters

destination	the destination to receive on
selector	the selector to use
noLocal	whether or not to receive messages from the same connection

Returns

the consumer resource

Exceptions

cms::CMSException (p. *1190*)	if something goes wrong.

6.613.3.8 virtual cms::MessageProducer* activemq::cmsutil::PooledSession::createCachedProducer (const cms::Destination * *destination*) throw (cms::CMSException) [virtual]

First checks the internal producer cache and creates one if none exist for the given destination.

If created, the producer is added to the pool's lifecycle manager.

Parameters

destination	the destination to send on

Returns

the producer resource

Exceptions

cms::CMSException *(p. 1190)*	if something goes wrong.

6.613.3.9 virtual cms::MessageConsumer* activemq::cmsutil::PooledSession::createConsumer (const cms::Destination * *destination*) throw (cms::CMSException) [inline, virtual]

Creates a MessageConsumer for the specified destination.

Parameters

destination	the Destination that this consumer receiving messages for.

Returns

pointer to a new MessageConsumer that is owned by the caller (caller deletes)

Exceptions

CMSException	- If an internal error occurs.
InvalidDestinationException	- if an invalid destination is specified.

Implements **cms::Session** (p. 3467).

6.613.3.10 virtual cms::MessageConsumer* activemq::cmsutil::PooledSession::createConsumer (const cms::Destination * *destination*, const std::string & *selector*) throw (cms::CMSException) [inline, virtual]

Creates a MessageConsumer for the specified destination, using a message selector.

Parameters

destination	the Destination that this consumer receiving messages for.
selector	the Message Selector to use

Returns

pointer to a new MessageConsumer that is owned by the caller (caller deletes)

Exceptions

CMSException	- If an internal error occurs.
InvalidDestinationException	- if an invalid destination is specified.
InvalidSelectorException	- if the message selector is invalid.

Implements **cms::Session** (p. 3467).

6.613.3.11 virtual cms::MessageConsumer* activemq::cmsutil::PooledSession::createConsumer (const cms::Destination * *destination*, const std::string & *selector*, bool *noLocal*) throw (cms::CMSException) [inline, virtual]

Creates a MessageConsumer for the specified destination, using a message selector.

Parameters

destination	the Destination that this consumer receiving messages for.
selector	the Message Selector to use
noLocal	if true, and the destination is a topic, inhibits the delivery of messages published by its own connection. The behavior for NoLocal is not specified if the destination is a queue.

Returns

pointer to a new MessageConsumer that is owned by the caller (caller deletes)

Exceptions

CMSException	- If an internal error occurs.
InvalidDestinationException	- if an invalid destination is specified.
InvalidSelectorException	- if the message selector is invalid.

Implements **cms::Session** (p. 3468).

6.613.3.12 virtual cms::MessageConsumer* activemq::cmsutil::PooledSession::createDurableConsumer (const cms::Topic * *destination*, const std::string & *name*, const std::string & *selector*, bool *noLocal* = `false`) throw (cms::CMSException) [inline, virtual]

Creates a durable subscriber to the specified topic, using a Message selector.

Sessions that create durable consumers must use the same client Id as was used the last time the subscription was created in order to receive all messages that were delivered while the client was offline.

Parameters

destination	the topic to subscribe to
name	The name used to identify the subscription
selector	the Message Selector to use
noLocal	if true, and the destination is a topic, inhibits the delivery of messages published by its own connection. The behavior for NoLocal is not specified if the destination is a queue.

Returns

pointer to a new durable MessageConsumer that is owned by the caller (caller deletes)

Exceptions

CMSException	- If an internal error occurs.
InvalidDestinationException	- if an invalid destination is specified.
InvalidSelectorException	- if the message selector is invalid.

Implements **cms::Session** (p. 3469).

6.613.3.13 virtual cms::MapMessage* activemq::cmsutil::PooledSession::createMapMessage ( ) throw (cms::CMSException) [inline, virtual]

Creates a new MapMessage.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3469).

6.613.3.14 virtual cms::Message* activemq::cmsutil::PooledSession::createMessage ( ) throw (cms::CMSException) [inline, virtual]

Creates a new Message.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3470).

6.613.3.15 virtual cms::MessageProducer* activemq::cmsutil::PooledSession::createProducer (const cms::Destination * *destination*) throw (cms::CMSException) [inline, virtual]

Creates a MessageProducer to send messages to the specified destination.

Parameters

destination	the Destination to send on

Returns

New MessageProducer that is owned by the caller.

Exceptions

CMSException	- If an internal error occurs.
InvalidDestinationException	- if an invalid destination is specified.

Implements **cms::Session** (p. 3470).

6.613.3.16 virtual cms::Queue* activemq::cmsutil::PooledSession::createQueue (const std::string & *queueName*) throw (cms::CMSException) [inline, virtual]

Creates a queue identity given a Queue name.

Parameters

queueName	the name of the new Queue

Returns

new Queue pointer that is owned by the caller.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3470).

6.613.3.17 virtual cms::StreamMessage* activemq::cmsutil::PooledSession::createStreamMessage ( ) throw (cms::CMSException) [inline, virtual]

Creates a new StreamMessage.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3471).

6.613.3.18 virtual cms::TemporaryQueue* activemq::cmsutil::PooledSession::createTemporaryQueue ( ) throw (cms::CMSException) [inline, virtual]

Creates a TemporaryQueue object.

Returns

new TemporaryQueue pointer that is owned by the caller.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3471).

6.613.3.19 virtual cms::TemporaryTopic* activemq::cmsutil::PooledSession::createTemporaryTopic ( ) throw (cms::CMSException) [inline, virtual]

Creates a TemporaryTopic object.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3471).

6.613.3.20 virtual cms::TextMessage* activemq::cmsutil::PooledSession::createTextMessage (const std::string & *text*) throw (cms::CMSException) [inline, virtual]

Creates a new TextMessage and set the text to the value given.

Parameters

text	the initial text for the message

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3472).

6.613.3.21 virtual cms::TextMessage* activemq::cmsutil::PooledSession::createTextMessage ( ) throw (cms::CMSException) [inline, virtual]

Creates a new TextMessage.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3472).

6.613.3.22 virtual cms::Topic* activemq::cmsutil::PooledSession::createTopic (const std::string & *topicName*) throw (cms::CMSException) [inline, virtual]

Creates a topic identity given a Queue name.

Parameters

topicName	the name of the new Topic

Returns

new Topic pointer that is owned by the caller.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3472).

6.613.3.23 virtual cms::Session::AcknowledgeMode activemq::cmsutil::PooledSession::getAcknowledgeMode ( ) const throw (cms::CMSException) [inline, virtual]

Returns the acknowledgment mode of the session.

Returns

the Sessions Acknowledge Mode

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3473).

6.613.3.24 virtual cms::Session* activemq::cmsutil::PooledSession::getSession ( ) [inline, virtual]

Returns a non-constant reference to the internal session object.

Returns

the session object.

6.613.3.25 virtual const cms::Session* activemq::cmsutil::PooledSession::getSession ( ) const [inline, virtual]

Returns a constant reference to the internal session object.

Returns

the session object.

6.613.3.26 virtual bool activemq::cmsutil::PooledSession::isTransacted ( ) const throw (cms::CMSException) [inline, virtual]

Gets if the Sessions is a Transacted Session.

Returns

transacted true - false.

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3473).

6.613.3.27 PooledSession& activemq::cmsutil::PooledSession::operator= (const PooledSession &) [inline, protected]

6.613.3.28 virtual void activemq::cmsutil::PooledSession::recover ( ) throw (cms::CMSException) [inline, virtual]

Stops message delivery in this session, and restarts message delivery with the oldest unacknowledged message.

All consumers deliver messages in a serial order. Acknowledging a received message automatically acknowledges all messages that have been delivered to the client.

Restarting a session causes it to take the following actions:

- Stop message delivery
- Mark all messages that might have been delivered but not acknowledged as "re-delivered"
- Restart the delivery sequence including all unacknowledged messages that had been previously delivered. Redelivered messages do not have to be delivered in exactly their original delivery order.

Exceptions

CMSException	- if the CMS provider fails to stop and restart message delivery due to some internal error.
IllegalStateException	- if the method is called by a transacted session.

Implements **cms::Session** (p. 3474).

6.613.3.29 virtual void activemq::cmsutil::PooledSession::rollback ( ) throw (cms::CMSException) [inline, virtual]

Rolls back all messages done in this transaction and releases any locks currently held.

Exceptions

CMSException	- If an internal error occurs.
IllegalStateException	- if the method is not called by a transacted session.

Implements **cms::Session** (p. 3474).

6.613.3.30 virtual void activemq::cmsutil::PooledSession::unsubscribe (const std::string & *name*) throw (cms::CMSException) [inline, virtual]

Unsubscribes a durable subscription that has been created by a client.

This method deletes the state being maintained on behalf of the subscriber by its provider. It is erroneous for a client to delete a durable subscription while there is an active MessageConsumer or Subscriber for the subscription, or while a consumed message is part of a pending transaction or has not been acknowledged in the session.

Parameters

name	The name used to identify this subscription

Exceptions

CMSException	- If an internal error occurs.

Implements **cms::Session** (p. 3475).

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**PooledSession.h**

6.614 decaf::util::concurrent::PooledThread Class Reference

`#include <src/main/decaf/util/concurrent/PooledThread.h>`

Inheritance diagram for decaf::util::concurrent::PooledThread:

Public Member Functions

- **PooledThread** (**ThreadPool** ∗pool)

  Constructor.

- virtual ∼**PooledThread** ()
- virtual void **run** ()

  *Run Method for this object waits for something to be enqueued on the **ThreadPool** (p. 3888) and then grabs it and calls its run method.*

- virtual void **stop** () throw (lang::Exception)

  Stops the Thread, thread will complete its task if currently running one, and then die.

- virtual bool **isBusy** ()

  Checks to see if the thread is busy, if busy it means that this thread has taken a task from the ThreadPool's queue and is processing it.

- virtual void **setPooledThreadListener** (**PooledThreadListener** ∗listener)

  *Adds a listener to this **PooledThread** (p. 3056) to be notified when this thread starts and completes a task.*

- virtual **PooledThreadListener** ∗ **getPooledThreadListener** ()

  *Removes a listener for this **PooledThread** (p. 3056) to be notified when this thread starts and completes a task.*

6.614.1 Constructor & Destructor Documentation

6.614.1.1 decaf::util::concurrent::PooledThread::PooledThread (ThreadPool * *pool*)

Constructor.

Parameters

pool	the parant **ThreadPool** (p. 3888) object

6.614.1.2 virtual decaf::util::concurrent::PooledThread::~PooledThread ( ) [virtual]

6.614.2 Member Function Documentation

6.614.2.1 virtual PooledThreadListener* decaf::util::concurrent::PooledThread::getPooledThreadListener ( ) [inline, virtual]

Removes a listener for this **PooledThread** (p. 3056) to be notified when this thread starts and completes a task.

Returns

a pointer to this thread's listener or NULL

6.614.2.2 virtual bool decaf::util::concurrent::PooledThread::isBusy ( ) [inline, virtual]

Checks to see if the thread is busy, if busy it means that this thread has taken a task from the ThreadPool's queue and is processing it.

Returns

true if the Thread is busy

6.614.2.3 virtual void decaf::util::concurrent::PooledThread::run ( ) [virtual]

Run Method for this object waits for something to be enqueued on the **ThreadPool** (p. 3888) and then grabs it and calls its run method.

Reimplemented from **decaf::lang::Thread** (p. 3884).

6.614.2.4 virtual void decaf::util::concurrent::PooledThread::setPooledThreadListener (PooledThreadListener * *listener*) [inline, virtual]

Adds a listener to this **PooledThread** (p. 3056) to be notified when this thread starts and completes a task.

Parameters

listener	the listener to send notifications to.

6.614.2.5 virtual void decaf::util::concurrent::PooledThread::stop ( ) throw (lang::Exception) [virtual]

Stops the Thread, thread will complete its task if currently running one, and then die.

Does not block.

Exceptions

Exception	

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**PooledThread.h**

6.615 decaf::util::concurrent::PooledThreadListener Class Reference

Abstract Listener Interface for users of **ThreadPool** (p. 3888).

`#include <src/main/decaf/util/concurrent/PooledThreadListener.h>`

Inheritance diagram for decaf::util::concurrent::PooledThreadListener:

Public Member Functions

- virtual ~**PooledThreadListener** ()
- virtual void **onTaskStarted** (**PooledThread** *thread)=0

  Called by a pooled thread when it is about to begin executing a new task.

- virtual void **onTaskCompleted** (**PooledThread** *thread)=0

  Called by a pooled thread when it has completed a task and is going back to waiting for another task to run.

- virtual void **onTaskException** (**PooledThread** *thread, **lang::Exception** &ex)=0

  *Called by a pooled thread when it has encountered an exception while running a user task, after receiving this notification the callee should assume that the **PooledThread** (p. 3056) is now no longer running.*

6.615.1 Detailed Description

Abstract Listener Interface for users of **ThreadPool** (p. 3888). The implementor of this class receives events related to the execution and termination of threads running in the **ThreadPool** (p. 3888).

Since

1.0

6.615.2 Constructor & Destructor Documentation

6.615.2.1 virtual decaf::util::concurrent::PooledThreadListener::~PooledThreadListener ( ) [inline, virtual]

6.615.3 Member Function Documentation

6.615.3.1 virtual void decaf::util::concurrent::PooledThreadListener::onTaskCompleted (**PooledThread** * *thread*) [pure virtual]

Called by a pooled thread when it has completed a task and is going back to waiting for another task to run.

Parameters

thread	- Pointer the the Pooled Thread that is making this call.

Implemented in **decaf::util::concurrent::ThreadPool** (p. 3892).

6.615.3.2 virtual void decaf::util::concurrent::PooledThreadListener::onTaskException (**PooledThread** * *thread,* **lang::Exception** & *ex*) [pure virtual]

Called by a pooled thread when it has encountered an exception while running a user task, after receiving this notification the callee should assume that the **PooledThread** (p. 3056) is now no longer running.

Parameters

thread	- Pointer to the Pooled Thread that is making this call
ex	- The Exception that occurred.

Implemented in **decaf::util::concurrent::ThreadPool** (p. 3893).

6.615.3.3 virtual void decaf::util::concurrent::PooledThreadListener::onTaskStarted (**PooledThread** * *thread*) [pure virtual]

Called by a pooled thread when it is about to begin executing a new task.

Parameters

thread	- Pointer to the Pooled Thread that is making this call

Implemented in **decaf::util::concurrent::ThreadPool** (p. 3893).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**PooledThreadListener.h**

6.616 decaf::net::PortUnreachableException Class Reference

`#include <src/main/decaf/net/PortUnreachableException.h>`

Inheritance diagram for decaf::net::PortUnreachableException:

Public Member Functions

- **PortUnreachableException** () throw ()

  Default Constructor.

- **PortUnreachableException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **PortUnreachableException** (const **PortUnreachableException** &ex) throw ()

  Copy Constructor.

- **PortUnreachableException** (const char *file, const int lineNumber, const std::exception *__cause__, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **PortUnreachableException** (const std::exception *__cause__) throw ()

  Constructor.

- **PortUnreachableException** (const char *file, const int lineNumber, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **PortUnreachableException** * **clone** () const

  Clones this exception.

- virtual ~**PortUnreachableException** () throw ()

6.616.1 Constructor & Destructor Documentation

6.616.1.1 decaf::net::PortUnreachableException::PortUnreachableException ( ) throw () [inline]

Default Constructor.

6.616.1.2 decaf::net::PortUnreachableException::PortUnreachableException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.616.1.3 decaf::net::PortUnreachableException::PortUnreachableException (const PortUnreachableException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.616.1.4 decaf::net::PortUnreachableException::PortUnreachableException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.616.1.5 decaf::net::PortUnreachableException::PortUnreachableException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.616.1.6 decaf::net::PortUnreachableException::PortUnreachableException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.616.1.7 virtual decaf::net::PortUnreachableException::~PortUnreachableException ( ) throw () [inline, virtual]

6.616.2 Member Function Documentation

6.616.2.1 virtual PortUnreachableException* decaf::net::PortUnreachableException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new Exception instance that is a copy of this Exception object.

Reimplemented from **decaf::net::SocketException** (p. 3629).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**PortUnreachableException.h**

6.617 activemq::core::PrefetchPolicy Class Reference

Interface for a Policy object that controls message Prefetching on various destination types in ActiveMQ-CPP.

```
#include <src/main/activemq/core/PrefetchPolicy.h>
```

Inheritance diagram for activemq::core::PrefetchPolicy:

Public Member Functions

- virtual ~**PrefetchPolicy** ()
- virtual void **setDurableTopicPrefetch** (int value)=0

  Sets the amount of prefetched messages for a Durable Topic.

- virtual int **getDurableTopicPrefetch** () const =0

  Gets the amount of messages to prefetch for a Durable Topic.

- virtual void **setQueuePrefetch** (int value)=0

  Sets the amount of prefetched messages for a Queue.

- virtual int **getQueuePrefetch** () const =0

  Gets the amount of messages to prefetch for a Queue.

- virtual void **setQueueBrowserPrefetch** (int value)=0

  Sets the amount of prefetched messages for a Queue Browser.

- virtual int **getQueueBrowserPrefetch** () const =0

  Gets the amount of messages to prefetch for a Queue Browser.

- virtual void **setTopicPrefetch** (int value)=0

  Sets the amount of prefetched messages for a Topic.

- virtual int **getTopicPrefetch** () const =0

  Gets the amount of messages to prefetch for a Topic.

- virtual int **getMaxPrefetchLimit** (int value) const =0

  Given a requested value for a new prefetch limit, compare it against some max prefetch value and return either the requested value or the maximum allowable value for prefetch.

- virtual **PrefetchPolicy** * **clone** () const =0

  Clone the Policy and return a new pointer to that clone.

- virtual void **configure** (const **decaf::util::Properties** &properties)

  Checks the supplied properties object for properties matching the configurable settings of this class.

Protected Member Functions

- **PrefetchPolicy** ()

6.617.1 Detailed Description

Interface for a Policy object that controls message Prefetching on various destination types in ActiveMQ-CPP.

Since

3.2.0

6.617.2 Constructor & Destructor Documentation

6.617.2.1 activemq::core::PrefetchPolicy::PrefetchPolicy ( ) [protected]

6.617.2.2 virtual activemq::core::PrefetchPolicy::~PrefetchPolicy ( ) [virtual]

6.617.3 Member Function Documentation

6.617.3.1 virtual PrefetchPolicy* activemq::core::PrefetchPolicy::clone ( ) const [pure virtual]

Clone the Policy and return a new pointer to that clone.

Returns

pointer to a new **PrefetchPolicy** (p. 3062) instance that is a clone of this one.

Implemented in **activemq::core::policies::DefaultPrefetchPolicy** (p. 1727).

6.617.3.2 virtual void activemq::core::PrefetchPolicy::configure (const decaf::util::Properties & *properties*) [virtual]

Checks the supplied properties object for properties matching the configurable settings of this class.

The default implementation looks for properties named with the prefix cms.PrefetchPolicy.XXX where XXX is the name of a property with a public setter method. For instance cms.PrefetchPolicy.topicPrefetch will be used to set the value of the topic prefetch limit.

Subclasses can override this method to add more configuration options or to exclude certain parameters from being set via the properties object.

Parameters

properties	The Properties object used to configure this object.

Exceptions

NumberFormatException	if a property that is numeric cannot be converted

IllegalArgumentException	if a property can't be converted to the correct type.

6.617.3.3 virtual int activemq::core::PrefetchPolicy::getDurableTopicPrefetch ( ) const [pure virtual]

Gets the amount of messages to prefetch for a Durable Topic.

Returns

value of the number of messages to prefetch.

Implemented in **activemq::core::policies::DefaultPrefetchPolicy** (p. 1728).

6.617.3.4 virtual int activemq::core::PrefetchPolicy::getMaxPrefetchLimit (int *value*) const [pure virtual]

Given a requested value for a new prefetch limit, compare it against some max prefetch value and return either the requested value or the maximum allowable value for prefetch.

Returns

the allowable value for a prefetch limit, either requested or the max.

Implemented in **activemq::core::policies::DefaultPrefetchPolicy** (p. 1728).

6.617.3.5 virtual int activemq::core::PrefetchPolicy::getQueueBrowserPrefetch ( ) const [pure virtual]

Gets the amount of messages to prefetch for a Queue Browser.

Returns

value of the number of messages to prefetch.

Implemented in **activemq::core::policies::DefaultPrefetchPolicy** (p. 1728).

6.617.3.6 virtual int activemq::core::PrefetchPolicy::getQueuePrefetch ( ) const [pure virtual]

Gets the amount of messages to prefetch for a Queue.

Returns

value of the number of messages to prefetch.

Implemented in **activemq::core::policies::DefaultPrefetchPolicy** (p. 1728).

6.617.3.7 virtual int activemq::core::PrefetchPolicy::getTopicPrefetch ( ) const [pure virtual]

Gets the amount of messages to prefetch for a Topic.

Returns

value of the number of messages to prefetch.

Implemented in **activemq::core::policies::DefaultPrefetchPolicy** (p. 1729).

6.617.3.8 virtual void activemq::core::PrefetchPolicy::setDurableTopicPrefetch (int *value*) [pure virtual]

Sets the amount of prefetched messages for a Durable Topic.

Parameters

value	The number of messages to prefetch.

Implemented in **activemq::core::policies::DefaultPrefetchPolicy** (p. 1729).

6.617.3.9 virtual void activemq::core::PrefetchPolicy::setQueueBrowserPrefetch (int *value*) [pure virtual]

Sets the amount of prefetched messages for a Queue Browser.

Parameters

value	The number of messages to prefetch.

Implemented in **activemq::core::policies::DefaultPrefetchPolicy** (p. 1729).

6.617.3.10 virtual void activemq::core::PrefetchPolicy::setQueuePrefetch (int *value*) [pure virtual]

Sets the amount of prefetched messages for a Queue.

Parameters

value	The number of messages to prefetch.

Implemented in **activemq::core::policies::DefaultPrefetchPolicy** (p. 1729).

6.617.3.11 virtual void activemq::core::PrefetchPolicy::setTopicPrefetch (int *value*) [pure virtual]

Sets the amount of prefetched messages for a Topic.

Parameters

value	The number of messages to prefetch.

Implemented in **activemq::core::policies::DefaultPrefetchPolicy** (p. 1730).

The documentation for this class was generated from the following file:

- src/main/activemq/core/**PrefetchPolicy.h**

6.618 activemq::util::PrimitiveList Class Reference

List of primitives.

`#include <src/main/activemq/util/PrimitiveList.h>`

Inheritance diagram for activemq::util::PrimitiveList:

Public Member Functions

- **PrimitiveList** ()

  Default Constructor, creates an Empty list.

- virtual ~**PrimitiveList** ()
- **PrimitiveList** (const **decaf::util::List**< **PrimitiveValueNode** > &src)

  Copy Constructor.

- **PrimitiveList** (const **PrimitiveList** &src)

  Copy Constructor.

- std::string **toString** () const

  Converts the contents into a formatted string that can be output in a Log File or other debugging tool.

- virtual bool **getBool** (std::size_t index) const throw (decaf::lang::exceptions::IndexOutOfBoundsExceptio decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Boolean value at the specified index.

- virtual void **setBool** (std::size_t index, bool value) throw (decaf::lang::exceptions::IndexOutOfBoundsExc)

Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

- virtual unsigned char **getByte** (std::size_t index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Byte value at the specified index.

- virtual void **setByte** (std::size_t index, unsigned char value) throw (decaf::lang::exceptions::IndexOutOfBoundsExcept)

  Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

- virtual char **getChar** (std::size_t index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Character value at the specified index.

- virtual void **setChar** (std::size_t index, char value) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

- virtual short **getShort** (std::size_t index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Short value at the specified index.

- virtual void **setShort** (std::size_t index, short value) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

- virtual int **getInt** (std::size_t index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Integer value at the specified index.

- virtual void **setInt** (std::size_t index, int value) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

- virtual long long **getLong** (std::size_t index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Long value at the specified index.

- virtual void **setLong** (std::size_t index, long long value) throw (decaf::lang::exceptions::IndexOutOfBound)

  Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

- virtual float **getFloat** (std::size_t index) const throw (decaf::lang::exceptions::IndexOutOfBoundsExceptio decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Float value at the specified index.

- virtual void **setFloat** (std::size_t index, float value) throw (decaf::lang::exceptions::IndexOutOfBoundsEx)

  Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

- virtual double **getDouble** (std::size_t index) const throw (decaf::lang::exceptions::IndexOutOfBoundsExc decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Double value at the specified index.

- virtual void **setDouble** (std::size_t index, double value) throw (decaf::lang::exceptions::IndexOutOfBound)

  Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

- virtual std::string **getString** (std::size_t index) const throw (decaf::lang::exceptions::IndexOutOfBoundsE decaf::lang::exceptions::UnsupportedOperationException)

  Gets the String value at the specified index.

- virtual void **setString** (std::size_t index, const std::string &value) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

- virtual std::vector< unsigned char > **getByteArray** (std::size_t index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOper)

  Gets the Byte Array value at the specified index.

- virtual void **setByteArray** (std::size_t index, const std::vector< unsigned char > &value) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

6.618.1 Detailed Description

List of primitives.

6.618.2 Constructor & Destructor Documentation

6.618.2.1 activemq::util::PrimitiveList::PrimitiveList ( )

Default Constructor, creates an Empty list.

6.618.2.2 virtual activemq::util::PrimitiveList::~PrimitiveList ( ) [virtual]

6.618.2.3 activemq::util::PrimitiveList::PrimitiveList (const decaf::util::List< PrimitiveValueNode > & *src*)

Copy Constructor.

Parameters

src	- the Decaf List of PrimtiveNodeValues to copy

6.618.2.4 activemq::util::PrimitiveList::PrimitiveList (const PrimitiveList & *src*)

Copy Constructor.

Parameters

src	- the **PrimitiveList** (p. 3067) to copy

6.618.3 Member Function Documentation

6.618.3.1 virtual bool activemq::util::PrimitiveList::getBool (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Boolean value at the specified index.

Parameters

index	- index to get value from

Returns

value contained at the given index

Exceptions

IndexOutOfBoundsException	if index is > **size()** (p. 3708)
UnsupportedOperationException	if the type at index is not of the type that this method is to return or can convert to.

6.618.3.2 virtual unsigned char activemq::util::PrimitiveList::getByte (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Byte value at the specified index.

Parameters

index	- index to get value from

Returns

value contained at the given index

Exceptions

IndexOutOfBoundsException	if index is > **size()** (p. 3708)
UnsupportedOperationException	if the type at index is not of the type that this method is to return or can convert to.

6.618.3.3 virtual std::vector<unsigned char> activemq::util::PrimitiveList::getByteArray (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Byte Array value at the specified index.

Parameters

index	- index to get value from

Returns

value contained at the given index

Exceptions

IndexOutOfBoundsException	if index is > **size()** (p. 3708)

UnsupportedOperationException	if the type at index is not of the type that this method is to return or can convert to.

6.618.3.4 virtual char activemq::util::PrimitiveList::getChar (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Character value at the specified index.

Parameters

index	- index to get value from

Returns

value contained at the given index

Exceptions

IndexOutOfBoundsException	if index is > **size()** (p. 3708)
UnsupportedOperationException	if the type at index is not of the type that this method is to return or can convert to.

6.618.3.5 virtual double activemq::util::PrimitiveList::getDouble (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Double value at the specified index.

Parameters

index	- index to get value from

Returns

value contained at the given index

Exceptions

IndexOutOfBoundsException	if index is > **size()** (p. 3708)
UnsupportedOperationException	if the type at index is not of the type that this method is to return or can convert to.

6.618.3.6 virtual float activemq::util::PrimitiveList::getFloat (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Float value at the specified index.

Parameters

index	- index to get value from

Returns

value contained at the given index

Exceptions

IndexOutOfBoundsException	if index is > **size()** (p. 3708)
UnsupportedOperationException	if the type at index is not of the type that this method is to return or can convert to.

6.618.3.7 virtual int activemq::util::PrimitiveList::getInt (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Integer value at the specified index.

Parameters

index	- index to get value from

Returns

value contained at the given index

Exceptions

IndexOutOfBoundsException	if index is > **size()** (p. 3708)
UnsupportedOperationException	if the type at index is not of the type that this method is to return or can convert to.

6.618.3.8 virtual long long activemq::util::PrimitiveList::getLong (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Long value at the specified index.

Parameters

index	- index to get value from

Returns

value contained at the given index

Exceptions

IndexOutOfBoundsException	if index is > **size()** (p. 3708)
UnsupportedOperationException	if the type at index is not of the type that this method is to return or can convert to.

6.618.3.9 virtual short activemq::util::PrimitiveList::getShort (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Short value at the specified index.

Parameters

index	- index to get value from

Returns

value contained at the given index

Exceptions

IndexOutOfBoundsException	if index is > **size()** (p. 3708)
UnsupportedOperationException	if the type at index is not of the type that this method is to return or can convert to.

6.618.3.10 virtual std::string activemq::util::PrimitiveList::getString (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the String value at the specified index.

Parameters

index	- index to get value from

Returns

value contained at the given index

Exceptions

IndexOutOfBoundsException	if index is > **size()** (p. 3708)
UnsupportedOperationException	if the type at index is not of the type that this method is to return or can convert to.

6.618.3.11 virtual void activemq::util::PrimitiveList::setBool (std::size_t *index*, bool *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

Parameters

index	- location to set in the list
value	- the new value to assign to the element at index

Exceptions

IndexOutOfBoundsException	if index > **size()** (p. 3708).

6.618.3.12 virtual void activemq::util::PrimitiveList::setByte (std::size_t *index*, unsigned char *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

Parameters

index	- location to set in the list
value	- the new value to assign to the element at index

Exceptions

IndexOutOfBoundsException	if index > **size()** (p. 3708).

6.618.3.13 virtual void activemq::util::PrimitiveList::setByteArray (std::size_t *index,* const std::vector< unsigned char > & *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

Parameters

index	- location to set in the list
value	- the new value to assign to the element at index

Exceptions

IndexOutOfBoundsException	if index > **size()** (p. 3708).

6.618.3.14 virtual void activemq::util::PrimitiveList::setChar (std::size_t *index,* char *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

Parameters

index	- location to set in the list
value	- the new value to assign to the element at index

Exceptions

IndexOutOfBoundsException	if index > **size()** (p. 3708).

6.618.3.15 virtual void activemq::util::PrimitiveList::setDouble (std::size_t *index*, double *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

Parameters

index	- location to set in the list
value	- the new value to assign to the element at index

Exceptions

IndexOutOfBoundsException	if index > **size()** (p. 3708).

6.618.3.16 virtual void activemq::util::PrimitiveList::setFloat (std::size_t *index*, float *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

Parameters

index	- location to set in the list
value	- the new value to assign to the element at index

Exceptions

IndexOutOfBoundsException	if index > **size()** (p. 3708).

6.618.3.17 virtual void activemq::util::PrimitiveList::setInt (std::size_t *index*, int *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

Parameters

index	- location to set in the list
value	- the new value to assign to the element at index

Exceptions

IndexOutOfBoundsException	if index > **size()** (p. 3708).

6.618.3.18 virtual void activemq::util::PrimitiveList::setLong (std::size_t *index*, long long *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

Parameters

index	- location to set in the list
value	- the new value to assign to the element at index

Exceptions

IndexOutOfBoundsException	if index > **size()** (p. 3708).

6.618.3.19 virtual void activemq::util::PrimitiveList::setShort (std::size_t *index*, short *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the index is greater than the size of the list.

Parameters

index	- location to set in the list
value	- the new value to assign to the element at index

Exceptions

IndexOutOfBoundsException	if index > **size()** (p. 3708).

6.618.3.20 virtual void activemq::util::PrimitiveList::setString (std::size_t *index*, const std::string & *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Sets the value at the given index to the new value specified, this method overwrites any data that was previously at the index given, but does not insert a new element if the

index is greater than the size of the list.

Parameters

index	- location to set in the list
value	- the new value to assign to the element at index

Exceptions

IndexOutOfBoundsException	if index > **size()** (p. 3708).

6.618.3.21 std::string activemq::util::PrimitiveList::toString ( ) const

Converts the contents into a formatted string that can be output in a Log File or other debugging tool.

Returns

formatted String of all elements in the list.

The documentation for this class was generated from the following file:

- src/main/activemq/util/**PrimitiveList.h**

6.619 activemq::util::PrimitiveMap Class Reference

Map of named primitives.

`#include <src/main/activemq/util/PrimitiveMap.h>`

Inheritance diagram for activemq::util::PrimitiveMap:

Public Member Functions

- **PrimitiveMap** ()

  Default Constructor, creates an empty map.

- virtual ~**PrimitiveMap** ()
- **PrimitiveMap** (const **decaf::util::Map**< std::string, **PrimitiveValueNode** > &source)

  Copy Constructor.

- **PrimitiveMap** (const **PrimitiveMap** &source)

  Copy Constructor.

- std::string **toString** () const

  Converts the contents into a formatted string that can be output in a Log File or other debugging tool.

- virtual bool **getBool** (const std::string &key) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Boolean value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

- virtual void **setBool** (const std::string &key, bool value)

  Sets the value at key to the specified type.

- virtual unsigned char **getByte** (const std::string &key) const throw (decaf::lang::exceptions::NoSuchElementException decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Byte value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

- virtual void **setByte** (const std::string &key, unsigned char value)

  Sets the value at key to the specified type.

- virtual char **getChar** (const std::string &key) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Character value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

- virtual void **setChar** (const std::string &key, char value)

  Sets the value at key to the specified type.

- virtual short **getShort** (const std::string &key) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Short value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

- virtual void **setShort** (const std::string &key, short value)

  Sets the value at key to the specified type.

- virtual int **getInt** (const std::string &key) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Integer value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

- virtual void **setInt** (const std::string &key, int value)

  Sets the value at key to the specified type.

- virtual long long **getLong** (const std::string &key) const throw (decaf::lang::exceptions::NoSuchElementE decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Long value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

- virtual void **setLong** (const std::string &key, long long value)

  Sets the value at key to the specified type.

- virtual float **getFloat** (const std::string &key) const throw (decaf::lang::exceptions::NoSuchElementExcep decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Float value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

- virtual void **setFloat** (const std::string &key, float value)

  Sets the value at key to the specified type.

- virtual double **getDouble** (const std::string &key) const throw (decaf::lang::exceptions::NoSuchElementE decaf::lang::exceptions::UnsupportedOperationException)

  Gets the Double value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

- virtual void **setDouble** (const std::string &key, double value)

  Sets the value at key to the specified type.

- virtual std::string **getString** (const std::string &key) const throw (decaf::lang::exceptions::NoSuchElemen decaf::lang::exceptions::UnsupportedOperationException)

  Gets the String value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

- virtual void **setString** (const std::string &key, const std::string &value)

  Sets the value at key to the specified type.

- virtual std::vector< unsigned char > **getByteArray** (const std::string &key) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOp)

  Gets the Byte Array value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

- virtual void **setByteArray** (const std::string &key, const std::vector< unsigned char > &value)

  Sets the value at key to the specified type.

6.619.1 Detailed Description

Map of named primitives.

6.619.2 Constructor & Destructor Documentation

6.619.2.1 activemq::util::PrimitiveMap::PrimitiveMap ( )

Default Constructor, creates an empty map.

6.619.2.2 virtual activemq::util::PrimitiveMap::~PrimitiveMap ( ) [virtual]

6.619.2.3 activemq::util::PrimitiveMap::PrimitiveMap (const decaf::util::Map< std::string, PrimitiveValueNode > & *source*)

Copy Constructor.

Parameters

source	The Decaf Library Map instance whose elements will be copied into this Map.

6.619.2.4 activemq::util::PrimitiveMap::PrimitiveMap (const PrimitiveMap & *source*)

Copy Constructor.

Parameters

source	The **PrimitiveMap** (p. 3079) whose elements will be copied into this Map.

6.619.3 Member Function Documentation

6.619.3.1 virtual bool activemq::util::PrimitiveMap::getBool (const std::string & *key*) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Boolean value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

Parameters

key	- the location to return the value from.

Returns

the value at key in the type requested.

Exceptions

NoSuchElementException	if key is not in the map.

UnSupportedOperationException	if the value cannot be converted to the type this method returns

6.619.3.2 virtual unsigned char activemq::util::PrimitiveMap::getByte (const std::string & *key*) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Byte value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

Parameters

key	- the location to return the value from.

Returns

the value at key in the type requested.

Exceptions

NoSuchElementException	if key is not in the map.
UnSupportedOperationException	if the value cannot be converted to the type this method returns

6.619.3.3 virtual std::vector<unsigned char> activemq::util::PrimitiveMap::getByteArray (const std::string & *key*) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Byte Array value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

Parameters

key	- the location to return the value from.

Returns

the value at key in the type requested.

Exceptions

NoSuchElementException	if key is not in the map.

UnSupportedOperationException	if the value cannot be converted to the type this method returns

6.619.3.4 virtual char activemq::util::PrimitiveMap::getChar (const std::string & *key*) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Character value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

Parameters

key	- the location to return the value from.

Returns

the value at key in the type requested.

Exceptions

NoSuchElementException	if key is not in the map.
UnSupportedOperationException	if the value cannot be converted to the type this method returns

6.619.3.5 virtual double activemq::util::PrimitiveMap::getDouble (const std::string & *key*) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Double value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

Parameters

key	- the location to return the value from.

Returns

the value at key in the type requested.

Exceptions

NoSuchElementException	if key is not in the map.
UnSupportedOperationException	if the value cannot be converted to the type this method returns

6.619.3.6 virtual float activemq::util::PrimitiveMap::getFloat (const std::string & *key*) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Float value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

Parameters

key	- the location to return the value from.

Returns

the value at key in the type requested.

Exceptions

NoSuchElementException	if key is not in the map.
UnSupportedOperationException	if the value cannot be converted to the type this method returns

6.619.3.7 virtual int activemq::util::PrimitiveMap::getInt (const std::string & *key*) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Integer value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

Parameters

key	- the location to return the value from.

Returns

the value at key in the type requested.

Exceptions

NoSuchElementException	if key is not in the map.
UnSupportedOperationException	if the value cannot be converted to the type this method returns

6.619.3.8 virtual long long activemq::util::PrimitiveMap::getLong (const std::string & *key*) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Long value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

Parameters

key	- the location to return the value from.

Returns

the value at key in the type requested.

Exceptions

NoSuchElementException	if key is not in the map.
UnSupportedOperationException	if the value cannot be converted to the type this method returns

6.619.3.9 virtual short activemq::util::PrimitiveMap::getShort (const std::string & *key*) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the Short value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

Parameters

key	- the location to return the value from.

Returns

the value at key in the type requested.

Exceptions

NoSuchElementException	if key is not in the map.
UnSupportedOperationException	if the value cannot be converted to the type this method returns

6.619.3.10 virtual std::string activemq::util::PrimitiveMap::getString (const std::string & *key*) const throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Gets the String value at the given key, if the key is not in the map or cannot be returned as the requested value then an exception of type NoSuchElementException is thrown.

Parameters

key	- the location to return the value from.

Returns

the value at key in the type requested.

Exceptions

NoSuchElementException	if key is not in the map.
UnSupportedOperationException	if the value cannot be converted to the type this method returns

6.619.3.11 virtual void activemq::util::PrimitiveMap::setBool (const std::string & *key*, bool *value*) [virtual]

Sets the value at key to the specified type.

Overwrites any data that was previously at this key or inserts a new element at key.

Parameters

key	- the map key to set or insert.
value	- the new value to set at the key location.

6.619.3.12 virtual void activemq::util::PrimitiveMap::setByte (const std::string & *key*, unsigned char *value*) [virtual]

Sets the value at key to the specified type.

Overwrites any data that was previously at this key or inserts a new element at key.

Parameters

key	- the map key to set or insert.
value	- the new value to set at the key location.

6.619.3.13 virtual void activemq::util::PrimitiveMap::setByteArray (const std::string & *key*, const std::vector< unsigned char > & *value*) [virtual]

Sets the value at key to the specified type.

Overwrites any data that was previously at this key or inserts a new element at key.

Parameters

key	- the map key to set or insert.
value	- the new value to set at the key location.

6.619.3.14 virtual void activemq::util::PrimitiveMap::setChar (const std::string & *key*, char *value*) [virtual]

Sets the value at key to the specified type.

Overwrites any data that was previously at this key or inserts a new element at key.

Parameters

key	- the map key to set or insert.
value	- the new value to set at the key location.

6.619.3.15 virtual void activemq::util::PrimitiveMap::setDouble (const std::string & *key*, double *value*) [virtual]

Sets the value at key to the specified type.

Overwrites any data that was previously at this key or inserts a new element at key.

Parameters

key	- the map key to set or insert.
value	- the new value to set at the key location.

6.619.3.16 virtual void activemq::util::PrimitiveMap::setFloat (const std::string & *key*, float *value*) [virtual]

Sets the value at key to the specified type.

Overwrites any data that was previously at this key or inserts a new element at key.

Parameters

key	- the map key to set or insert.
value	- the new value to set at the key location.

6.619.3.17 virtual void activemq::util::PrimitiveMap::setInt (const std::string & *key*, int *value*) [virtual]

Sets the value at key to the specified type.

Overwrites any data that was previously at this key or inserts a new element at key.

Parameters

key	- the map key to set or insert.
value	- the new value to set at the key location.

6.619.3.18 virtual void activemq::util::PrimitiveMap::setLong (const std::string & *key*, long long *value*) [virtual]

Sets the value at key to the specified type.

Overwrites any data that was previously at this key or inserts a new element at key.

Parameters

key	- the map key to set or insert.
value	- the new value to set at the key location.

6.619.3.19 virtual void activemq::util::PrimitiveMap::setShort (const std::string & *key*, short *value*) [virtual]

Sets the value at key to the specified type.

Overwrites any data that was previously at this key or inserts a new element at key.

Parameters

key	- the map key to set or insert.
value	- the new value to set at the key location.

6.619.3.20 virtual void activemq::util::PrimitiveMap::setString (const std::string & *key*, const std::string & *value*) [virtual]

Sets the value at key to the specified type.

Overwrites any data that was previously at this key or inserts a new element at key.

Parameters

key	- the map key to set or insert.
value	- the new value to set at the key location.

6.619.3.21 std::string activemq::util::PrimitiveMap::toString ( ) const

Converts the contents into a formatted string that can be output in a Log File or other debugging tool.

Returns

formatted String of all elements in the map.

The documentation for this class was generated from the following file:

- src/main/activemq/util/**PrimitiveMap.h**

6.620 activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller Class Reference

This class wraps the functionality needed to marshal a primitive map to the Openwire Format's expectation of what the map looks like on the wire.

```
#include <src/main/activemq/wireformat/openwire/marshal/PrimitiveTypesMarshaller.h>
```

Public Member Functions

- **PrimitiveTypesMarshaller** ()
- virtual ~**PrimitiveTypesMarshaller** ()

Static Public Member Functions

- static void **marshal** (const **util::PrimitiveMap** *map, std::vector< unsigned char > &buffer) throw (decaf::lang::Exception)

  Marshal a primitive map object to the given byte buffer.

- static void **unmarshal** (**util::PrimitiveMap** *map, const std::vector< unsigned char > &buffer) throw (decaf::lang::Exception)

  Unmarshal a PrimitiveMap from the provided Byte buffer.

- static void **marshal** (const **util::PrimitiveList** *list, std::vector< unsigned char > &buffer) throw (decaf::lang::Exception)

  Marshal a primitive list object to the given byte buffer.

- static void **unmarshal** (**util::PrimitiveList** *list, const std::vector< unsigned char > &buffer) throw (decaf::lang::Exception)

  Unmarshal a PrimitiveList from the provided byte buffer.

- static void **marshalMap** (const **util::PrimitiveMap** *map, **decaf::io::DataOutputStream** &dataOut) throw (decaf::lang::Exception)

Marshal a primitive map object to the given DataOutputStream.

- static **util::PrimitiveMap** ∗ **unmarshalMap** (**decaf::io::DataInputStream** &dataIn) throw (decaf::lang::Exception)

  Unmarshal a PrimitiveMap from the provided DataInputStream.

- static void **marshalList** (const **util::PrimitiveList** ∗list, **decaf::io::DataOutputStream** &dataOut) throw (decaf::lang::Exception)

  Marshal a PrimitiveList to the given DataOutputStream.

- static **util::PrimitiveList** ∗ **unmarshalList** (**decaf::io::DataInputStream** &dataIn) throw (decaf::lang::Exception)

  Unmarshal a PrimitiveList from the given DataInputStream.

Static Protected Member Functions

- static void **marshalPrimitiveMap** (**decaf::io::DataOutputStream** &dataOut, const **decaf::util::Map**< std::string, **util::PrimitiveValueNode** > &map) throw (decaf::io::IOException)

  Marshal a Map of Primitives to the given OutputStream, can result in recursive calls to this method if the map contains maps of maps.

- static void **marshalPrimitiveList** (**decaf::io::DataOutputStream** &dataOut, const **decaf::util::List**< **util::PrimitiveValueNode** > &list) throw (decaf::io::IOException)

  Marshal a List of Primitives to the given OutputStream, can result in recursive calls to this method if the list contains lists of lists.

- static void **marshalPrimitive** (**decaf::io::DataOutputStream** &dataOut, const **util::PrimitiveValueNode** &value) throw (decaf::io::IOException)

  Used to Marshal the Primitive types out on the Wire.

- static void **unmarshalPrimitiveMap** (**decaf::io::DataInputStream** &dataIn, **util::PrimitiveMap** &map) throw (decaf::io::IOException)

  Unmarshals a Map of Primitives from the given InputStream, can result in recursive calls to this method if the map contains maps of maps.

- static void **unmarshalPrimitiveList** (**decaf::io::DataInputStream** &dataIn, **decaf::util::StlList**< **util::PrimitiveValueNode** > &list) throw (decaf::io::IOException)

  Unmarshals a List of Primitives from the given InputStream, can result in recursive calls to this method if the list contains lists of lists.

- static **util::PrimitiveValueNode unmarshalPrimitive** (**decaf::io::DataInputStream** &dataIn) throw (decaf::io::IOException)

  Unmarshals a Primitive Type from the stream, and returns it as a value Node.

6.620.1 Detailed Description

This class wraps the functionality needed to marshal a primitive map to the Openwire Format's expectation of what the map looks like on the wire.

6.620.2 Constructor & Destructor Documentation

6.620.2.1 activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::PrimitiveTypesMarshaller ( ) [inline]

6.620.2.2 virtual activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::~PrimitiveTypesMarshaller ( ) [inline, virtual]

6.620.3 Member Function Documentation

6.620.3.1 static void activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::marshal (const util::PrimitiveMap * *map*, std::vector< unsigned char > & *buffer*) throw (decaf::lang::Exception) [static]

Marshal a primitive map object to the given byte buffer.

Parameters

map	Map to Marshal.
buffer	The byte buffer to write the marshaled data to.

Exceptions

Exception	if an error occurs during the marshaling process.

6.620.3.2 static void activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::marshal (const util::PrimitiveList * *list*, std::vector< unsigned char > & *buffer*) throw (decaf::lang::Exception) [static]

Marshal a primitive list object to the given byte buffer.

Parameters

map	The PrimitiveList to Marshal.
buffer	The byte buffer to write the marshaled data to.

Exceptions

Exception	if an error occurs during the marshaling process.

6.620.3.3 static void activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::marshalList (const util::PrimitiveList * *list*, decaf::io::DataOutputStream & *dataOut*) throw (decaf::lang::Exception) [static]

Marshal a PrimitiveList to the given DataOutputStream.

Parameters

list	The list object to Marshal
dataOut	Reference to a DataOutputStream to write the marshaled data to.

Exceptions

Exception	if an error occurs during the marshaling process.

6.620.3.4 static void activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::marshalMap (const util::PrimitiveMap * *map*, decaf::io::DataOutputStream & *dataOut*) throw (decaf::lang::Exception) [static]

Marshal a primitive map object to the given DataOutputStream.

Parameters

map	Map to Marshal.
dataOut	Reference to a DataOutputStream to write the marshaled data to.

Exceptions

Exception	if an error occurs during the marshaling process.

6.620.3.5 static void activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::marshalPrimitive (decaf::io::DataOutputStream & *dataOut*, const util::PrimitiveValueNode & *value*) throw (decaf::io::IOException) [static, protected]

Used to Marshal the Primitive types out on the Wire.

Parameters

dataOut	- the DataOutputStream to write to
value	- the ValueNode to write.

Exceptions

IOException	

6.620.3.6 static void activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::marshalPrimitiveList (decaf::io::DataOutputStream & *dataOut*, const decaf::util::List< util::PrimitiveValueNode > & *list*) throw (decaf::io::IOException) [static, protected]

Marshal a List of Primitives to the given OutputStream, can result in recursive calls to this method if the list contains lists of lists.

Parameters

dataOut	- the DataOutputStream to write to
list	- the ValueNode to write.

Exceptions

IOException	

6.620.3.7 static void activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::marshalPrimitiveMap (decaf::io::DataOutputStream & *dataOut*, const decaf::util::Map< std::string, util::PrimitiveValueNode > & *map*) throw (decaf::io::IOException) [static, protected]

Marshal a Map of Primitives to the given OutputStream, can result in recursive calls to this method if the map contains maps of maps.

Parameters

dataOut	- the DataOutputStream to write to
map	- the ValueNode to write.

Exceptions

IOException	

6.620.3.8 static void activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::unmarshal (util::PrimitiveList * *list*, const std::vector< unsigned char > & *buffer*) throw (decaf::lang::Exception) [static]

Unmarshal a PrimitiveList from the provided byte buffer.

Parameters

map	The List to populate with values from the marshaled data.
buffer	The byte buffer containing the marshaled Map.

Exceptions

Exception	if an error occurs during the unmarshal process.

6.620.3.9 static void activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::unmarshal (util::PrimitiveMap * *map*, const std::vector< unsigned char > & *buffer*) throw (decaf::lang::Exception) [static]

Unmarshal a PrimitiveMap from the provided Byte buffer.

Parameters

map	The Map to populate with values from the marshaled data.
buffer	The byte buffer containing the marshaled Map.

Exceptions

Exception	if an error occurs during the unmarshal process.

6.620.3.10 static util::PrimitiveList* activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::unmarshalList (decaf::io::DataInputStream & *dataIn*) throw (decaf::lang::Exception) [static]

Unmarshal a PrimitiveList from the given DataInputStream.

Parameters

dataIn	The DataInputStream instance to read the marshaled PrimitiveList from.

Returns

a pointer to a newly allocated PrimitiveList instnace.

Exceptions

Exception	if an error occurs during the unmarshal process.

6.620.3.11 static util::PrimitiveMap* activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::unmarshalMap (decaf::io::DataInputStream & *dataIn*) throw (decaf::lang::Exception) [static]

Unmarshal a PrimitiveMap from the provided DataInputStream.

Parameters

dataIn	The DataInputStream instance to read the marshaled PrimitiveMap from.

Returns

a pointer to a newly allocated PrimitiveMap instnace.

Exceptions

Exception	if an error occurs during the unmarshal process.

6.620.3.12 static util::PrimitiveValueNode activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::unmarshalPrimitive (decaf::io::DataInputStream & *dataIn*) throw (decaf::io::IOException) [static, protected]

Unmarshals a Primitive Type from the stream, and returns it as a value Node.

Parameters

dataIn	- DataInputStream to read from.

Returns

a PrimitiveValueNode containing the data.

Exceptions

IOException	

6.620.3.13 static void activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::unmarshalPrimitiveList (decaf::io::DataInputStream & *dataIn,* decaf::util::StlList< util::PrimitiveValueNode > & *list*) throw (decaf::io::IOException) [static, protected]

Unmarshals a List of Primitives from the given InputStream, can result in recursive calls to this method if the list contains lists of lists.

Parameters

dataIn	- DataInputStream to read from.
list	- the ValueNode to write.

Exceptions

IOException	

6.620.3.14 static void activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller::unmarshalPrimitiveMap (decaf::io::DataInputStream & *dataIn,* util::PrimitiveMap & *map*) throw (decaf::io::IOException) [static, protected]

Unmarshals a Map of Primitives from the given InputStream, can result in recursive calls to this method if the map contains maps of maps.

Parameters

dataIn	- DataInputStream to read from.
map	- the map to fill with data.

Exceptions

IOException	

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/**PrimitiveTypesMarshaller.h**

6.621 activemq::util::PrimitiveValueNode::PrimitiveValue Union Reference

Define a union type comprised of the various types.

`#include <src/main/activemq/util/PrimitiveValueNode.h>`

Data Fields

- bool **boolValue**
- unsigned char **byteValue**
- char **charValue**
- short **shortValue**
- int **intValue**
- long long **longValue**
- double **doubleValue**
- float **floatValue**
- std::string ∗ **stringValue**
- std::vector< unsigned char > ∗ **byteArrayValue**
- **decaf::util::List**< **PrimitiveValueNode** > ∗ **listValue**
- **decaf::util::Map**< std::string, **PrimitiveValueNode** > ∗ **mapValue**

6.621.1 Detailed Description

Define a union type comprised of the various types.

6.621.2 Field Documentation

6.621.2.1 bool activemq::util::PrimitiveValueNode::PrimitiveValue::boolValue

6.621.2.2 std::vector<unsigned char>* activemq::util::PrimitiveValueNode::PrimitiveValue::byteArrayValue

6.621.2.3 unsigned char activemq::util::PrimitiveValueNode::PrimitiveValue::byteValue

6.621.2.4 char activemq::util::PrimitiveValueNode::PrimitiveValue::charValue

6.621.2.5 double activemq::util::PrimitiveValueNode::PrimitiveValue::doubleValue

6.621.2.6 float activemq::util::PrimitiveValueNode::PrimitiveValue::floatValue

6.621.2.7 int activemq::util::PrimitiveValueNode::PrimitiveValue::intValue

6.621.2.8 decaf::util::List<PrimitiveValueNode>* activemq::util::PrimitiveValueNode::PrimitiveValue::listValue

6.621.2.9 long long activemq::util::PrimitiveValueNode::PrimitiveValue::longValue

6.621.2.10 decaf::util::Map<std::string, PrimitiveValueNode>* activemq::util::PrimitiveValueNode::PrimitiveValue::mapValue

6.621.2.11 short activemq::util::PrimitiveValueNode::PrimitiveValue::shortValue

6.621.2.12 std::string* activemq::util::PrimitiveValueNode::PrimitiveValue::stringValue

The documentation for this union was generated from the following file:

- src/main/activemq/util/**PrimitiveValueNode.h**

6.622 activemq::util::PrimitiveValueConverter Class Reference

Class controls the conversion of data contained in a **PrimitiveValueNode** (p. 3099) from one type to another.

```
#include <src/main/activemq/util/PrimitiveValueConverter.h>
```

Public Member Functions

- **PrimitiveValueConverter** ()
- virtual ~**PrimitiveValueConverter** ()
- template<typename TO >
  TO **convert** (const **PrimitiveValueNode** &value) const throw (decaf::lang::exceptions::UnsupportedOperationExcepti
)

6.622.1 Detailed Description

Class controls the conversion of data contained in a **PrimitiveValueNode** (p. 3099) from one type to another. If the conversion is supported then calling the convert method will throw an UnsupportedOperationException to indicate that its not possible to perform the conversion.

This class is used to implement the rules of conversion on CMS Message properties, the following conversion table must be implemented. A value written as the row type can be read in the column type.

| | boolean byte short int long float double String |---------- |boolean | X X |byte | X X X X X |short | X X X X |int | X X X |long | X X |float | X X X |double | X X |String | X X X X X X X X |----------

Since

3.0

6.622.2 Constructor & Destructor Documentation

6.622.2.1 activemq::util::PrimitiveValueConverter::PrimitiveValueConverter ( ) [inline]

6.622.2.2 virtual activemq::util::PrimitiveValueConverter::~PrimitiveValueConverter ( ) [inline, virtual]

6.622.3 Member Function Documentation

6.622.3.1 std::vector< unsigned char > activemq::util::PrimitiveValueConverter::convert (const PrimitiveValueNode & *value*) const throw (decaf::lang::exceptions::UnsupportedOperationException) [inline]

The documentation for this class was generated from the following file:

- src/main/activemq/util/**PrimitiveValueConverter.h**

6.623 activemq::util::PrimitiveValueNode Class Reference

Class that wraps around a single value of one of the many types.

```
#include <src/main/activemq/util/PrimitiveValueNode.h>
```

Data Structures

- union **PrimitiveValue**

  Define a union type comprised of the various types.

Public Types

- enum **PrimitiveType** {

  NULL_TYPE = 0, **BOOLEAN_TYPE** = 1, **BYTE_TYPE** = 2, **CHAR_TYPE** = 3,

  SHORT_TYPE = 4, **INTEGER_TYPE** = 5, **LONG_TYPE** = 6, **DOUBLE_-TYPE** = 7,

  FLOAT_TYPE = 8, **STRING_TYPE** = 9, **BYTE_ARRAY_TYPE** = 10, **MAP_-TYPE** = 11,

  LIST_TYPE = 12, **BIG_STRING_TYPE** = 13 }

  Enumeration for the various primitive types.

Public Member Functions

- **PrimitiveValueNode** ()

  Default Constructor, creates a value of the NULL_TYPE.

- **PrimitiveValueNode** (bool value)

  Boolean Value Constructor.

- **PrimitiveValueNode** (unsigned char value)

  Byte Value Constructor.

- **PrimitiveValueNode** (char value)

  Char Value Constructor.

- **PrimitiveValueNode** (short value)

  Short Value Constructor.

- **PrimitiveValueNode** (int value)

  Int Value Constructor.

- **PrimitiveValueNode** (long long value)

  Long Value Constructor.

- **PrimitiveValueNode** (float value)

  Float Value Constructor.

- **PrimitiveValueNode** (double value)

  Double Value Constructor.

- **PrimitiveValueNode** (const char *value)

  String Value Constructor.

- **PrimitiveValueNode** (const std::string &value)

  String Value Constructor.

- **PrimitiveValueNode** (const std::vector< unsigned char > &value)

  Byte Array Value Constructor.

- **PrimitiveValueNode** (const **decaf::util::List**< **PrimitiveValueNode** > &value)

  Primtive List Constructor.

- **PrimitiveValueNode** (const **decaf::util::Map**< std::string, **PrimitiveValueNode** > &value)

  Primtive Map Value Constructor.

- **PrimitiveValueNode** (const **PrimitiveValueNode** &node)

  Copy constructor.

- ~**PrimitiveValueNode** ()
- **PrimitiveValueNode** & **operator=** (const **PrimitiveValueNode** &node)

  Assignment operator, copies the data from the other node.

- bool **operator==** (const **PrimitiveValueNode** &node) const

  Comparison Operator, compares this node to the other node.

- **PrimitiveType getType** () const

  Gets the Value Type of this type wrapper.

- **PrimitiveValue getValue** () const

  Gets the internal Primitive Value object from this wrapper.

- void **setValue** (const **PrimitiveValue** &value, **PrimitiveType** valueType)

  Sets the internal PrimitiveVale object to the new value along with the tag for the type that it consists of.

- void **clear** ()

  Clears the value from this wrapper converting it back to a blank NULL_TYPE value.

- void **setBool** (bool value)

  Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

- bool **getBool** () const throw (decaf::lang::exceptions::NoSuchElementException)

  Gets the Boolean value of this Node.

- void **setByte** (unsigned char value)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

- unsigned char **getByte** () const throw (decaf::lang::exceptions::NoSuchElementException)

  Gets the Byte value of this Node.

- void **setChar** (char value)

  Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

- char **getChar** () const throw (decaf::lang::exceptions::NoSuchElementException)

  Gets the Character value of this Node.

- void **setShort** (short value)

  Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

- short **getShort** () const throw (decaf::lang::exceptions::NoSuchElementException)

  Gets the Short value of this Node.

- void **setInt** (int value)

  Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

- int **getInt** () const throw (decaf::lang::exceptions::NoSuchElementException)

  Gets the Integer value of this Node.

- void **setLong** (long long value)

  Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

- long long **getLong** () const throw (decaf::lang::exceptions::NoSuchElementException)

  Gets the Long value of this Node.

- void **setFloat** (float value)

  Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

- float **getFloat** () const throw (decaf::lang::exceptions::NoSuchElementException)

  Gets the Float value of this Node.

- void **setDouble** (double value)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

- double **getDouble** () const throw (decaf::lang::exceptions::NoSuchElementException)

  Gets the Double value of this Node.

- void **setString** (const std::string &value)

  Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

- std::string **getString** () const throw (decaf::lang::exceptions::NoSuchElementException)

  Gets the String value of this Node.

- void **setByteArray** (const std::vector< unsigned char > &value)

  Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

- std::vector< unsigned char > **getByteArray** () const throw (decaf::lang::exceptions::NoSuchElementExce)

  Gets the Byte Array value of this Node.

- void **setList** (const **decaf::util::List**< **PrimitiveValueNode** > &value)

  Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

- const **decaf::util::List**< **PrimitiveValueNode** > & **getList** () const throw (decaf::lang::exceptions::NoSuchElementException)

  Gets the Primitive List value of this Node.

- void **setMap** (const **decaf::util::Map**< std::string, **PrimitiveValueNode** > &value)

  Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

- const **decaf::util::Map**< std::string, **PrimitiveValueNode** > & **getMap** () const throw (decaf::lang::exceptions::NoSuchElementException)

  Gets the Primitive Map value of this Node.

- std::string **toString** () const

  Creates a string representation of this value.

6.623.1 Detailed Description

Class that wraps around a single value of one of the many types. Manages memory for complex types, such as strings. Note: the destructor was left non-virtual so no virtual

table will be created. This probably isn't necessary, but will avoid needless memory allocation. Since we'll never extend this class, not having a virtual destructor isn't a concern.

6.623.2 Member Enumeration Documentation

6.623.2.1 enum activemq::util::PrimitiveValueNode::PrimitiveType

Enumeration for the various primitive types.

Enumerator:

NULL_TYPE
BOOLEAN_TYPE
BYTE_TYPE
CHAR_TYPE
SHORT_TYPE
INTEGER_TYPE
LONG_TYPE
DOUBLE_TYPE
FLOAT_TYPE
STRING_TYPE
BYTE_ARRAY_TYPE
MAP_TYPE
LIST_TYPE
BIG_STRING_TYPE

6.623.3 Constructor & Destructor Documentation

6.623.3.1 activemq::util::PrimitiveValueNode::PrimitiveValueNode ( )

Default Constructor, creates a value of the NULL_TYPE.

6.623.3.2 activemq::util::PrimitiveValueNode::PrimitiveValueNode (bool *value*)

Boolean Value Constructor.

Parameters

value	- the new value to store.

6.623.3.3 activemq::util::PrimitiveValueNode::PrimitiveValueNode (unsigned char *value*)

Byte Value Constructor.

Parameters

value	- the new value to store.

6.623.3.4 activemq::util::PrimitiveValueNode::PrimitiveValueNode (char *value*)

Char Value Constructor.

Parameters

value	- the new value to store.

6.623.3.5 activemq::util::PrimitiveValueNode::PrimitiveValueNode (short *value*)

Short Value Constructor.

Parameters

value	- the new value to store.

6.623.3.6 activemq::util::PrimitiveValueNode::PrimitiveValueNode (int *value*)

Int Value Constructor.

Parameters

value	- the new value to store.

6.623.3.7 activemq::util::PrimitiveValueNode::PrimitiveValueNode (long long *value*)

Long Value Constructor.

Parameters

value	- the new value to store.

6.623.3.8 activemq::util::PrimitiveValueNode::PrimitiveValueNode (float *value*)

Float Value Constructor.

Parameters

value	- the new value to store.

6.623.3.9 activemq::util::PrimitiveValueNode::PrimitiveValueNode (double *value*)

Double Value Constructor.

Parameters

value	- the new value to store.

6.623.3.10 activemq::util::PrimitiveValueNode::PrimitiveValueNode (const char * *value*)

String Value Constructor.

Parameters

value	- the new value to store.

6.623.3.11 activemq::util::PrimitiveValueNode::PrimitiveValueNode (const std::string & *value*)

String Value Constructor.

Parameters

value	- the new value to store.

6.623.3.12 activemq::util::PrimitiveValueNode::PrimitiveValueNode (const std::vector< unsigned char > & *value*)

Byte Array Value Constructor.

Parameters

value	- the new value to store.

6.623.3.13 activemq::util::PrimitiveValueNode::PrimitiveValueNode (const decaf::util::List< PrimitiveValueNode > & *value*)

Primtive List Constructor.

Parameters

value	- the new value to store.

6.623.3.14 activemq::util::PrimitiveValueNode::PrimitiveValueNode (const decaf::util::Map< std::string, PrimitiveValueNode > & *value*)

Primtive Map Value Constructor.

Parameters

value	- the new value to store.

6.623.3.15 activemq::util::PrimitiveValueNode::PrimitiveValueNode (const PrimitiveValueNode & *node*)

Copy constructor.

Parameters

node	The instance of another node to copy to this one.

6.623.3.16 activemq::util::PrimitiveValueNode::~PrimitiveValueNode ( ) [inline]

6.623.4 Member Function Documentation

6.623.4.1 void activemq::util::PrimitiveValueNode::clear ( )

Clears the value from this wrapper converting it back to a blank NULL_TYPE value.

6.623.4.2 bool activemq::util::PrimitiveValueNode::getBool ( ) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets the Boolean value of this Node.

Returns

value contained at the given index

Exceptions

NoSuchElementException	this node cannot be returned as the requested type.

6.623.4.3 unsigned char activemq::util::PrimitiveValueNode::getByte ( ) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets the Byte value of this Node.

Returns

value contained at the given index

Exceptions

NoSuchElementException	this node cannot be returned as the requested type.

6.623.4.4 std::vector<unsigned char> activemq::util::PrimitiveValueNode::getByteArray ( ) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets the Byte Array value of this Node.

Returns

value contained at the given index

Exceptions

NoSuchElementException	this node cannot be returned as the requested type.

6.623.4.5 char activemq::util::PrimitiveValueNode::getChar ( ) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets the Character value of this Node.

Returns

value contained at the given index

Exceptions

NoSuchElementException	this node cannot be returned as the requested type.

6.623.4.6 double activemq::util::PrimitiveValueNode::getDouble ( ) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets the Double value of this Node.

Returns

value contained at the given index

Exceptions

NoSuchElementException	this node cannot be returned as the requested type.

6.623.4.7 float activemq::util::PrimitiveValueNode::getFloat ( ) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets the Float value of this Node.

Returns

value contained at the given index

Exceptions

NoSuchElementException	this node cannot be returned as the requested type.

6.623.4.8 int activemq::util::PrimitiveValueNode::getInt ( ) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets the Integer value of this Node.

Returns

value contained at the given index

Exceptions

NoSuchElementException	this node cannot be returned as the requested type.

6.623.4.9 const decaf::util::List<PrimitiveValueNode>& activemq::util::PrimitiveValueNode::getList ( ) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets the Primitive List value of this Node.

Returns

value contained at the given index

Exceptions

NoSuchElementException	this node cannot be returned as the requested type.

6.623.4.10 long long activemq::util::PrimitiveValueNode::getLong ( ) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets the Long value of this Node.

Returns

value contained at the given index

Exceptions

NoSuchElementException	this node cannot be returned as the requested type.

6.623.4.11 const decaf::util::Map<std::string, PrimitiveValueNode>& activemq::util::PrimitiveValueNode::getMap ( ) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets the Primitive Map value of this Node.

Returns

value contained at the given index

Exceptions

NoSuchElementException	this node cannot be returned as the requested type.

6.623.4.12 short activemq::util::PrimitiveValueNode::getShort ( ) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets the Short value of this Node.

Returns

value contained at the given index

Exceptions

NoSuchElementException	this node cannot be returned as the requested type.

6.623.4.13 std::string activemq::util::PrimitiveValueNode::getString ( ) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets the String value of this Node.

Returns

value contained at the given index

Exceptions

NoSuchElementException	this node cannot be returned as the requested type.

6.623.4.14 PrimitiveType activemq::util::PrimitiveValueNode::getType ( ) const [inline]

Gets the Value Type of this type wrapper.

Returns

the PrimitiveType value for this wrapper.

6.623.4.15 PrimitiveValue activemq::util::PrimitiveValueNode::getValue ( ) const [inline]

Gets the internal Primitive Value object from this wrapper.

Returns

a copy of the contained **PrimitiveValue** (p. 3097)

6.623.4.16 PrimitiveValueNode& activemq::util::PrimitiveValueNode::operator= (const PrimitiveValueNode & *node*)

Assignment operator, copies the data from the other node.

Parameters

node	The instance of another node to copy to this one.

6.623.4.17 bool activemq::util::PrimitiveValueNode::operator== (const PrimitiveValueNode & *node*) const

Comparison Operator, compares this node to the other node.

Returns

true if the values are the same false otherwise.

6.623.4.18 void activemq::util::PrimitiveValueNode::setBool (bool *value*)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

Parameters

value	- the new value to assign to the element at index

6.623.4.19 void activemq::util::PrimitiveValueNode::setByte (unsigned char *value*)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

Parameters

value	- the new value to assign to the element at index

6.623.4.20 void activemq::util::PrimitiveValueNode::setByteArray (const std::vector< unsigned char > & *value*)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

Parameters

value	- the new value to assign to the element at index

6.623.4.21 void activemq::util::PrimitiveValueNode::setChar (char *value*)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

Parameters

value	- the new value to assign to the element at index

6.623.4.22 void activemq::util::PrimitiveValueNode::setDouble (double *value*)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

Parameters

value	- the new value to assign to the element at index

6.623.4.23 void activemq::util::PrimitiveValueNode::setFloat (float *value*)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

Parameters

value	- the new value to assign to the element at index

6.623.4.24 void activemq::util::PrimitiveValueNode::setInt (int *value*)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

Parameters

value	- the new value to assign to the element at index

6.623.4.25 void activemq::util::PrimitiveValueNode::setList (const decaf::util::List< PrimitiveValueNode > & *value*)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

Parameters

value	- the new value to assign to the element at index

6.623.4.26 void activemq::util::PrimitiveValueNode::setLong (long long *value*)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

Parameters

value	- the new value to assign to the element at index

6.623.4.27 void activemq::util::PrimitiveValueNode::setMap (const decaf::util::Map< std::string, PrimitiveValueNode > & *value*)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

Parameters

value	- the new value to assign to the element at index

6.623.4.28 void activemq::util::PrimitiveValueNode::setShort (short *value*)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

Parameters

value	- the new value to assign to the element at index

6.623.4.29 void activemq::util::PrimitiveValueNode::setString (const std::string & *value*)

Sets the value of this value node to the new value specified, this method overwrites any data that was previously at the index given.

Parameters

value	- the new value to assign to the element at index

6.623.4.30 void activemq::util::PrimitiveValueNode::setValue (const **PrimitiveValue** & *value,* **PrimitiveType** *valueType*)

Sets the internal PrimitiveVale object to the new value along with the tag for the type that it consists of.

Parameters

value	The value to set as the value contained in this Node.
valueType	The type of the value being set into this one.

6.623.4.31 std::string activemq::util::PrimitiveValueNode::toString ( ) const

Creates a string representation of this value.

Returns

string value of this type wrapper.

The documentation for this class was generated from the following file:

- src/main/activemq/util/**PrimitiveValueNode.h**

6.624 decaf::security::Principal Class Reference

Base interface for a principal, which can represent an individual or organization.

```
#include <src/main/decaf/security/Principal.h>
```

Inheritance diagram for decaf::security::Principal:

Public Member Functions

- virtual ~**Principal** ()
- virtual bool **equals** (const **Principal** &another) const =0

  Compares two principals to see if they are the same.

- virtual std::string **getName** () const =0

  Provides the name of this principal.

6.624.1 Detailed Description

Base interface for a principal, which can represent an individual or organization.

6.624.2 Constructor & Destructor Documentation

6.624.2.1 virtual decaf::security::Principal::~Principal ( ) [inline, virtual]

6.624.3 Member Function Documentation

6.624.3.1 virtual bool decaf::security::Principal::equals (const Principal & *another*) const [pure virtual]

Compares two principals to see if they are the same.

Parameters

another	A principal to be tested for equality to this one.

Returns

true if the given principal is equivalent to this one.

6.624.3.2 virtual std::string decaf::security::Principal::getName ( ) const [pure virtual]

Provides the name of this principal.

Returns

the name of this principal.

Implemented in **decaf::security::auth::x500::X500Principal** (p. 4140).

The documentation for this class was generated from the following file:

- src/main/decaf/security/**Principal.h**

6.625 decaf::util::PriorityQueue< E > Class Template Reference

An unbounded priority queue based on a binary heap algorithm.

`#include <src/main/decaf/util/PriorityQueue.h>`

Inheritance diagram for decaf::util::PriorityQueue< E >:

Data Structures

- class **ConstPriorityQueueIterator**
- class **PriorityQueueIterator**

Public Member Functions

- **PriorityQueue** ()

  *Creates a Priority **Queue** (p. 3239) with the default initial capacity.*

- **PriorityQueue** (std::size_t initialCapacity)

  *Creates a Priority **Queue** (p. 3239) with the capacity value supplied.*

- **PriorityQueue** (std::size_t initialCapacity, **Comparator**< E > *comparator)

  *Creates a Priority **Queue** (p. 3239) with the default initial capacity.*

- **PriorityQueue** (const **Collection**< E > &source)

  *Creates a **PriorityQueue** (p. 3116) containing the elements in the specified **Collection** (p. 1216).*

- **PriorityQueue** (const **PriorityQueue**< E > &source)

  *Creates a **PriorityQueue** (p. 3116) containing the elements in the specified priority queue.*

- virtual ~**PriorityQueue** ()
- **PriorityQueue**< E > & **operator=** (const **Collection**< E > &source)

  *Assignment operator, assign another **Collection** (p. 1216) to this one.*

- **PriorityQueue**< E > & **operator=** (const **PriorityQueue**< E > &source)

  *Assignment operator, assign another **PriorityQueue** (p. 3116) to this one.*

- virtual **decaf::util::Iterator**< E > * **iterator** ()

- virtual **decaf::util::Iterator**< E > ∗ **iterator** () const
- virtual std::size_t **size** () const

  Returns the number of elements in this collection.

- virtual void **clear** () throw (lang::exceptions::UnsupportedOperationException)

  Removes all elements of the queue.

- virtual bool **offer** (const E &value) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

  Inserts the specified element into the queue provided that the condition allows such an operation.

- virtual bool **poll** (E &result)

  Gets and removes the element in the head of the queue.

- virtual bool **peek** (E &result) const

  Gets but not removes the element in the head of the queue.

- virtual E **remove** () throw (decaf::lang::exceptions::NoSuchElementException)

  Retrieves and removes the head of this queue.

- virtual bool **remove** (const E &value) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException)

  Removes a single instance of the specified element from this collection, if it is present (optional operation).

- virtual bool **add** (const E &value) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException)

  Inserts the specified element into this queue if it is possible to do so immediately without violating capacity restrictions, returning true upon success and throwing an IllegalStateException if no space is currently available.

- **decaf::lang::Pointer**< **Comparator**< E > > **comparator** () const

  *obtains a Copy of the Pointer instance that this **PriorityQueue** (p. 3116) is using to compare the elements in the queue with.*

Friends

- class **PriorityQueueIterator**

6.625.1 Detailed Description

template<typename E> class decaf::util::PriorityQueue< E >

An unbounded priority queue based on a binary heap algorithm. The elements of the priority queue are ordered according to their natural ordering, or by a **Comparator** (p. 1251) provided to one of the constructors that accepts Comparators. A priority queue relying on natural ordering also does not permit insertion of non-comparable objects (doing so may result in a compiler error).

The head of this queue is the least element with respect to the specified ordering. If multiple elements are tied for least value, the head is one of those elements -- ties are broken arbitrarily. The queue retrieval operations poll, remove, peek, and element access the element at the head of the queue.

A priority queue is unbounded, but has an internal capacity governing the size of an array used to store the elements on the queue. It is always at least as large as the queue size. As elements are added to a priority queue, its capacity grows automatically. The details of the growth policy are not specified.

This class and its iterator implement all of the optional methods of the **Collection** (p. 1216) and **Iterator** (p. 2222) interfaces. The **Iterator** (p. 2222) provided in method **iterator()** (p. 3121) is not guaranteed to traverse the elements of the priority queue in any particular order. If you need ordered traversal, consider using `Arrays::sort( pq.toArray() )`.

Note that this implementation is not synchronized. Multiple threads should not access a **PriorityQueue** (p. 3116) instance concurrently if any of the threads modifies the queue. Instead, use the thread-safe PriorityBlockingQueue class.

Implementation note: this implementation provides O(log(n)) time for the enqueing and dequeing methods (offer, poll, **remove()** (p. 3123) and add); linear time for the remove(Object) and contains(Object) methods; and constant time for the retrieval methods (peek, element, and size).

Since

1.0

6.625.2 Constructor & Destructor Documentation

6.625.2.1 template<typename E> decaf::util::PriorityQueue< E >::PriorityQueue ( ) [inline]

Creates a Priority **Queue** (p. 3239) with the default initial capacity.

6.625.2.2 template<typename E> decaf::util::PriorityQueue< E >::PriorityQueue (std::size_t *initialCapacity*) [inline]

Creates a Priority **Queue** (p. 3239) with the capacity value supplied.

Parameters

initialCapacity	The initial number of elements allocated to this **PriorityQueue** (p. 3116).

6.625.2.3 template<typename E> decaf::util::PriorityQueue< E >::PriorityQueue (std::size_t *initialCapacity*, Comparator< E > * *comparator*) [inline]

Creates a Priority **Queue** (p. 3239) with the default initial capacity.

This new **PriorityQueue** (p. 3116) takes ownership of the passed **Comparator** (p. 1251) instance and uses that to determine the ordering of the elements in the **Queue** (p. 3239).

Parameters

initialCapacity	The initial number of elements allocated to this **PriorityQueue** (p. 3116).
comparator	The **Comparator** (p. 1251) instance to use in sorting the elements in the **Queue** (p. 3239).

Exceptions

NullPointerException	if the passed **Comparator** (p. 1251) is NULL.

6.625.2.4 template<typename E> decaf::util::PriorityQueue< E >::PriorityQueue (const Collection< E > & *source*) [inline]

Creates a **PriorityQueue** (p. 3116) containing the elements in the specified **Collection** (p. 1216).

Parameters

source	the **Collection** (p. 1216) whose elements are to be placed into this priority queue

6.625.2.5 template<typename E> decaf::util::PriorityQueue< E >::PriorityQueue (const PriorityQueue< E > & *source*) [inline]

Creates a **PriorityQueue** (p. 3116) containing the elements in the specified priority queue.

This priority queue will be ordered according to the same ordering as the given priority queue.

Parameters

source	the priority queue whose elements are to be placed into this priority queue

6.625.2.6 template<typename E> virtual decaf::util::PriorityQueue< E >::~PriorityQueue ( ) [inline, virtual]

6.625.3 Member Function Documentation

6.625.3.1 template<typename E> virtual bool decaf::util::PriorityQueue< E >::add (const E & *value*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException) [inline, virtual]

Inserts the specified element into this queue if it is possible to do so immediately without violating capacity restrictions, returning true upon success and throwing an IllegalStateException if no space is currently available.

This implementation returns true if offer succeeds, else throws an IllegalStateException.

Parameters

value	- the element to offer to the **Queue** (p. 3239).

Returns

true if the add succeeds.

Exceptions

IllegalArgumentException	if the element cannot be added.

Reimplemented from **decaf::util::AbstractQueue< E >** (p. 177).

References DECAF_CATCH_EXCEPTION_CONVERT, DECAF_CATCH_RETHROW, DECAF_CATCHALL_THROW, and decaf::util::PriorityQueue< E >::offer().

6.625.3.2 template<typename E> virtual void decaf::util::PriorityQueue< E >::clear ( ) throw (lang::exceptions::UnsupportedOperationException) [inline, virtual]

Removes all elements of the queue.

This implementation repeatedly invokes poll until it returns the empty marker.

Reimplemented from **decaf::util::AbstractQueue< E >** (p. 178).

6.625.3.3 template<typename E> decaf::lang::Pointer< Comparator<E> > decaf::util::PriorityQueue< E >::comparator ( ) const [inline]

obtains a Copy of the Pointer instance that this **PriorityQueue** (p. 3116) is using to compare the elements in the queue with.

The returned value is a copy, the caller cannot change the value if the internal Pointer value.

Returns

a copy of the **Comparator** (p. 1251) Pointer being used by this **Queue** (p. 3239).

6.625.3.4 template<typename E> virtual decaf::util::Iterator<E>* decaf::util::PriorityQueue< E >::iterator ( ) const [inline, virtual]

Implements **decaf::lang::Iterable**< **E** > (p. 2222).

6.625.3.5 template<typename E> virtual decaf::util::Iterator<E>* decaf::util::PriorityQueue< E >::iterator ( ) [inline, virtual]

Returns

an iterator over a set of elements of type T.

Implements **decaf::lang::Iterable**< **E** > (p. 2221).

References decaf::util::PriorityQueue< E >::PriorityQueueIterator.

6.625.3.6 template<typename E> virtual bool decaf::util::PriorityQueue< E >::offer (const E & *value*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException) [inline, virtual]

Inserts the specified element into the queue provided that the condition allows such an operation.

The method is generally preferable to the collection.add(E), since the latter might throw an exception if the operation fails.

Parameters

value	the specified element to insert into the queue.

Returns

true if the operation succeeds and false if it fails.

Exceptions

NullPointerException	if the **Queue** (p. 3239) implementation does not allow Null values to be inserted into the **Queue** (p. 3239).
IllegalArgumentException	if some property of the specified element prevents it from being added to this queue

Implements **decaf::util::Queue< E >** (p. 3241).

Referenced by decaf::util::PriorityQueue< E >::add().

6.625.3.7 template<typename E> PriorityQueue<E>& decaf::util::PriorityQueue< E >::operator= (const PriorityQueue< E > & *source*) [inline]

Assignment operator, assign another **PriorityQueue** (p. 3116) to this one.

Parameters

source	The **PriorityQueue** (p. 3116) to copy to this one.

6.625.3.8 template<typename E> PriorityQueue<E>& decaf::util::PriorityQueue< E >::operator= (const Collection< E > & *source*) [inline]

Assignment operator, assign another **Collection** (p. 1216) to this one.

Parameters

source	The **Collection** (p. 1216) to copy to this one.

6.625.3.9 template<typename E> virtual bool decaf::util::PriorityQueue< E >::peek (E & *result*) const [inline, virtual]

Gets but not removes the element in the head of the queue.

The result if successful is assigned to the result parameter.

Parameters

result	Reference to an instance of the contained type to assigned the removed value to.

Returns

true if the element at the head of the queue was removed and assigned to the result parameter.

Implements **decaf::util::Queue< E >** (p. 3242).

6.625.3.10 template<typename E> virtual bool decaf::util::PriorityQueue< E >::poll (E & *result*) [inline, virtual]

Gets and removes the element in the head of the queue.

If the operation succeeds the value of the element at the head of the **Queue** (p. 3239) is assigned to the result parameter and the method returns true. If the operation fails the method returns false and the value of the result parameter is undefined.

Parameters

result	Reference to an instance of the contained type to assigned the removed value to.

Returns

true if the element at the head of the queue was removed and assigned to the result parameter.

Implements **decaf::util::Queue< E >** (p. 3242).

6.625.3.11 template<typename E> virtual E decaf::util::PriorityQueue< E >::remove ( ) throw (decaf::lang::exceptions::NoSuchElementException) [inline, virtual]

Retrieves and removes the head of this queue.

This method differs from poll only in that it throws an exception if this queue is empty.

This implementation returns the result of poll unless the queue is empty.

Returns

a copy of the element in the head of the queue.

Exceptions

NoSuchElementException	if the queue is empty.

Reimplemented from **decaf::util::AbstractQueue< E >** (p. 179).

6.625.3.12 template<typename E> virtual bool decaf::util::PriorityQueue< E >::remove (const E & *value*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException) [inline, virtual]

Removes a single instance of the specified element from this collection, if it is present (optional operation).

More formally, removes the first element e such that e == o, if this collection contains one or more such elements. Returns true if this collection contained the specified element (or equivalently, if this collection changed as a result of the call).

This implementation iterates over the collection looking for the specified element. If it finds the element, it removes the element from the collection using the iterator's remove method.

Note that this implementation throws an UnsupportedOperationException if the iterator returned by this collection's iterator method does not implement the remove method

and this collection contains the specified object.

Parameters

value	- element to be removed from this collection, if present

Returns

true if an element was removed as a result of this call

Exceptions

UnsupportedOperationException	if the remove operation is not supported by this collection.
IllegalArgumentException	If the value is not a valid entry for this **Collection** (p. 1216).

Reimplemented from **decaf::util::AbstractCollection**< **E** > (p. 168).

6.625.3.13 template<typename E> virtual std::size_t decaf::util::PriorityQueue< E >::size ( ) const [inline, virtual]

Returns the number of elements in this collection.

If this collection contains more than Integer.MAX_VALUE elements, returns Integer.MAX_-VALUE.

Returns

the number of elements in this collection

Implements **decaf::util::Collection**< **E** > (p. 1226).

6.625.4 Friends And Related Function Documentation

6.625.4.1 template<typename E> friend class PriorityQueueIterator [friend]

Referenced by decaf::util::PriorityQueue< E >::iterator().

The documentation for this class was generated from the following file:

- src/main/decaf/util/**PriorityQueue.h**

6.626 activemq::commands::ProducerAck Class Reference

```
#include <src/main/activemq/commands/ProducerAck.h>
```

Inheritance diagram for activemq::commands::ProducerAck:

Public Member Functions

- **ProducerAck** ()
- virtual ~**ProducerAck** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ProducerAck** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **ProducerId** > & **getProducerId** () const
- virtual **Pointer**< **ProducerId** > & **getProducerId** ()
- virtual void **setProducerId** (const **Pointer**< **ProducerId** > &**producerId**)
- virtual int **getSize** () const
- virtual void **setSize** (int **size**)
- virtual bool **isProducerAck** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_PRODUCERACK** = 19

Protected Attributes

- **Pointer**< **ProducerId** > **producerId**
- int **size**

6.626.1 Constructor & Destructor Documentation

6.626.1.1 activemq::commands::ProducerAck::ProducerAck ( )

6.626.1.2 virtual activemq::commands::ProducerAck::~ProducerAck ( ) [virtual]

6.626.2 Member Function Documentation

6.626.2.1 virtual ProducerAck* activemq::commands::ProducerAck::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.626.2.2 virtual void activemq::commands::ProducerAck::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.626.2.3 virtual bool activemq::commands::ProducerAck::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.626.2.4 virtual unsigned char activemq::commands::ProducerAck::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.626.2.5 virtual const Pointer<ProducerId>& activemq::commands::ProducerAck::getProducerId ( ) const [virtual]

6.626.2.6 virtual Pointer<ProducerId>& activemq::commands::ProducerAck::getProducerId ( ) [virtual]

6.626.2.7 virtual int activemq::commands::ProducerAck::getSize ( ) const [virtual]

6.626.2.8 virtual bool activemq::commands::ProducerAck::isProducerAck ( ) const [inline, virtual]

Returns

an answer of true to the **isProducerAck()** (p. 3127) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 769).

6.626.2.9 virtual void activemq::commands::ProducerAck::setProducerId (const Pointer< ProducerId > & *producerId*) [virtual]

6.626.2.10 virtual void activemq::commands::ProducerAck::setSize (int *size*) [virtual]

6.626.2.11 virtual std::string activemq::commands::ProducerAck::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.626.2.12 virtual Pointer<Command> activemq::commands::ProducerAck::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.626.3 Field Documentation

6.626.3.1 const unsigned char activemq::commands::ProducerAck::ID_-PRODUCERACK = 19 [static]

6.626.3.2 Pointer<ProducerId> activemq::commands::ProducerAck::producerId [protected]

6.626.3.3 int activemq::commands::ProducerAck::size [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ProducerAck.h**

6.627 activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3128).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/ProducerAckMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller:

Public Member Functions

- **ProducerAckMarshaller** ()
- virtual ~**ProducerAckMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.627.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3128). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.627.2 Constructor & Destructor Documentation

6.627.2.1 activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller::ProducerAckMarshaller ( ) [inline]

6.627.2.2 virtual activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller::~ProducerAckMarshaller ( ) [inline, virtual]

6.627.3 Member Function Documentation

6.627.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.627.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.627.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.627.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.627.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.627.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.627.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ProducerAckMarshaller.h**

6.628 activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3133).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/ProducerAckMars`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller:

Public Member Functions

- **ProducerAckMarshaller** ()
- virtual ∼**ProducerAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.628.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3133). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.628.2 Constructor & Destructor Documentation

6.628.2.1 activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller::ProducerAckMarshaller ( ) [inline]

6.628.2.2 virtual activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller::~ProducerAckMarshaller ( ) [inline, virtual]

6.628.3 Member Function Documentation

6.628.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.628.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.628.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.628.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.628.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.628.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.628.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ProducerAckMarshaller.h**

6.629 activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3137).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ProducerAckMars
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller:

Public Member Functions

- **ProducerAckMarshaller** ()
- virtual ∼**ProducerAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.629.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3137). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.629.2 Constructor & Destructor Documentation

6.629.2.1 activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller::ProducerAckMarshaller ( ) [inline]

6.629.2.2 virtual activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller::∼ProducerAckMarshaller ( ) [inline, virtual]

6.629.3 Member Function Documentation

6.629.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.629.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.629.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.629.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.629.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.629.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.629.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ProducerAckMarshaller.h**

6.630 activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3141).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ProducerAckMars
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller:

Public Member Functions

- **ProducerAckMarshaller** ()
- virtual ~**ProducerAckMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.630.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3141). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.630.2 Constructor & Destructor Documentation

6.630.2.1 activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller::ProducerAckMarshaller ( ) [inline]

6.630.2.2 virtual activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller::∼ProducerAckMarshaller ( ) [inline, virtual]

6.630.3 Member Function Documentation

6.630.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.630.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.630.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.630.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.630.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.630.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.630.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ProducerAckMarshaller.h**

6.631 activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3145).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ProducerAckMars
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller:

Public Member Functions

- **ProducerAckMarshaller** ()
- virtual ∼**ProducerAckMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.631.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3145). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.631.2 Constructor & Destructor Documentation

6.631.2.1 activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller::ProducerAckMarshaller ( ) [inline]

6.631.2.2 virtual activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller::~ProducerAckMarshaller ( ) [inline, virtual]

6.631.3 Member Function Documentation

6.631.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.631.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.631.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.631.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.631.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.631.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.631.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ProducerAckMarshaller.h**

6.632 activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3150).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ProducerAckMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller:

Public Member Functions

- **ProducerAckMarshaller** ()
- virtual ~**ProducerAckMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.632.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3150). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.632.2 Constructor & Destructor Documentation

6.632.2.1 activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller::ProducerAckMarshaller ( ) [inline]

6.632.2.2 virtual activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller::~ProducerAckMarshaller ( ) [inline, virtual]

6.632.3 Member Function Documentation

6.632.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.632.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.632.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.632.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.632.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.632.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.632.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ProducerAckMarshaller.h**

6.633 activemq::cmsutil::ProducerCallback Class Reference

Callback for sending a message to a CMS destination.

`#include <src/main/activemq/cmsutil/ProducerCallback.h>`

Inheritance diagram for activemq::cmsutil::ProducerCallback:

Public Member Functions

- virtual ∼**ProducerCallback** ()
- virtual void **doInCms** (**cms::Session** ∗session, **cms::MessageProducer** ∗producer)=0 throw (cms::CMSException)

  Execute an action given a session and producer.

6.633.1 Detailed Description

Callback for sending a message to a CMS destination.

6.633.2 Constructor & Destructor Documentation

6.633.2.1 virtual activemq::cmsutil::ProducerCallback::∼ProducerCallback ( ) [inline, virtual]

6.633.3 Member Function Documentation

6.633.3.1 virtual void activemq::cmsutil::ProducerCallback::doInCms (cms::Session ∗ *session*, cms::MessageProducer ∗ *producer*) throw (cms::CMSException) [pure virtual]

Execute an action given a session and producer.

Parameters

session	the CMS `Session`
producer	the CMS `Producer`

Exceptions

cms::CMSException (p. *1190*)	if thrown by CMS API methods

Implemented in **activemq::cmsutil::CmsTemplate::SendExecutor** (p. 3446).

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**ProducerCallback.h**

6.634 activemq::cmsutil::CmsTemplate::ProducerExecutor Class Reference

`#include <src/main/activemq/cmsutil/CmsTemplate.h>`

Inheritance diagram for activemq::cmsutil::CmsTemplate::ProducerExecutor:

Public Member Functions

- **ProducerExecutor** (**ProducerCallback** ∗**action**, **CmsTemplate** ∗**parent**, **cms::Destination** ∗**destination**)
- virtual ∼**ProducerExecutor** ()
- virtual void **doInCms** (**cms::Session** ∗session) throw (cms::CMSException)

  Execute any number of operations against the supplied CMS session.

- virtual **cms::Destination** ∗ **getDestination** (**cms::Session** ∗session AMQCPP_-UNUSED) throw (cms::CMSException)

Protected Member Functions

- **ProducerExecutor** (const **ProducerExecutor** &)
- **ProducerExecutor** & **operator=** (const **ProducerExecutor** &)

Protected Attributes

- **ProducerCallback** ∗ **action**
- **CmsTemplate** ∗ **parent**
- **cms::Destination** ∗ **destination**

6.634.1 Constructor & Destructor Documentation

6.634.1.1 activemq::cmsutil::CmsTemplate::ProducerExecutor::ProducerExecutor (const ProducerExecutor &) [inline, protected]

6.634.1.2 activemq::cmsutil::CmsTemplate::ProducerExecutor::ProducerExecutor (ProducerCallback * *action*, CmsTemplate * *parent*, cms::Destination * *destination*) [inline]

6.634.1.3 virtual activemq::cmsutil::CmsTemplate::ProducerExecutor::~ProducerExecutor ( ) [inline, virtual]

6.634.2 Member Function Documentation

6.634.2.1 virtual void activemq::cmsutil::CmsTemplate::ProducerExecutor::doInCms (cms::Session * *session*) throw (cms::CMSException) [virtual]

Execute any number of operations against the supplied CMS session.

Parameters

session	the CMS `Session`

Exceptions

cms::CMSException (p. *1190*)	if thrown by CMS API methods

Implements **activemq::cmsutil::SessionCallback** (p. 3476).

6.634.2.2 virtual cms::Destination* activemq::cmsutil::CmsTemplate::ProducerExecutor::getDestination (cms::Session *session *AMQCPP_UNUSED*) throw (cms::CMSException) [inline, virtual]

6.634.2.3 ProducerExecutor& activemq::cmsutil::CmsTemplate::ProducerExecutor::operator= (const ProducerExecutor &) [inline, protected]

6.634.3 Field Documentation

6.634.3.1 ProducerCallback* activemq::cmsutil::CmsTemplate::ProducerExecutor::action [protected]

6.634.3.2 cms::Destination* activemq::cmsutil::CmsTemplate::ProducerExecutor::destination [protected]

6.634.3.3 CmsTemplate* activemq::cmsutil::CmsTemplate::ProducerExecutor::parent [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**CmsTemplate.h**

6.635 activemq::commands::ProducerId Class Reference

`#include <src/main/activemq/commands/ProducerId.h>`

Inheritance diagram for activemq::commands::ProducerId:

Public Types

- typedef **decaf::lang::PointerComparator**< **ProducerId** > **COMPARATOR**

Public Member Functions

- **ProducerId** ()
- **ProducerId** (const **ProducerId** &other)
- **ProducerId** (const **SessionId** &**sessionId**, long long consumerId)
- **ProducerId** (std::string producerId)
- virtual ~**ProducerId** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ProducerId** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ***value**) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- const **Pointer**< **SessionId** > & **getParentId** () const
- void **setProducerSessionKey** (std::string sessionKey)
- virtual const std::string & **getConnectionId** () const
- virtual std::string & **getConnectionId** ()
- virtual void **setConnectionId** (const std::string &**connectionId**)

- virtual long long **getValue** () const
- virtual void **setValue** (long long **value**)
- virtual long long **getSessionId** () const
- virtual void **setSessionId** (long long **sessionId**)
- virtual int **compareTo** (const **ProducerId** &**value**) const
- virtual bool **equals** (const **ProducerId** &**value**) const
- virtual bool **operator==** (const **ProducerId** &**value**) const
- virtual bool **operator**< (const **ProducerId** &**value**) const
- **ProducerId** & **operator=** (const **ProducerId** &other)

Static Public Attributes

- static const unsigned char **ID_PRODUCERID** = 123

Protected Attributes

- std::string **connectionId**
- long long **value**
- long long **sessionId**

6.635.1 Member Typedef Documentation

6.635.1.1 typedef decaf::lang::PointerComparator<ProducerId> activemq::commands::ProducerId::COMPARATOR

6.635.2 Constructor & Destructor Documentation

6.635.2.1 activemq::commands::ProducerId::ProducerId ( )

6.635.2.2 activemq::commands::ProducerId::ProducerId (const ProducerId & *other*)

6.635.2.3 activemq::commands::ProducerId::ProducerId (const SessionId & *sessionId,* long long *consumerId*)

6.635.2.4 activemq::commands::ProducerId::ProducerId (std::string *producerId*)

6.635.2.5 virtual activemq::commands::ProducerId::~ProducerId ( ) [virtual]

6.635.3 Member Function Documentation

6.635.3.1 virtual ProducerId* activemq::commands::ProducerId::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.635.3.2 virtual int activemq::commands::ProducerId::compareTo (const ProducerId & *value*) const [virtual]

6.635.3.3 virtual void activemq::commands::ProducerId::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

6.635.3.4 virtual bool activemq::commands::ProducerId::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

6.635.3.5 virtual bool activemq::commands::ProducerId::equals (const ProducerId & *value*) const [virtual]

6.635.3.6 virtual const std::string& activemq::commands::ProducerId::getConnectionId ( ) const [virtual]

6.635.3.7 virtual std::string& activemq::commands::ProducerId::getConnectionId ( ) [virtual]

6.635.3.8 virtual unsigned char activemq::commands::ProducerId::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.635.3.9 const Pointer<SessionId>& activemq::commands::ProducerId::getParentId ( ) const

6.635.3.10 virtual long long activemq::commands::ProducerId::getSessionId ( ) const [virtual]

6.635.3.11 virtual long long activemq::commands::ProducerId::getValue ( ) const [virtual]

6.635.3.12 virtual bool activemq::commands::ProducerId::operator< (const ProducerId & *value*) const [virtual]

6.635.3.13 ProducerId& activemq::commands::ProducerId::operator= (const ProducerId & *other*)

6.635.3.14 virtual bool activemq::commands::ProducerId::operator== (const ProducerId & *value*) const [virtual]

6.635.3.15 virtual void activemq::commands::ProducerId::setConnectionId (const std::string & *connectionId*) [virtual]

6.635.3.16 void activemq::commands::ProducerId::setProducerSessionKey (std::string *sessionKey*)

6.635.3.17 virtual void activemq::commands::ProducerId::setSessionId (long long *sessionId*) [virtual]

6.635.3.18 virtual void activemq::commands::ProducerId::setValue (long long *value*) [virtual]

6.635.3.19 virtual std::string activemq::commands::ProducerId::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

6.635.4 Field Documentation

6.635.4.1 std::string activemq::commands::ProducerId::connectionId [protected]

6.635.4.2 const unsigned char activemq::commands::ProducerId::ID_-PRODUCERID = 123 [static]

Referenced by activemq::state::CommandVisitorAdapter::processRemoveInfo().

6.635.4.3 long long activemq::commands::ProducerId::sessionId [protected]

6.635.4.4 long long activemq::commands::ProducerId::value [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ProducerId.h**

6.636 activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3161).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/ProducerIdMarsh`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller:

Public Member Functions

- **ProducerIdMarshaller** ()
- virtual ~**ProducerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.636.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3161). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.636.2 Constructor & Destructor Documentation

6.636.2.1 activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller::ProducerIdMarshaller ( ) [inline]

6.636.2.2 virtual activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller::∼ProducerIdMarshaller ( ) [inline, virtual]

6.636.3 Member Function Documentation

6.636.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.636.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.636.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.636.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.636.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.636.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.636.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ProducerIdMarshaller.h**

6.637 activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3165).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/ProducerIdMarsh`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller:

Public Member Functions

- **ProducerIdMarshaller** ()
- virtual ~**ProducerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.637.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3165). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.637.2 Constructor & Destructor Documentation

6.637.2.1 activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller::ProducerIdMarshaller ( ) [inline]

6.637.2.2 virtual activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller::∼ProducerIdMarshaller ( ) [inline, virtual]

6.637.3 Member Function Documentation

6.637.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.637.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.637.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.637.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.637.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.637.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.637.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ProducerIdMarshaller.h**

6.638 activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3169).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/ProducerIdMarsh`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller:

Public Member Functions

- **ProducerIdMarshaller** ()
- virtual ~**ProducerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.638.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3169). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.638.2 Constructor & Destructor Documentation

6.638.2.1 activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller::ProducerIdMarshaller ( ) [inline]

6.638.2.2 virtual activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller::∼ProducerIdMarshaller ( ) [inline, virtual]

6.638.3 Member Function Documentation

6.638.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.638.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.638.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.638.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.638.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.638.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.638.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ProducerIdMarshaller.h**

6.639 activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3173).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/ProducerIdMarsh`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller:

Public Member Functions

- **ProducerIdMarshaller** ()
- virtual ~**ProducerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.639.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3173). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.639.2 Constructor & Destructor Documentation

6.639.2.1 activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller::ProducerIdMarshaller ( ) [inline]

6.639.2.2 virtual activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller::∼ProducerIdMarshaller ( ) [inline, virtual]

6.639.3 Member Function Documentation

6.639.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.639.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.639.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.639.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.639.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.639.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.639.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ProducerIdMarshaller.h**

6.640 activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3177).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/ProducerIdMarsh`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller:

Public Member Functions

- **ProducerIdMarshaller** ()
- virtual ~**ProducerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.640.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3177). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.640.2 Constructor & Destructor Documentation

6.640.2.1 activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller::ProducerIdMarshaller ( ) [inline]

6.640.2.2 virtual activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller::∼ProducerIdMarshaller ( ) [inline, virtual]

6.640.3 Member Function Documentation

6.640.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.640.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.640.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.640.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.640.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.640.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.640.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ProducerIdMarshaller.h**

6.641 activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3181).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/ProducerIdMarsh`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller:

Public Member Functions

- **ProducerIdMarshaller** ()
- virtual ~**ProducerIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.641.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3181). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.641.2 Constructor & Destructor Documentation

6.641.2.1 activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller::ProducerIdMarshaller ( ) [inline]

6.641.2.2 virtual activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller::∼ProducerIdMarshaller ( ) [inline, virtual]

6.641.3 Member Function Documentation

6.641.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.641.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.641.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.641.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.641.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.641.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.641.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ProducerIdMarshaller.h**

6.642 activemq::commands::ProducerInfo Class Reference

`#include <src/main/activemq/commands/ProducerInfo.h>`

Inheritance diagram for activemq::commands::ProducerInfo:

Public Member Functions

- **ProducerInfo** ()
- virtual ~**ProducerInfo** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ProducerInfo** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- **Pointer**< **RemoveInfo** > **createRemoveCommand** () const
- virtual const **Pointer**< **ProducerId** > & **getProducerId** () const
- virtual **Pointer**< **ProducerId** > & **getProducerId** ()
- virtual void **setProducerId** (const **Pointer**< **ProducerId** > &**producerId**)
- virtual const **Pointer**< **ActiveMQDestination** > & **getDestination** () const
- virtual **Pointer**< **ActiveMQDestination** > & **getDestination** ()
- virtual void **setDestination** (const **Pointer**< **ActiveMQDestination** > &**destination**)
- virtual const std::vector< **decaf::lang::Pointer**< **BrokerId** > > & **getBrokerPath** () const
- virtual std::vector< **decaf::lang::Pointer**< **BrokerId** > > & **getBrokerPath** ()
- virtual void **setBrokerPath** (const std::vector< **decaf::lang::Pointer**< **BrokerId** > > &**brokerPath**)
- virtual bool **isDispatchAsync** () const
- virtual void **setDispatchAsync** (bool **dispatchAsync**)
- virtual int **getWindowSize** () const
- virtual void **setWindowSize** (int **windowSize**)
- virtual bool **isProducerInfo** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_PRODUCERINFO** = 6

Protected Attributes

- **Pointer**< **ProducerId** > **producerId**
- **Pointer**< **ActiveMQDestination** > **destination**
- std::vector< **decaf::lang::Pointer**< **BrokerId** > > **brokerPath**
- bool **dispatchAsync**
- int **windowSize**

6.642.1 Constructor & Destructor Documentation

6.642.1.1 activemq::commands::ProducerInfo::ProducerInfo ( )

6.642.1.2 virtual activemq::commands::ProducerInfo::~ProducerInfo ( ) [virtual]

6.642.2 Member Function Documentation

6.642.2.1 virtual ProducerInfo* activemq::commands::ProducerInfo::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.642.2.2 virtual void activemq::commands::ProducerInfo::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.642.2.3 Pointer<RemoveInfo> activemq::commands::ProducerInfo::createRemoveCommand ( ) const

6.642.2.4 virtual bool activemq::commands::ProducerInfo::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.642.2.5 virtual const std::vector< decaf::lang::Pointer<BrokerId> >& activemq::commands::ProducerInfo::getBrokerPath ( ) const [virtual]

6.642.2.6 virtual std::vector< decaf::lang::Pointer<BrokerId> >& activemq::commands::ProducerInfo::getBrokerPath ( ) [virtual]

6.642.2.7 virtual unsigned char activemq::commands::ProducerInfo::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.642.2.8 virtual const Pointer<ActiveMQDestination>& activemq::commands::ProducerInfo::getDestination ( ) const [virtual]

6.642.2.9 virtual Pointer<ActiveMQDestination>& activemq::commands::ProducerInfo::getDestination ( ) [virtual]

6.642.2.10 virtual Pointer<ProducerId>& activemq::commands::ProducerInfo::getProducerId ( ) [virtual]

6.642.2.11 virtual const Pointer<ProducerId>& activemq::commands::ProducerInfo::getProducerId ( ) const [virtual]

6.642.2.12 virtual int activemq::commands::ProducerInfo::getWindowSize ( ) const [virtual]

6.642.2.13 virtual bool activemq::commands::ProducerInfo::isDispatchAsync ( ) const [virtual]

6.642.2.14 virtual bool activemq::commands::ProducerInfo::isProducerInfo ( ) const [inline, virtual]

Returns

an answer of true to the **isProducerInfo()** (p. 3188) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 769).

6.642.2.15 virtual void activemq::commands::ProducerInfo::setBrokerPath (const std::vector< decaf::lang::Pointer< BrokerId > > & *brokerPath*) [virtual]

6.642.2.16 virtual void activemq::commands::ProducerInfo::setDestination (const Pointer< ActiveMQDestination > & *destination*) [virtual]

6.642.2.17 virtual void activemq::commands::ProducerInfo::setDispatchAsync (bool *dispatchAsync*) [virtual]

6.642.2.18 virtual void activemq::commands::ProducerInfo::setProducerId (const Pointer< ProducerId > & *producerId*) [virtual]

6.642.2.19 virtual void activemq::commands::ProducerInfo::setWindowSize (int *windowSize*) [virtual]

6.642.2.20 virtual std::string activemq::commands::ProducerInfo::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.642.2.21 virtual Pointer<Command> activemq::commands::ProducerInfo::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.642.3 Field Documentation

6.642.3.1 std::vector< decaf::lang::Pointer<BrokerId> > activemq::commands::ProducerInfo::brokerPath [protected]

6.642.3.2 Pointer<ActiveMQDestination> activemq::commands::ProducerInfo::destination [protected]

6.642.3.3 bool activemq::commands::ProducerInfo::dispatchAsync [protected]

6.642.3.4 const unsigned char activemq::commands::ProducerInfo::ID_PRODUCERINFO = 6 [static]

6.642.3.5 Pointer<ProducerId> activemq::commands::ProducerInfo::producerId [protected]

6.642.3.6 int activemq::commands::ProducerInfo::windowSize [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ProducerInfo.h**

6.643 activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3190).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/ProducerInfoMarshaller.h`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller:

Public Member Functions

- **ProducerInfoMarshaller** ()
- virtual ~**ProducerInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.643.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3190). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.643.2 Constructor & Destructor Documentation

6.643.2.1 activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller::ProducerInfoMarshaller ( ) [inline]

6.643.2.2 virtual activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller::∼ProducerInfoMarshaller ( ) [inline, virtual]

6.643.3 Member Function Documentation

6.643.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.643.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.643.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.643.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.643.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.643.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.643.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ProducerInfoMarshaller.h**

6.644 activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3194).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/ProducerInfoMarshaller.h
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller:

Public Member Functions

- **ProducerInfoMarshaller** ()
- virtual ~**ProducerInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.644.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3194). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.644.2 Constructor & Destructor Documentation

6.644.2.1 activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller::ProducerInfoMarshaller ( ) [inline]

6.644.2.2 virtual activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller::~ProducerInfoMarshaller ( ) [inline, virtual]

6.644.3 Member Function Documentation

6.644.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.644.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.644.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.644.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.644.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.644.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.644.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ProducerInfoMarshaller.h**

6.645 activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3199).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/ProducerInfoMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller:

Public Member Functions

- **ProducerInfoMarshaller** ()
- virtual ~**ProducerInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.645.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3199). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.645.2 Constructor & Destructor Documentation

6.645.2.1 activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller::ProducerInfoMarshaller ( ) [inline]

6.645.2.2 virtual activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller::~ProducerInfoMarshaller ( ) [inline, virtual]

6.645.3 Member Function Documentation

6.645.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.645.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.645.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.645.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.645.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.645.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.645.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ProducerInfoMarshaller.h**

6.646 activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3203).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/ProducerInfoMar`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller:

Public Member Functions

- **ProducerInfoMarshaller** ()
- virtual ∼**ProducerInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.646.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3203). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.646.2 Constructor & Destructor Documentation

6.646.2.1 activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller::ProducerInfoMarshaller ( ) [inline]

6.646.2.2 virtual activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller::∼ProducerInfoMarshaller ( ) [inline, virtual]

6.646.3 Member Function Documentation

6.646.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.646.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.646.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.646.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.646.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.646.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.646.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ProducerInfoMarshaller.h**

6.647 activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3207).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ProducerInfoMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller:

Public Member Functions

- **ProducerInfoMarshaller** ()
- virtual ~**ProducerInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.647.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3207). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.647.2 Constructor & Destructor Documentation

6.647.2.1 activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller::ProducerInfoMarshaller ( ) [inline]

6.647.2.2 virtual activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller::∼ProducerInfoMarshaller ( ) [inline, virtual]

6.647.3 Member Function Documentation

6.647.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.647.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.647.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.647.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.647.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.647.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.647.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ProducerInfoMarshaller.h**

6.648 activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3211).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ProducerInfoMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller:

Public Member Functions

- **ProducerInfoMarshaller** ()
- virtual ~**ProducerInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.648.1 Detailed Description

Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3211). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.648.2 Constructor & Destructor Documentation

6.648.2.1 activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller::ProducerInfoMarshaller ( ) [inline]

6.648.2.2 virtual activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller::~ProducerInfoMarshaller ( ) [inline, virtual]

6.648.3 Member Function Documentation

6.648.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.648.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.648.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.648.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.648.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.648.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.648.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ProducerInfoMarshaller.h**

6.649 activemq::state::ProducerState Class Reference

```
#include <src/main/activemq/state/ProducerState.h>
```

Public Member Functions

- **ProducerState** (const **Pointer**< **ProducerInfo** > &info)
- virtual ~**ProducerState** ()
- std::string **toString** () const
- const **Pointer**< **ProducerInfo** > & **getInfo** () const
- void **setTransactionState** (const **Pointer**< **TransactionState** > &transactionState)
- **Pointer**< **TransactionState** > **getTransactionState** () const

6.649.1 Constructor & Destructor Documentation

6.649.1.1 activemq::state::ProducerState::ProducerState (const Pointer< ProducerInfo > & *info*)

6.649.1.2 virtual activemq::state::ProducerState::~ProducerState ( ) [virtual]

6.649.2 Member Function Documentation

6.649.2.1 const Pointer<ProducerInfo>& activemq::state::ProducerState::getInfo ( ) const [inline]

6.649.2.2 Pointer<TransactionState> activemq::state::ProducerState::getTransactionState ( ) const

6.649.2.3 void activemq::state::ProducerState::setTransactionState (const Pointer< TransactionState > & *transactionState*)

6.649.2.4 std::string activemq::state::ProducerState::toString ( ) const

The documentation for this class was generated from the following file:

- src/main/activemq/state/**ProducerState.h**

6.650 decaf::util::Properties Class Reference

Java-like properties class for mapping string names to string values.

```
#include <src/main/decaf/util/Properties.h>
```

Public Member Functions

- **Properties** ()
- **Properties** (const **Properties** &src)
- virtual ~**Properties** ()
- **Properties** & **operator=** (const **Properties** &src)

  Assignment Operator.

- bool **isEmpty** () const

  Returns true if the properties object is empty.

- std::size_t **size** () const
- const char * **getProperty** (const std::string &name) const

  Looks up the value for the given property.

- std::string **getProperty** (const std::string &name, const std::string &defaultValue) const

  Looks up the value for the given property.

- std::string **setProperty** (const std::string &name, const std::string &value)

  Sets the value for a given property.

- bool **hasProperty** (const std::string &name) const

  Check to see if the Property exists in the set.

- std::string **remove** (const std::string &name)

  Removes the property with the given name.

- std::vector< std::string > **propertyNames** () const

  Returns an enumeration of all the keys in this property list, including distinct keys in the default property list if a key of the same name has not already been found from the main properties list.

- std::vector< std::pair< std::string, std::string > > **toArray** () const

  Method that serializes the contents of the property map to an array.

- void **copy** (const **Properties** &source)

  *Copies the contents of the given properties object to this one, if the given **Properties** (p. 3216) instance in NULL then this **List** (p. 2409) is not modified.*

- **Properties** * **clone** () const

  Clones this object.

- void **clear** ()

Clears all properties from the map.

- bool **equals** (const **Properties** &source) const

  *Test whether two **Properties** (p. 3216) objects are equivalent.*

- std::string **toString** () const

  *Formats the contents of the **Properties** (p. 3216) Object into a string that can be logged, etc.*

- void **load** (**decaf::io::InputStream** ∗stream) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::NullPointerException)

  Reads a property list (key and element pairs) from the input byte stream.

- void **load** (**decaf::io::Reader** ∗reader) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentExcept decaf::lang::exceptions::NullPointerException)

  Reads a property list (key and element pairs) from the input character stream in a simple line-oriented format.

- void **store** (**decaf::io::OutputStream** ∗out, const std::string &comment) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException)

  *Writes this property list (key and element pairs) in this **Properties** (p. 3216) table to the output stream in a format suitable for loading into a **Properties** (p. 3216) table using the load(InputStream) method.*

- void **store** (**decaf::io::Writer** ∗writer, const std::string &comments) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException)

  *Writes this property list (key and element pairs) in this **Properties** (p. 3216) table to the output character stream in a format that can be read by the load(Reader) method.*

Protected Attributes

- **decaf::lang::Pointer< Properties > defaults**

  Default list used to answer for any keys not found in the properties list, can be filled in by another implementation of this class.

6.650.1 Detailed Description

Java-like properties class for mapping string names to string values. The **Properties** (p. 3216) list contains a key value pair of properties that can be loaded and stored to a stream. Each **Properties** (p. 3216) instance can contain an internal **Properties** (p. 3216) list that contains default values for keys not found in the **Properties** (p. 3216) **List** (p. 2409).

The **Properties** (p. 3216) list if a Thread Safe class, it can be shared amongst objects in multiple threads without the need for additional synchronization.

Since

1.0

6.650.2 Constructor & Destructor Documentation

6.650.2.1 decaf::util::Properties::Properties ( )

6.650.2.2 decaf::util::Properties::Properties (const Properties & *src*)

6.650.2.3 virtual decaf::util::Properties::~Properties ( ) [virtual]

6.650.3 Member Function Documentation

6.650.3.1 void decaf::util::Properties::clear ( )

Clears all properties from the map.

6.650.3.2 Properties* decaf::util::Properties::clone ( ) const

Clones this object.

Returns

a replica of this object.

6.650.3.3 void decaf::util::Properties::copy (const Properties & *source*)

Copies the contents of the given properties object to this one, if the given **Properties** (p. 3216) instance in NULL then this **List** (p. 2409) is not modified.

Parameters

source	The source properties object.

6.650.3.4 bool decaf::util::Properties::equals (const Properties & *source*) const

Test whether two **Properties** (p. 3216) objects are equivalent.

Two **Properties** (p. 3216) Objects are considered equivalent when they each contain the same number of elements and each key / value pair contained within the two are equal.

This comparison does not check the contents of the Defaults instance.

Parameters

source	The **Properties** (p. 3216) object to compare this instance to.

Returns

true if the contents of the two **Properties** (p. 3216) objects are the same.

6.650.3.5 const char* decaf::util::Properties::getProperty (const std::string & *name*) const

Looks up the value for the given property.

Parameters

name	The name of the property to be looked up.

Returns

the value of the property with the given name, if it exists. If it does not exist, returns NULL.

6.650.3.6 std::string decaf::util::Properties::getProperty (const std::string & *name,* const std::string & *defaultValue*) const

Looks up the value for the given property.

Parameters

name	The name of the property to be looked up.
defaultValue	The value to be returned if the given property does not exist.

Returns

The value of the property specified by `name`, if it exists, otherwise the `defaultValue`.

6.650.3.7 bool decaf::util::Properties::hasProperty (const std::string & *name*) const

Check to see if the Property exists in the set.

Parameters

name	The property name to check for in this properties set.

Returns

true if property exists, false otherwise.

6.650.3.8 bool decaf::util::Properties::isEmpty ( ) const

Returns true if the properties object is empty.

Returns

true if empty

6.650.3.9 void decaf::util::Properties::load (decaf::io::InputStream * *stream*) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::NullPointerException)

Reads a property list (key and element pairs) from the input byte stream.

The input stream is in a simple line-oriented format as specified in load(Reader) and is assumed to use the ISO 8859-1 character encoding.

This method does not close the stream upon its return.

Parameters

stream	The stream to read the properties data from.

Exceptions

IOException	if there is an error while reading from the stream.
IllegalArgumentException	if malformed data is found while reading the properties.
NullPointerException	if the passed stream is Null.

6.650.3.10 void decaf::util::Properties::load (decaf::io::Reader * *reader*) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::NullPointerException)

Reads a property list (key and element pairs) from the input character stream in a simple line-oriented format.

Properties (p. 3216) are processed in terms of lines. There are two kinds of line, natural lines and logical lines. A natural line is defined as a line of characters that is terminated either by a set of line terminator characters (

or or

) or by the end of the stream. A natural line may be either a blank line, a comment line, or hold all or some of a key-element pair. A logical line holds all the data of a key-element pair, which may be spread out across several adjacent natural lines by escaping the line terminator sequence with a backslash character \. Note that a comment line cannot be extended in this manner; every natural line that is a comment must have its own comment indicator, as described below. Lines are read from input until the end of the stream is reached.

A natural line that contains only white space characters is considered blank and is

ignored. A comment line has an ASCII '#' or '!' as its first non-white space character; comment lines are also ignored and do not encode key-element information. In addition to line terminators, this format considers the characters space (' '), tab ('), and form feed (') to be white space.

If a logical line is spread across several natural lines, the backslash escaping the line terminator sequence, the line terminator sequence, and any white space at the start of the following line have no affect on the key or element values. The remainder of the discussion of key and element parsing (when loading) will assume all the characters constituting the key and element appear on a single natural line after line continuation characters have been removed. Note that it is not sufficient to only examine the character preceding a line terminator sequence to decide if the line terminator is escaped; there must be an odd number of contiguous backslashes for the line terminator to be escaped. Since the input is processed from left to right, a non-zero even number of 2n contiguous backslashes before a line terminator (or elsewhere) encodes n backslashes after escape processing.

The key contains all of the characters in the line starting with the first non-white space character and up to, but not including, the first unescaped '=', ':', or white space character other than a line terminator. All of these key termination characters may be included in the key by escaping them with a preceding backslash character; for example,

\:\=

would be the two-character key ":=". Line terminator characters can be included using and

escape sequences. Any white space after the key is skipped; if the first non-white space character after the key is '=' or ':', then it is ignored and any white space characters after it are also skipped. All remaining characters on the line become part of the associated element string; if there are no remaining characters, the element is the empty string "". Once the raw character sequences constituting the key and element are identified, escape processing is performed as described above.

As an example, each of the following three lines specifies the key "Truth" and the associated element value "Beauty":

Truth = Beauty Truth:Beauty Truth :Beauty

As another example, the following three lines specify a single property:

fruits apple, banana, pear, \ cantaloupe, watermelon, \ kiwi, mango

The key is "fruits" and the associated element is: "apple, banana, pear, cantaloupe, watermelon, kiwi, mango"

Note that a space appears before each \ so that a space will appear after each comma in the final result; the \, line terminator, and leading white space on the continuation line are merely discarded and are not replaced by one or more other characters.

As a third example, the line:

cheeses

specifies that the key is "cheeses" and the associated element is the empty string "".

Characters in keys and elements can be represented in escape sequences similar to those

used for character and string literals (see §3.3 and §3.10.6 of the Java Language Specification). The differences from the character escape sequences and Unicode escapes used for characters and strings are:

- Octal escapes are not recognized.
- The character sequence **does** not represent a backspace character.
- The method does not treat a backslash character, \, before a non-valid escape character as an error; the backslash is silently dropped. For example, in a C++ string the sequence "\z" would cause a compile time error. In contrast, this method silently drops the backslash. Therefore, this method treats the two character sequence "\b" as equivalent to the single character 'b'.
- Escapes are not necessary for single and double quotes; however, by the rule above, single and double quote characters preceded by a backslash still yield single and double quote characters, respectively.

This method does not close the Reader upon its return.

Parameters

reader	The Reader that provides an character stream as input.

Exceptions

IOException	if there is an error while reading from the stream.
IllegalArgumentException	if malformed data is found while reading the properties.
NullPointerException	if the passed stream is Null.

6.650.3.11 Properties& decaf::util::Properties::operator= (const Properties & *src*)

Assignment Operator.

Parameters

src	The **Properties** (p. 3216) list to copy to this **List** (p. 2409).

Returns

a reference to this **List** (p. 2409) for use in chaining.

6.650.3.12 std::vector<std::string> decaf::util::Properties::propertyNames ( ) const

Returns an enumeration of all the keys in this property list, including distinct keys in the default property list if a key of the same name has not already been found from the main properties list.

Returns

a set of keys in this property list where the key and its corresponding value are strings, including the keys in the default property list.

6.650.3.13 std::string decaf::util::Properties::remove (const std::string & *name*)

Removes the property with the given name.

Parameters

name	The name of the property to remove.

Returns

the previous value of the property if set, or empty string.

6.650.3.14 std::string decaf::util::Properties::setProperty (const std::string & *name,* const std::string & *value*)

Sets the value for a given property.

If the property already exists, overwrites the value.

Parameters

name	The name of the value to be written.
value	The value to be written.

Returns

the old value of the property or empty string if not set.

6.650.3.15 std::size_t decaf::util::Properties::size ( ) const

Returns

The number of **Properties** (p. 3216) in this **Properties** (p. 3216) Object.

6.650.3.16 void decaf::util::Properties::store (decaf::io::OutputStream * *out,* const std::string & *comment*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException)

Writes this property list (key and element pairs) in this **Properties** (p. 3216) table to the output stream in a format suitable for loading into a **Properties** (p. 3216) table using the load(InputStream) method.

Properties (p. 3216) from the defaults table of this **Properties** (p. 3216) table (if any) are not written out by this method.

This method outputs the comments, properties keys and values in the same format as specified in store(Writer), with the following differences:

- The stream is written using the ISO 8859-1 character encoding.
- Characters not in Latin-1 in the comments are written as for their appropriate unicode hexadecimal value xxxx.
- Characters less than and characters greater than in property keys or values are written as for the appropriate hexadecimal value xxxx.

After the entries have been written, the output stream is flushed. The output stream remains open after this method returns.

Parameters

out	The OutputStream instance to write the properties to.
comment	A description of these properties that is written to the output stream.

Exceptions

IOException	if there is an error while writing from the stream.
NullPointerException	if the passed stream is Null.

6.650.3.17 void decaf::util::Properties::store (decaf::io::Writer * *writer*, const std::string & *comments*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException)

Writes this property list (key and element pairs) in this **Properties** (p. 3216) table to the output character stream in a format that can be read by the load(Reader) method.

Properties (p. 3216) from the defaults table of this **Properties** (p. 3216) table (if any) are not written out by this method.

If the comments argument is not empty, then an ASCII # character, the comments string, and a line separator are first written to the output stream. Thus, the comments can serve as an identifying comment. Any one of a line feed ('

'), a carriage return ("), or a carriage return followed immediately by a line feed in comments is replaced by a line separator generated by the Writer and if the next character in comments is not character # or character ! then an ASCII # is written out after that line separator.

Next, a comment line is always written, consisting of an ASCII # character, the current date and time (as if produced by the toString method of **Date** (p. 1719) for the current time), and a line separator as generated by the Writer.

Then every entry in this **Properties** (p. 3216) table is written out, one per line. For each entry the key string is written, then an ASCII =, then the associated element string. For the key, all space characters are written with a preceding \ character. For the element, leading space characters, but not embedded or trailing space characters, are written

with a preceding \ character. The key and element characters #, !, =, and : are written with a preceding backslash to ensure that they are properly loaded.

After the entries have been written, the output stream is flushed. The output stream remains open after this method returns.

Parameters

writer	The Writer instance to use to output the properties.
comments	A description of these properties that is written before writing the properties.

Exceptions

IOException	if there is an error while writing from the stream.
NullPointerException	if the passed stream is Null.

6.650.3.18 std::vector< std::pair< std::string, std::string > > decaf::util::Properties::toArray ( ) const

Method that serializes the contents of the property map to an array.

Returns

list of pairs where the first is the name and the second is the value.

6.650.3.19 std::string decaf::util::Properties::toString ( ) const

Formats the contents of the **Properties** (p. 3216) Object into a string that can be logged, etc.

Returns

string value of this object.

6.650.4 Field Documentation

6.650.4.1 decaf::lang::Pointer<Properties> decaf::util::Properties::defaults [protected]

Default list used to answer for any keys not found in the properties list, can be filled in by another implementation of this class.

The documentation for this class was generated from the following file:

- src/main/decaf/util/**Properties.h**

6.651 decaf::util::logging::PropertiesChangeListener Class Reference

Defines the interface that classes can use to listen for change events on **Properties** (p. 3216).

```
#include <src/main/decaf/util/logging/PropertiesChangeListener.h>
```

Public Member Functions

- virtual ~**PropertiesChangeListener** ()
- virtual void **onPropertiesReset** ()=0

  *Indicates that the **Properties** (p. 3216) have all been reset and should be considered to be back to their default values.*

- virtual void **onPropertyChanged** (const std::string &name, const std::string &oldValue, const std::string &newValue)=0

  Change Event, called when a property is changed, includes the name of the property that was changed along with it old and new values.

6.651.1 Detailed Description

Defines the interface that classes can use to listen for change events on **Properties** (p. 3216).

Since

1.0

6.651.2 Constructor & Destructor Documentation

6.651.2.1 virtual decaf::util::logging::PropertiesChangeListener::~PropertiesChangeListener ( ) [inline, virtual]

6.651.3 Member Function Documentation

6.651.3.1 virtual void decaf::util::logging::PropertiesChangeListener::onPropertiesReset ( ) [pure virtual]

Indicates that the **Properties** (p. 3216) have all been reset and should be considered to be back to their default values.

6.651.3.2 virtual void decaf::util::logging::PropertiesChangeListener::onPropertyChanged (const std::string & *name,* const std::string & *oldValue,* const std::string & *newValue*) [pure virtual]

Change Event, called when a property is changed, includes the name of the property that was changed along with it old and new values.

Parameters

name	The name of the Property that changed.
oldValue	The old Value of the Property.
newValue	The new Value of the Property.

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**PropertiesChangeListener.h**

6.652 decaf::net::ProtocolException Class Reference

`#include <src/main/decaf/net/ProtocolException.h>`

Inheritance diagram for decaf::net::ProtocolException:

Public Member Functions

- **ProtocolException** () throw ()

  Default Constructor.

- **ProtocolException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **ProtocolException** (const **ProtocolException** &ex) throw ()

  Copy Constructor.

- **ProtocolException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **ProtocolException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **ProtocolException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **ProtocolException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**ProtocolException** () throw ()

6.652.1 Constructor & Destructor Documentation

6.652.1.1 decaf::net::ProtocolException::ProtocolException ( ) throw () [inline]

Default Constructor.

6.652.1.2 decaf::net::ProtocolException::ProtocolException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.652.1.3 decaf::net::ProtocolException::ProtocolException (const ProtocolException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.652.1.4 decaf::net::ProtocolException::ProtocolException (const char ∗ *file*, const int *lineNumber*, const std::exception ∗ *cause*, const char ∗ *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.652.1.5 decaf::net::ProtocolException::ProtocolException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.652.1.6 decaf::net::ProtocolException::ProtocolException (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.652.1.7 virtual decaf::net::ProtocolException::~ProtocolException ( ) throw () [inline, virtual]

6.652.2 Member Function Documentation

6.652.2.1 virtual ProtocolException* decaf::net::ProtocolException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new Exception instance that is a copy of this Exception object.

Reimplemented from **decaf::io::IOException** (p. 2212).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**ProtocolException.h**

6.653 decaf::security::PublicKey Class Reference

A public key.

`#include <src/main/decaf/security/PublicKey.h>`

Inheritance diagram for decaf::security::PublicKey:

Public Member Functions

- virtual ~**PublicKey** ()

6.653.1 Detailed Description

A public key. This interface contains no methods or constants. It merely serves to group (and provide type safety for) all public key interfaces.

6.653.2 Constructor & Destructor Documentation

6.653.2.1 virtual decaf::security::PublicKey::~PublicKey ( ) [inline, virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/security/**PublicKey.h**

6.654 decaf::io::PushbackInputStream Class Reference

A **PushbackInputStream** (p. 3231) adds functionality to another input stream, namely the ability to "push back" or "unread" one byte.

`#include <src/main/decaf/io/PushbackInputStream.h>`

Inheritance diagram for decaf::io::PushbackInputStream:

Public Member Functions

- **PushbackInputStream** (**InputStream** *stream, bool **own**=false)

  *Creates a **PushbackInputStream** (p. 3231) and saves its argument, the input stream in, for later use.*

- **PushbackInputStream** (**InputStream** *stream, int bufSize, bool **own**=false) throw (decaf::lang::exceptions::IllegalArgumentException)

*Creates a **PushbackInputStream** (p. 3231) and saves its argument, the input stream in, for later use.*

- virtual ~**PushbackInputStream** ()
- void **unread** (unsigned char value) throw (decaf::io::IOException)

  Pushes back the given byte, the byte is copied to the front of the pushback buffer, future calls to read start reading from the beginning of these pushed back byte.

- void **unread** (const unsigned char *buffer, int size) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  Pushes back the given array of bytes, the bytes are copied to the front of the pushback buffer, future calls to read start reading from the beginning of these pushed back bytes.

- void **unread** (const unsigned char *buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  Pushes back the given array of bytes, the bytes are copied to the front of the pushback buffer, future calls to read start reading from the beginning of these pushed back bytes.

- virtual int **available** () const throw (decaf::io::IOException)

  Indicates the number of bytes available.
  The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.
  The default implementation of this method returns zero.

  Returns

  the number of bytes available on this input stream.

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

- virtual long long **skip** (long long num) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationE)

  Skips over and discards n bytes of data from this input stream.
  The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.
  *The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached. Subclasses are encouraged to provide a more efficient implementation of this method.*

  Parameters

num	*The number of bytes to skip.*

  Returns

  total bytes skipped

Exceptions

IOException (p. 2210)	*if an I/O error occurs.*
UnsupportedOperationException	*if the concrete stream class does not support skipping bytes.*

- virtual void **mark** (int readLimit)

  *Does nothing except throw an **IOException** (p. 2210).*

- virtual void **reset** () throw (decaf::io::IOException)

  *Does nothing except throw an **IOException** (p. 2210).*

- virtual bool **markSupported** () const

  *Does nothing except throw an **IOException** (p. 2210).*

Protected Member Functions

- virtual int **doReadByte** () throw (decaf::io::IOException)
- virtual int **doReadArrayBounded** (unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

6.654.1 Detailed Description

A **PushbackInputStream** (p. 3231) adds functionality to another input stream, namely the ability to "push back" or "unread" one byte. This is useful in situations where it is convenient for a fragment of code to read an indefinite number of data bytes that are delimited by a particular byte value; after reading the terminating byte, the code fragment can "unread" it, so that the next read operation on the input stream will reread the byte that was pushed back. For example, bytes representing the characters constituting an identifier might be terminated by a byte representing an operator character; a method whose job is to read just an identifier can read until it sees the operator and then push the operator back to be re-read.

Since

1.0

6.654.2 Constructor & Destructor Documentation

6.654.2.1 decaf::io::PushbackInputStream::PushbackInputStream (InputStream ∗ *stream*, bool *own* = `false`)

Creates a **PushbackInputStream** (p. 3231) and saves its argument, the input stream in, for later use.

Initially, there is no pushed-back byte.

Parameters

stream	The **InputStream** (p. 2105) instance to wrap.
Boolean	value indicating if this **FilterInputStream** (p. 1950) owns the wrapped stream.

6.654.2.2 decaf::io::PushbackInputStream::PushbackInputStream (InputStream * *stream*, int *bufSize*, bool *own* = `false`) throw (decaf::lang::exceptions::IllegalArgumentException)

Creates a **PushbackInputStream** (p. 3231) and saves its argument, the input stream in, for later use.

Initially, there is no pushed-back byte.

Parameters

stream	The **InputStream** (p. 2105) instance to wrap.
bufSize	The number of byte to allocate for pushback into this stream.
Boolean	value indicating if this **FilterInputStream** (p. 1950) owns the wrapped stream.

Exceptions

IllegalArgumentException	if the bufSize argument is < zero.

6.654.2.3 virtual decaf::io::PushbackInputStream::~PushbackInputStream ( ) `[virtual]`

6.654.3 Member Function Documentation

6.654.3.1 virtual int decaf::io::PushbackInputStream::available ( ) const throw (decaf::io::IOException) `[virtual]`

Indicates the number of bytes available.

The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.

The default implementation of this method returns zero.

Returns

the number of bytes available on this input stream.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Returns the sum of the number of pushed back bytes if any and the amount of bytes available in the underlying stream via a call to available.

Reimplemented from **decaf::io::FilterInputStream** (p. 1953).

6.654.3.2 virtual int decaf::io::PushbackInputStream::doReadArrayBounded (unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException) [protected, virtual]

Reimplemented from **decaf::io::FilterInputStream** (p. 1954).

6.654.3.3 virtual int decaf::io::PushbackInputStream::doReadByte ( ) throw (decaf::io::IOException) [protected, virtual]

Reimplemented from **decaf::io::FilterInputStream** (p. 1954).

6.654.3.4 virtual void decaf::io::PushbackInputStream::mark (int *readLimit*) [virtual]

Does nothing except throw an **IOException** (p. 2210).

Marks the current position in the stream A subsequent call to the reset method repositions this stream at the last marked position so that subsequent reads re-read the same bytes.

If a stream instance reports that marks are supported then the stream will ensure that the same bytes can be read again after the reset method is called so long the readLimit is not reached.

Calling mark on a closed stream instance should have no effect.

The default implementation of this method does nothing.

Parameters

readLimit	The max bytes read before marked position is invalid.

Reimplemented from **decaf::io::FilterInputStream** (p. 1955).

6.654.3.5 virtual bool decaf::io::PushbackInputStream::markSupported ( ) const [inline, virtual]

Does nothing except throw an **IOException** (p. 2210).

Determines if this input stream supports the mark and reset methods.

Whether or not mark and reset are supported is an invariant property of a particular input stream instance.

The default implementation of this method returns false.

Returns

true if this stream instance supports marks

Reimplemented from **decaf::io::FilterInputStream** (p. 1955).

6.654.3.6 virtual void decaf::io::PushbackInputStream::reset ( ) throw (decaf::io::IOException) [virtual]

Does nothing except throw an **IOException** (p. 2210).

Repositions this stream to the position at the time the mark method was last called on this input stream.

If the method markSupported returns true, then: ∗ If the method mark has not been called since the stream was created, or the number of bytes read from the stream since mark was last called is larger than the argument to mark at that last call, then an **IOException** (p. 2210) might be thrown. ∗ If such an **IOException** (p. 2210) is not thrown, then the stream is reset to a state such that all the bytes read since the most recent call to mark (or since the start of the file, if mark has not been called) will be resupplied to subsequent callers of the read method, followed by any bytes that otherwise would have been the next input data as of the time of the call to reset.

If the method markSupported returns false, then: ∗ The call to reset may throw an **IOException** (p. 2210). ∗ If an **IOException** (p. 2210) is not thrown, then the stream is reset to a fixed state that depends on the particular type of the input stream and how it was created. The bytes that will be supplied to subsequent callers of the read method depend on the particular type of the input stream.

The default implementation of this method throws an **IOException** (p. 2210).

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Reimplemented from **decaf::io::FilterInputStream** (p. 1956).

6.654.3.7 virtual long long decaf::io::PushbackInputStream::skip (long long *num*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Skips over and discards n bytes of data from this input stream.

The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions; reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.

The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached.

Subclasses are encouraged to provide a more efficient implementation of this method.

Parameters

num	The number of bytes to skip.

Returns

total bytes skipped

Exceptions

IOException (p. *2210*)	if an I/O error occurs.
UnsupportedOperationException	if the concrete stream class does not support skipping bytes.

This method first skips bytes in the local pushed back buffer before attempting to complete the request by calling the underlying stream skip method with the remainder of bytes that needs to be skipped.

Reimplemented from **decaf::io::FilterInputStream** (p. 1956).

6.654.3.8 void decaf::io::PushbackInputStream::unread (const unsigned char * *buffer*, int *size*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

Pushes back the given array of bytes, the bytes are copied to the front of the pushback buffer, future calls to read start reading from the beginning of these pushed back bytes.

Parameters

buffer	The bytes to copy to the front of push back buffer.
size	The size of the array to be copied.

Exceptions

NullPointerException	if the buffer passed is NULL.
IndexOutOfBoundsException	if the size value given is negative.
IOException (p. *2210*)	if there is not enough space in the pushback buffer or this stream has already been closed.

6.654.3.9 void decaf::io::PushbackInputStream::unread (const unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

Pushes back the given array of bytes, the bytes are copied to the front of the pushback buffer, future calls to read start reading from the beginning of these pushed back bytes.

Parameters

buffer	The bytes to copy to the front of push back buffer.
size	The size of the array to be copied.
offset	The position in the buffer to start copying from.
length	The number of bytes to push back from the passed buffer.

Exceptions

NullPointerException	if the buffer passed is NULL.
IndexOutOfBoundsException	if the offset + length is greater than the buffer size.
IOException *(p. 2210)*	if there is not enough space in the pushback buffer or this stream has already been closed.

6.654.3.10 void decaf::io::PushbackInputStream::unread (unsigned char *value*) throw (decaf::io::IOException)

Pushes back the given byte, the byte is copied to the front of the pushback buffer, future calls to read start reading from the beginning of these pushed back byte.

Parameters

value	The byte that is to be placed at the front of the push back buffer.

Exceptions

IOException *(p. 2210)*	if there is not enough space in the pushback buffer or this stream has already been closed.

The documentation for this class was generated from the following file:

- src/main/decaf/io/**PushbackInputStream.h**

6.655 cms::Queue Class Reference

An interface encapsulating a provider-specific queue name.

```
#include <src/main/cms/Queue.h>
```

Inheritance diagram for cms::Queue:

Public Member Functions

- virtual ~**Queue** ()
- virtual std::string **getQueueName** () const =0 throw (CMSException)

  Gets the name of this queue.

6.655.1 Detailed Description

An interface encapsulating a provider-specific queue name. Messages sent to a **Queue** (p. 3238) are sent to a Single Subscriber on that **Queue** (p. 3238) **Destination** (p. 1776). This allows for Queues to be used as load balances implementing a SEDA based architecture. The length of time that a Provider will store a **Message** (p. 2614) in a **Queue** (p. 3238) is not defined by the CMS API, consult your Provider documentation for this information.

Since

1.0

6.655.2 Constructor & Destructor Documentation

6.655.2.1 virtual cms::Queue::~Queue ( ) [inline, virtual]

6.655.3 Member Function Documentation

6.655.3.1 virtual std::string cms::Queue::getQueueName ( ) const throw (CMSException) [pure virtual]

Gets the name of this queue.

Returns

The queue name.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::commands::ActiveMQQueue** (p. 483).

The documentation for this class was generated from the following file:

- src/main/cms/**Queue.h**

6.656 decaf::util::Queue< E > Class Template Reference

A kind of collection provides advanced operations than other basic collections, such as insertion, extraction, and inspection.

`#include <src/main/decaf/util/Queue.h>`

Inheritance diagram for decaf::util::Queue< E >:

Public Member Functions

- virtual ~**Queue** ()
- virtual bool **offer** (const E &value)=0 throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

  Inserts the specified element into the queue provided that the condition allows such an operation.

- virtual bool **poll** (E &result)=0

  Gets and removes the element in the head of the queue.

- virtual E **remove** ()=0 throw (decaf::lang::exceptions::NoSuchElementException)

  Gets and removes the element in the head of the queue.

- virtual bool **peek** (E &result) const =0

  Gets but not removes the element in the head of the queue.

- virtual E **element** () const =0 throw (decaf::lang::exceptions::NoSuchElementException)

  Gets but not removes the element in the head of the queue.

6.656.1 Detailed Description

template<typename E> class decaf::util::Queue< E >

A kind of collection provides advanced operations than other basic collections, such as insertion, extraction, and inspection. Generally, a queue orders its elements by means of first-in-first-out. While priority queue orders its elements according to a comparator specified or the elements' natural order. Furthermore, a stack orders its elements last-in-first out.

Queue (p. 3239) does not provide blocking queue methods, which will block until the operation of the method is allowed. BlockingQueue interface defines such methods.

Unlike the Java **Queue** (p. 3239) interface the methods of this class cannot return null to indicate that a **Queue** (p. 3239) is empty since null has no meaning for elements such as classes, structs and primitive types and cannot be used in a meaningful way to check for an empty queue. Methods that would have returned null in the Java **Queue** (p. 3239) interface have been altered to return a boolean value indicating if the operation succeeded and take single argument that is a reference to the location where the returned value is to be assigned. This implies that elements in the **Queue** (p. 3239) must be *assignable* in order to utilize these methods.

Since

1.0

6.656.2 Constructor & Destructor Documentation

6.656.2.1 template<typename E > virtual decaf::util::Queue< E >::~Queue ( ) [inline, virtual]

6.656.3 Member Function Documentation

6.656.3.1 template<typename E > virtual E decaf::util::Queue< E >::element ( ) const throw (decaf::lang::exceptions::NoSuchElementException) [pure virtual]

Gets but not removes the element in the head of the queue.

Throws a NoSuchElementException if there is no element in the queue.

Returns

the element in the head of the queue.

Exceptions

NoSuchElementException	if there is no element in the queue.

Implemented in **decaf::util::AbstractQueue< E >** (p. 178).

6.656.3.2 template<typename E > virtual bool decaf::util::Queue< E >::offer (const E & *value*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException) [pure virtual]

Inserts the specified element into the queue provided that the condition allows such an operation.

The method is generally preferable to the collection.add(E), since the latter might throw an exception if the operation fails.

Parameters

value	the specified element to insert into the queue.

Returns

true if the operation succeeds and false if it fails.

Exceptions

NullPointerException	if the **Queue** (p. 3239) implementation does not allow Null values to be inserted into the **Queue** (p. 3239).
IllegalArgumentException	if some property of the specified element prevents it from being added to this queue

Implemented in **decaf::util::concurrent::SynchronousQueue< E >** (p. 3834), and **decaf::util::PriorityQueue< E >** (p. 3121).

Referenced by decaf::util::AbstractQueue< E >::add().

6.656.3.3 template<typename E > virtual bool decaf::util::Queue< E >::peek (E & *result*) const [pure virtual]

Gets but not removes the element in the head of the queue.

The result if successful is assigned to the result parameter.

Parameters

result	Reference to an instance of the contained type to assigned the removed value to.

Returns

true if the element at the head of the queue was removed and assigned to the result parameter.

Implemented in **decaf::util::PriorityQueue< E >** (p. 3122).

Referenced by decaf::util::AbstractQueue< E >::element().

6.656.3.4 template<typename E > virtual bool decaf::util::Queue< E >::poll (E & *result*) [pure virtual]

Gets and removes the element in the head of the queue.

If the operation succeeds the value of the element at the head of the **Queue** (p. 3239) is assigned to the result parameter and the method returns true. If the operation fails the method returns false and the value of the result parameter is undefined.

Parameters

result	Reference to an instance of the contained type to assigned the removed value to.

Returns

true if the element at the head of the queue was removed and assigned to the result parameter.

Implemented in **decaf::util::concurrent::SynchronousQueue**< **E** > (p. 3835), and **decaf::util::PriorityQueue**< **E** > (p. 3122).

Referenced by decaf::util::AbstractQueue< E >::clear(), and decaf::util::AbstractQueue< E >::remove().

6.656.3.5 template<typename E > virtual E decaf::util::Queue< E >::remove ( ) throw (decaf::lang::exceptions::NoSuchElementException) [pure virtual]

Gets and removes the element in the head of the queue.

Throws a NoSuchElementException if there is no element in the queue.

Returns

the element in the head of the queue.

Exceptions

NoSuchElementException	if there is no element in the queue.

Implemented in **decaf::util::AbstractQueue**< **E** > (p. 179), and **decaf::util::PriorityQueue**< **E** > (p. 3123).

The documentation for this class was generated from the following file:

- src/main/decaf/util/**Queue.h**

6.657 cms::QueueBrowser Class Reference

This class implements in interface for browsing the messages in a **Queue** (p. 3238) without removing them.

`#include <src/main/cms/QueueBrowser.h>`

Inheritance diagram for cms::QueueBrowser:

Public Member Functions

- virtual ~**QueueBrowser** ()
- virtual const **Queue** ∗ **getQueue** () const =0 throw (cms::CMSException)
- virtual std::string **getMessageSelector** () const =0 throw (cms::CMSException)
- virtual **cms::MessageEnumeration** ∗ **getEnumeration** ()=0 throw (cms::CMSException)

  *Gets a pointer to an Enumeration object for browsing the Messages currently in the **Queue** (p. 3238) in the order that a client would receive them.*

6.657.1 Detailed Description

This class implements in interface for browsing the messages in a **Queue** (p. 3238) without removing them. To browse the contents of the **Queue** (p. 3238) the client calls the `getEnumeration` method to retrieve a new instance of a **Queue** (p. 3238) Enumerator. The client then calls the hasMoreMessages method of the Enumeration, if it returns true the client can safely call the nextMessage method of the Enumeration instance.

Enumeration∗ enumeration = queueBrowser->**getEnumeration()** (p. 3244);

while(enumeration->hasMoreMessages()) { **cms::Message** (p. 2614)∗ message = enumeration->nextMessage();

// ... Do something with the **Message** (p. 2614).

delete message; }

Since

1.1

6.657.2 Constructor & Destructor Documentation

6.657.2.1 virtual cms::QueueBrowser::~QueueBrowser ( ) [inline, virtual]

6.657.3 Member Function Documentation

6.657.3.1 virtual cms::MessageEnumeration∗ cms::QueueBrowser::getEnumeration ( ) throw (cms::CMSException) [pure virtual]

Gets a pointer to an Enumeration object for browsing the Messages currently in the **Queue** (p. 3238) in the order that a client would receive them.

The pointer returned is owned by the browser and should not be deleted by the client application.

Returns

a pointer to a **Queue** (p. 3238) Enumeration, this Pointer is owned by the **QueueBrowser** (p. 3243) and should not be deleted by the client.

Exceptions

CMSException *(p. 1190)*	if an internal error occurs.

Implemented in **activemq::core::ActiveMQQueueBrowser** (p. 485).

6.657.3.2 virtual std::string cms::QueueBrowser::getMessageSelector ( ) const throw (cms::CMSException) [pure virtual]

Returns

the MessageSelector that is used on when this browser was created or empty string if no selector was present.

Exceptions

CMSException *(p. 1190)*	if an internal error occurs.

Implemented in **activemq::core::ActiveMQQueueBrowser** (p. 485).

6.657.3.3 virtual const Queue* cms::QueueBrowser::getQueue ( ) const throw (cms::CMSException) [pure virtual]

Returns

the **Queue** (p. 3238) that this browser is listening on.

Exceptions

CMSException *(p. 1190)*	if an internal error occurs.

Implemented in **activemq::core::ActiveMQQueueBrowser** (p. 485).

The documentation for this class was generated from the following file:

- src/main/cms/**QueueBrowser.h**

6.658 decaf::util::Random Class Reference

Random (p. 3245) Value Generator which is used to generate a stream of pseudorandom numbers.

`#include <src/main/decaf/util/Random.h>`

Inheritance diagram for decaf::util::Random:

Public Member Functions

- **Random** ()

  Construct a random generator with the current time of day in milliseconds as the initial state.

- **Random** (unsigned long long seed)

  Construct a random generator with the given `seed` as the initial state.

- bool **nextBoolean** ()

  Answers the next pseudo-random, uniformly distributed boolean value generated by this generator.

- double **nextDouble** ()

  Generates a normally distributed random double number between 0.0 inclusively and 1.0 exclusively.

- float **nextFloat** ()

  Generates a normally distributed random float number between 0.0 inclusively and 1.0 exclusively.

- double **nextGaussian** ()

  Pseudo-randomly generates (approximately) a normally distributed `double` value with mean 0.0 and a standard deviation value of `1.0` using the polar method of G.

- int **nextInt** ()

  Generates a uniformly distributed 32-bit `int` value from the this random number sequence.

- int **nextInt** (int n)

  Returns to the caller a new pseudo-random integer value which is uniformly distributed between 0 (inclusively) and the value of `n` (exclusively).

- long long **nextLong** ()

  Generates a uniformly distributed 64-bit `int` value from the this random number sequence.

- virtual void **nextBytes** (std::vector< unsigned char > &buf)

  Modifies the byte array by a random sequence of bytes generated by this random number generator.

- virtual void **nextBytes** (unsigned char *buf, int size)

Modifies the byte array by a random sequence of bytes generated by this random number generator.

- virtual void **setSeed** (unsigned long long seed)

  Modifies the seed using linear congruential formula presented in The Art of Computer Programming, Volume 2, Section 3.2.1.

Protected Member Functions

- virtual int **next** (int bits)

  Answers a pseudo-random uniformly distributed `int` *value of the number of bits specified by the argument* `bits` *as described by Donald E.*

6.658.1 Detailed Description

Random (p. 3245) Value Generator which is used to generate a stream of pseudorandom numbers. The algorithms implemented by class **Random** (p. 3245) use a protected utility method that on each invocation can supply up to 32 pseudorandomly generated bits.

Since

1.0

6.658.2 Constructor & Destructor Documentation

6.658.2.1 decaf::util::Random::Random ( )

Construct a random generator with the current time of day in milliseconds as the initial state.

See also

setSeed (p. 3251)

6.658.2.2 decaf::util::Random::Random (unsigned long long *seed*)

Construct a random generator with the given `seed` as the initial state.

Parameters

seed	the seed that will determine the initial state of this random number generator

See also

setSeed (p. 3251)

6.658.3 Member Function Documentation

6.658.3.1 virtual int decaf::util::Random::next (int *bits*) [protected, virtual]

Answers a pseudo-random uniformly distributed `int` value of the number of bits specified by the argument `bits` as described by Donald E.

Knuth in *The Art of Computer Programming, Volume 2: Seminumerical Algorithms*, section 3.2.1.

Returns

int a pseudo-random generated int number

Parameters

bits	number of bits of the returned value

See also

nextBytes (p. 3249)
nextDouble (p. 3249)
nextFloat (p. 3249)
nextInt() (p. 3250)
nextInt(int) (p. 3250)
nextGaussian (p. 3249)
nextLong (p. 3250)

Reimplemented in **decaf::security::SecureRandom** (p. 3427).

6.658.3.2 bool decaf::util::Random::nextBoolean ( )

Answers the next pseudo-random, uniformly distributed boolean value generated by this generator.

Returns

boolean a pseudo-random, uniformly distributed boolean value

6.658.3.3 virtual void decaf::util::Random::nextBytes (unsigned char * *buf*, int *size*) [virtual]

Modifies the byte array by a random sequence of bytes generated by this random number generator.

Parameters

buf	non-null array to contain the new random bytes

See also

next (p. 3247)

Exceptions

NullPointerException	if buff is NULL
IllegalArgumentException	if size is negative

Reimplemented in **decaf::security::SecureRandom** (p. 3427).

6.658.3.4 virtual void decaf::util::Random::nextBytes (std::vector< unsigned char > & *buf*) [virtual]

Modifies the byte array by a random sequence of bytes generated by this random number generator.

Parameters

buf	non-null array to contain the new random bytes

See also

next (p. 3247)

Reimplemented in **decaf::security::SecureRandom** (p. 3428).

6.658.3.5 double decaf::util::Random::nextDouble ( )

Generates a normally distributed random double number between 0.0 inclusively and 1.0 exclusively.

Returns

double

See also

nextFloat (p. 3249)

6.658.3.6 float decaf::util::Random::nextFloat ( )

Generates a normally distributed random float number between 0.0 inclusively and 1.0 exclusively.

Returns

float a random float number between 0.0 and 1.0

See also

nextDouble (p. 3249)

6.658.3.7 double decaf::util::Random::nextGaussian ( )

Pseudo-randomly generates (approximately) a normally distributed `double` value with mean 0.0 and a standard deviation value of `1.0` using the *polar method* of G.

E. P. Box, M. E. Muller, and G. Marsaglia, as described by Donald E. Knuth in *The Art of Computer Programming, Volume 2: Seminumerical Algorithms*, section 3.4.1, subsection C, algorithm P

Returns

double

See also

nextDouble (p. 3249)

6.658.3.8 int decaf::util::Random::nextInt ( )

Generates a uniformly distributed 32-bit `int` value from the this random number sequence.

Returns

int uniformly distributed `int` value

See also

next (p. 3247)
nextLong (p. 3250)

6.658.3.9 int decaf::util::Random::nextInt (int *n*)

Returns to the caller a new pseudo-random integer value which is uniformly distributed between 0 (inclusively) and the value of `n` (exclusively).

Parameters

n	The int value that defines the max value of the return.

Returns

the next pseudo random int value.

Exceptions

IllegalArgumentException	if n is less than or equal to zero.

6.658.3.10 long long decaf::util::Random::nextLong ( )

Generates a uniformly distributed 64-bit `int` value from the this random number sequence.

Returns

64-bit `int` random number

See also

next (p. 3247)
nextInt() (p. 3250)
nextInt(int) (p. 3250)

6.658.3.11 virtual void decaf::util::Random::setSeed (unsigned long long *seed*) [virtual]

Modifies the seed using linear congruential formula presented in *The Art of Computer Programming, Volume 2*, Section 3.2.1.

Parameters

seed	the seed that alters the state of the random number generator

See also

next (p. 3247)
Random() (p. 3247)
#Random(long)

Reimplemented in **decaf::security::SecureRandom** (p. 3429).

The documentation for this class was generated from the following file:

- src/main/decaf/util/**Random.h**

6.659 decaf::lang::Readable Class Reference

A **Readable** (p. 3251) is a source of characters.

`#include <src/main/decaf/lang/Readable.h>`

Inheritance diagram for decaf::lang::Readable:

Public Member Functions

- virtual ~**Readable** ()
- virtual int **read** (**decaf::nio::CharBuffer** *charBuffer)=0 throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::nio::ReadOnlyBufferException)

  Attempts to read characters into the specified character buffer.

6.659.1 Detailed Description

A **Readable** (p. 3251) is a source of characters. Characters from a **Readable** (p. 3251) are made available to callers of the read method via a CharBuffer.

Since

1.0

6.659.2 Constructor & Destructor Documentation

6.659.2.1 virtual decaf::lang::Readable::~Readable ( ) [inline, virtual]

6.659.3 Member Function Documentation

6.659.3.1 virtual int decaf::lang::Readable::read (decaf::nio::CharBuffer * *charBuffer*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::nio::ReadOnlyBufferException) [pure virtual]

Attempts to read characters into the specified character buffer.

The buffer is used as a repository of characters as-is: the only changes made are the results of a put operation. No flipping or rewinding of the buffer is performed.

Parameters

charBuffer	The Buffer to read Characters into.

Returns

The number of char values added to the buffer, or -1 if this source of characters is at its end

Exceptions

IOException	- if an I/O error occurs
NullPointerException	- if buffer is NULL.
ReadOnlyBufferException	- if charBuffer is a read only buffer

Implemented in **decaf::io::Reader** (p. 3258).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Readable.h**

6.660 activemq::transport::inactivity::ReadChecker Class Reference

Runnable class that is used by the {.

`#include <src/main/activemq/transport/inactivity/ReadChecker.h>`

Inheritance diagram for activemq::transport::inactivity::ReadChecker:

Public Member Functions

- **ReadChecker** (**InactivityMonitor** ∗parent)
- virtual ∼**ReadChecker** ()
- virtual void **run** ()

  Run method - called by the Thread class in the context of the thread.

6.660.1 Detailed Description

Runnable class that is used by the {.

See also

InactivityMonitor (p. 2065)} class the check for timeouts related to **transport** (p. 99) reads.

Since

3.1

6.660.2 Constructor & Destructor Documentation

6.660.2.1 activemq::transport::inactivity::ReadChecker::ReadChecker (InactivityMonitor * *parent*)

6.660.2.2 virtual activemq::transport::inactivity::ReadChecker::~ReadChecker ( ) [virtual]

6.660.3 Member Function Documentation

6.660.3.1 virtual void activemq::transport::inactivity::ReadChecker::run ( ) [virtual]

Run method - called by the Thread class in the context of the thread.

Implements **decaf::lang::Runnable** (p. 3419).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/inactivity/**ReadChecker.h**

6.661 decaf::io::Reader Class Reference

`#include <src/main/decaf/io/Reader.h>`

Inheritance diagram for decaf::io::Reader:

Public Member Functions

- virtual ~**Reader** ()
- virtual void **mark** (int readAheadLimit) throw (decaf::io::IOException)

  Marks the present position in the stream.

- virtual bool **markSupported** () const

  *Tells whether this stream supports the **mark()** (p. 3256) operation.*

- virtual bool **ready** () const throw (decaf::io::IOException)

  Tells whether this stream is ready to be read.

- virtual void **reset** () throw (decaf::io::IOException)

  Resets the stream.

- virtual long long **skip** (long long count) throw (decaf::io::IOException)

  Skips characters.

- virtual int **read** (std::vector< char > &buffer) throw (decaf::io::IOException)

Reads characters into an array.

- virtual int **read** (char *buffer, int size) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointer)

  Reads characters into an array, the method will attempt to read as much data as the size of the array.

- virtual int **read** (char *buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  Reads characters into a portion of an array.

- virtual int **read** () throw (decaf::io::IOException)

  Reads a single character.

- virtual int **read** (**decaf::nio::CharBuffer** *charBuffer) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::nio::ReadOnlyBufferException)

  Attempts to read characters into the specified character buffer.

Protected Member Functions

- **Reader** ()
- virtual int **doReadArrayBounded** (char *buffer, int size, int offset, int length)=0 throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Override this method to customize the functionality of the method read(unsigned char buffer, int size, int offset, int length).*

- virtual int **doReadVector** (std::vector< char > &buffer) throw (decaf::io::IOException)

  *Override this method to customize the functionality of the method **read(std::vector<char>& buffer)** (p. 3259).*

- virtual int **doReadArray** (char *buffer, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException)

  Override this method to customize the functionality of the method read(char buffer, std::size_t length).*

- virtual int **doReadChar** () throw (decaf::io::IOException)

  *Override this method to customize the functionality of the method **read()** (p. 3257).*

- virtual int **doReadCharBuffer** (**decaf::nio::CharBuffer** *charBuffer) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::nio::ReadOnlyBufferExcep)

  Override this method to customize the functionality of the method read(CharBuffer charBuffer).*

6.661.1 Constructor & Destructor Documentation

6.661.1.1 decaf::io::Reader::Reader ( ) [protected]

6.661.1.2 virtual decaf::io::Reader::~Reader ( ) [virtual]

6.661.2 Member Function Documentation

6.661.2.1 virtual int decaf::io::Reader::doReadArray (char * *buffer,* int *length*) throw (**decaf::io::IOException, decaf::lang::exceptions::NullPointerException**) [protected, virtual]

Override this method to customize the functionality of the method read(char* buffer, std::size_t length).

6.661.2.2 virtual int decaf::io::Reader::doReadArrayBounded (char * *buffer,* int *size,* int *offset,* int *length*) throw (**decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException**) [protected, pure virtual]

Override this method to customize the functionality of the method read(unsigned char* buffer, int size, int offset, int length).

All subclasses must override this method to provide the basic **Reader** (p. 3254) functionality.

Implemented in **decaf::io::InputStreamReader** (p. 2118).

6.661.2.3 virtual int decaf::io::Reader::doReadChar ( ) throw (**decaf::io::IOException**) [protected, virtual]

Override this method to customize the functionality of the method **read()** (p. 3257).

6.661.2.4 virtual int decaf::io::Reader::doReadCharBuffer (**decaf::nio::CharBuffer** * *charBuffer*) throw (**decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::nio::ReadOnlyBufferException**) [protected, virtual]

Override this method to customize the functionality of the method read(CharBuffer* charBuffer).

6.661.2.5 virtual int decaf::io::Reader::doReadVector (std::vector< char > & *buffer*) throw (**decaf::io::IOException**) [protected, virtual]

Override this method to customize the functionality of the method **read(std::vector<char>& buffer)** (p. 3259).

6.661.2.6 virtual void decaf::io::Reader::mark (int *readAheadLimit*) throw (**decaf::io::IOException**) [virtual]

Marks the present position in the stream.

Subsequent calls to **reset()** (p. 3260) will attempt to reposition the stream to this point. Not all character-input streams support the **mark()** (p. 3256) operation.

Parameters

readAhead-Limit	Limit on the number of characters that may be read while still preserving the mark. After reading this many characters, attempting to reset the stream may fail.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs, or the stream does not support mark.

6.661.2.7 virtual bool decaf::io::Reader::markSupported ( ) const [inline, virtual]

Tells whether this stream supports the **mark()** (p. 3256) operation.

The default implementation always returns false. Subclasses should override this method.

Returns

true if and only if this stream supports the mark operation.

6.661.2.8 virtual int decaf::io::Reader::read (char * *buffer,* int *size,* int *offset,* int *length*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::IndexOutOfBoundsException**, **decaf::lang::exceptions::NullPointerException**) [virtual]

Reads characters into a portion of an array.

This method will block until some input is available, an I/O error occurs, or the end of the stream is reached.

Parameters

buffer	The target char buffer.
size	The size in bytes of the target buffer.
offset	The position in the buffer to start filling.
length	The maximum number of bytes to read.

Returns

The number of bytes read or -1 if the end of stream is reached.

Exceptions

IOException *(p. 2210)*	thrown if an I/O error occurs.
NullPointerException	if buffer is NULL.
IndexOutOfBoundsException	if the offset + length is greater than the array size.

6.661.2.9 virtual int decaf::io::Reader::read ( ) throw (decaf::io::IOException) [virtual]

Reads a single character.

This method will block until a character is available, an I/O error occurs, or the end of the stream is reached.

Subclasses that intend to support efficient single-character input should override this method.

Returns

The character read, as an integer in the range 0 to 65535 (0x00-0xffff), or -1 if the end of the stream has been reached.

Exceptions

IOException *(p. 2210)*	thrown if an I/O error occurs.

6.661.2.10 virtual int decaf::io::Reader::read (char * *buffer*, int *size*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException) [virtual]

Reads characters into an array, the method will attempt to read as much data as the size of the array.

This method will block until some input is available, an I/O error occurs, or the end of the stream is reached.

Parameters

buffer	The target char buffer.
size	The size in bytes of the target buffer.

Returns

The number of bytes read or -1 if the end of stream is reached.

Exceptions

IOException (p. *2210*)	thrown if an I/O error occurs.
NullPointerException	if buffer is NULL.

6.661.2.11 virtual int decaf::io::Reader::read (decaf::nio::CharBuffer * *charBuffer*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::nio::ReadOnlyBufferException) [virtual]

Attempts to read characters into the specified character buffer.

The buffer is used as a repository of characters as-is: the only changes made are the results of a put operation. No flipping or rewinding of the buffer is performed.

Parameters

charBuffer	The Buffer to read Characters into.

Returns

The number of char values added to the buffer, or -1 if this source of characters is at its end

Exceptions

IOException (p. *2210*)	- if an I/O error occurs
NullPointerException	- if buffer is NULL.
ReadOnlyBufferException	- if charBuffer is a read only buffer

Implements **decaf::lang::Readable** (p. 3252).

6.661.2.12 virtual int decaf::io::Reader::read (std::vector< char > & *buffer*) throw (decaf::io::IOException) [virtual]

Reads characters into an array.

This method will block until some input is available, an I/O error occurs, or the end of the stream is reached.

Parameters

buffer	The buffer to read characters into.

Returns

The number of characters read, or -1 if the end of the stream has been reached

Exceptions

IOException *(p. 2210)*	thrown if an I/O error occurs.

6.661.2.13 virtual bool decaf::io::Reader::ready ( ) const throw (decaf::io::IOException) [virtual]

Tells whether this stream is ready to be read.

Returns

True if the next **read()** (p. 3257) is guaranteed not to block for input, false otherwise. Note that returning false does not guarantee that the next read will block.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Reimplemented in **decaf::io::InputStreamReader** (p. 2118).

6.661.2.14 virtual void decaf::io::Reader::reset ( ) throw (decaf::io::IOException) [virtual]

Resets the stream.

If the stream has been marked, then attempt to reposition it at the mark. If the stream has not been marked, then attempt to reset it in some way appropriate to the particular stream, for example by repositioning it to its starting point. Not all character-input streams support the **reset()** (p. 3260) operation, and some support **reset()** (p. 3260) without supporting **mark()** (p. 3256).

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

6.661.2.15 virtual long long decaf::io::Reader::skip (long long *count*) throw (decaf::io::IOException) [virtual]

Skips characters.

This method will block until some characters are available, an I/O error occurs, or the end of the stream is reached.

Parameters

count	The number of character to skip.

Returns

the number of Character actually skipped.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

The documentation for this class was generated from the following file:

- src/main/decaf/io/**Reader.h**

6.662 decaf::nio::ReadOnlyBufferException Class Reference

`#include <src/main/decaf/nio/ReadOnlyBufferException.h>`

Inheritance diagram for decaf::nio::ReadOnlyBufferException:

Public Member Functions

- **ReadOnlyBufferException** () throw ()

  Default Constructor.

- **ReadOnlyBufferException** (const **lang::Exception** &ex) throw ()

  Copy Constructor.

- **ReadOnlyBufferException** (const **ReadOnlyBufferException** &ex) throw ()

  Copy Constructor.

- **ReadOnlyBufferException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **ReadOnlyBufferException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **ReadOnlyBufferException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor.

- virtual **ReadOnlyBufferException** ∗ **clone** () const

Clones this exception.

- virtual ~**ReadOnlyBufferException** () throw ()

6.662.1 Constructor & Destructor Documentation

6.662.1.1 decaf::nio::ReadOnlyBufferException::ReadOnlyBufferException ( ) throw () [inline]

Default Constructor.

6.662.1.2 decaf::nio::ReadOnlyBufferException::ReadOnlyBufferException (const lang::Exception & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy

6.662.1.3 decaf::nio::ReadOnlyBufferException::ReadOnlyBufferException (const ReadOnlyBufferException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy, which is an instance of this type

6.662.1.4 decaf::nio::ReadOnlyBufferException::ReadOnlyBufferException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.662.1.5 decaf::nio::ReadOnlyBufferException::ReadOnlyBufferException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.662.1.6 decaf::nio::ReadOnlyBufferException::ReadOnlyBufferException (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw () [inline]

Constructor.

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.662.1.7 virtual decaf::nio::ReadOnlyBufferException::~ReadOnlyBufferException ( ) throw () [inline, virtual]

6.662.2 Member Function Documentation

6.662.2.1 virtual ReadOnlyBufferException* decaf::nio::ReadOnlyBufferException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Reimplemented from **decaf::lang::exceptions::UnsupportedOperationException** (p. 4030).

The documentation for this class was generated from the following file:

- src/main/decaf/nio/**ReadOnlyBufferException.h**

6.663 decaf::util::concurrent::locks::ReadWriteLock Class Reference

A **ReadWriteLock** (p. 3263) maintains a pair of associated locks, one for read-only operations and one for writing.

```
#include <src/main/decaf/util/concurrent/locks/ReadWriteLock.h>
```

Public Member Functions

- virtual ~**ReadWriteLock** ()
- virtual **Lock** & **readLock** ()=0

  Returns the lock used for reading.

- virtual **Lock** & **writeLock** ()=0

  Returns the lock used for writing.

6.663.1 Detailed Description

A **ReadWriteLock** (p. 3263) maintains a pair of associated locks, one for read-only operations and one for writing. The read lock may be held simultaneously by multiple reader threads, so long as there are no writers. The write lock is exclusive.

All **ReadWriteLock** (p. 3263) implementations must guarantee that the memory synchronization effects of writeLock operations (as specified in the **Lock** (p. 2452) interface) also hold with respect to the associated readLock. That is, a thread successfully acquiring the read lock will see all updates made upon previous release of the write lock.

A read-write lock allows for a greater level of concurrency in accessing shared data than that permitted by a mutual exclusion lock. It exploits the fact that while only a single thread at a time (a writer thread) can modify the shared data, in many cases any number of threads can concurrently read the data (hence reader threads). In theory, the increase in concurrency permitted by the use of a read-write lock will lead to performance improvements over the use of a mutual exclusion lock. In practice this increase in concurrency will only be fully realized on a multi-processor, and then only if the access patterns for the shared data are suitable.

Whether or not a read-write lock will improve performance over the use of a mutual exclusion lock depends on the frequency that the data is read compared to being modified, the duration of the read and write operations, and the contention for the data - that is, the number of threads that will try to read or write the data at the same time. For example, a collection that is initially populated with data and thereafter infrequently modified, while being frequently searched (such as a directory of some kind) is an ideal candidate for the use of a read-write lock. However, if updates become frequent then the data spends most of its time being exclusively locked and there is little, if any increase in concurrency. Further, if the read operations are too short the overhead of the read-write lock implementation (which is inherently more complex than a mutual exclusion lock) can dominate the execution cost, particularly as many read-write lock implementations still serialize all threads through a small section of code. Ultimately, only profiling and measurement will establish whether the use of a read-write lock is suitable for your application.

Although the basic operation of a read-write lock is straight-forward, there are many policy decisions that an implementation must make, which may affect the effectiveness of the read-write lock in a given application. Examples of these policies include:

∗ Determining whether to grant the read lock or the write lock, when both readers and

writers are waiting, at the time that a writer releases the write lock. Writer preference is common, as writes are expected to be short and infrequent. Reader preference is less common as it can lead to lengthy delays for a write if the readers are frequent and long-lived as expected. Fair, or "in-order" implementations are also possible. ∗ Determining whether readers that request the read lock while a reader is active and a writer is waiting, are granted the read lock. Preference to the reader can delay the writer indefinitely, while preference to the writer can reduce the potential for concurrency. ∗ Determining whether the locks are reentrant: can a thread with the write lock reacquire it? Can it acquire a read lock while holding the write lock? Is the read lock itself reentrant? ∗ Can the write lock be downgraded to a read lock without allowing an intervening writer? Can a read lock be upgraded to a write lock, in preference to other waiting readers or writers?

You should consider all of these things when evaluating the suitability of a given implementation for your application.

Since

1.0

6.663.2 Constructor & Destructor Documentation

6.663.2.1 virtual decaf::util::concurrent::locks::ReadWriteLock::∼ReadWriteLock ( ) [inline, virtual]

6.663.3 Member Function Documentation

6.663.3.1 virtual Lock& decaf::util::concurrent::locks::ReadWriteLock::readLock ( ) [pure virtual]

Returns the lock used for reading.

Returns

the lock used for reading.

6.663.3.2 virtual Lock& decaf::util::concurrent::locks::ReadWriteLock::writeLock ( ) [pure virtual]

Returns the lock used for writing.

Returns

the lock used for writing.

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/locks/**ReadWriteLock.h**

6.664 activemq::cmsutil::CmsTemplate::ReceiveExecutor Class Reference

`#include <src/main/activemq/cmsutil/CmsTemplate.h>`

Inheritance diagram for activemq::cmsutil::CmsTemplate::ReceiveExecutor:

Public Member Functions

- **ReceiveExecutor** (**CmsTemplate** ∗**parent**, **cms::Destination** ∗**destination**, const std::string &**selector**, bool **noLocal**)
- virtual ∼**ReceiveExecutor** ()
- virtual void **doInCms** (**cms::Session** ∗session) throw (cms::CMSException)

  Execute any number of operations against the supplied CMS session.

- virtual **cms::Destination** ∗ **getDestination** (**cms::Session** ∗session AMQCPP_-UNUSED) throw (cms::CMSException)
- **cms::Message** ∗ **getMessage** ()

Protected Member Functions

- **ReceiveExecutor** (const **ReceiveExecutor** &)
- **ReceiveExecutor** & **operator=** (const **ReceiveExecutor** &)

Protected Attributes

- **cms::Destination** ∗ **destination**
- std::string **selector**
- bool **noLocal**
- **cms::Message** ∗ **message**
- **CmsTemplate** ∗ **parent**

6.664.1 Constructor & Destructor Documentation

6.664.1.1 activemq::cmsutil::CmsTemplate::ReceiveExecutor::ReceiveExecutor (const ReceiveExecutor &) [inline, protected]

6.664.1.2 activemq::cmsutil::CmsTemplate::ReceiveExecutor::ReceiveExecutor (CmsTemplate * *parent*, cms::Destination * *destination*, const std::string & *selector*, bool *noLocal*) [inline]

6.664.1.3 virtual activemq::cmsutil::CmsTemplate::ReceiveExecutor::~ReceiveExecutor ( ) [inline, virtual]

6.664.2 Member Function Documentation

6.664.2.1 virtual void activemq::cmsutil::CmsTemplate::ReceiveExecutor::doInCms (cms::Session * *session*) throw (cms::CMSException) [virtual]

Execute any number of operations against the supplied CMS session.

Parameters

session	the CMS `Session`

Exceptions

cms::CMSException (p. *1190*)	if thrown by CMS API methods

Implements **activemq::cmsutil::SessionCallback** (p. 3476).

6.664.2.2 virtual cms::Destination* activemq::cmsutil::CmsTemplate::ReceiveExecutor::getDestination (cms::Session *session *AMQCPP_UNUSED*) throw (cms::CMSException) [inline, virtual]

6.664.2.3 cms::Message* activemq::cmsutil::CmsTemplate::ReceiveExecutor::getMessage ( ) [inline]

6.664.2.4 ReceiveExecutor& activemq::cmsutil::CmsTemplate::ReceiveExecutor::operator= (const ReceiveExecutor &) [inline, protected]

6.664.3 Field Documentation

6.664.3.1 cms::Destination* activemq::cmsutil::CmsTemplate::ReceiveExecutor::destination [protected]

6.664.3.2 cms::Message* activemq::cmsutil::CmsTemplate::ReceiveExecutor::message [protected]

6.664.3.3 bool activemq::cmsutil::CmsTemplate::ReceiveExecutor::noLocal [protected]

6.664.3.4 CmsTemplate* activemq::cmsutil::CmsTemplate::ReceiveExecutor::parent [protected]

6.664.3.5 std::string activemq::cmsutil::CmsTemplate::ReceiveExecutor::selector [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**CmsTemplate.h**

6.665 activemq::core::RedeliveryPolicy Class Reference

Interface for a **RedeliveryPolicy** (p. 3267) object that controls how message Redelivery is handled in ActiveMQ-CPP when a transaction is rolled back.

```
#include <src/main/activemq/core/RedeliveryPolicy.h>
```

Inheritance diagram for activemq::core::RedeliveryPolicy:

Public Member Functions

- virtual ~**RedeliveryPolicy** ()
- virtual double **getBackOffMultiplier** () const =0
- virtual void **setBackOffMultiplier** (double value)=0

Sets the Back-Off Multiplier for Message Redelivery.

- virtual short **getCollisionAvoidancePercent** () const =0
- virtual void **setCollisionAvoidancePercent** (short value)=0
- virtual long long **getInitialRedeliveryDelay** () const =0

  Gets the initial time that redelivery of messages is delayed.

- virtual void **setInitialRedeliveryDelay** (long long value)=0

  Sets the initial time that redelivery will be delayed.

- virtual int **getMaximumRedeliveries** () const =0

  Gets the Maximum number of allowed redeliveries for a message before it will be discarded by the consumer.

- virtual void **setMaximumRedeliveries** (int maximumRedeliveries)=0

  Sets the Maximum allowable redeliveries for a Message.

- virtual long long **getRedeliveryDelay** (long long previousDelay)=0

  Given the last used redelivery delay calculate the next value of the delay based on the settings in this Policy instance.

- virtual bool **isUseCollisionAvoidance** () const =0
- virtual void **setUseCollisionAvoidance** (bool value)=0
- virtual bool **isUseExponentialBackOff** () const =0
- virtual void **setUseExponentialBackOff** (bool value)=0
- virtual **RedeliveryPolicy** ∗ **clone** () const =0

  Create a copy of this Policy and return it.

- virtual void **configure** (const **decaf::util::Properties** &properties)

  Checks the supplied properties object for properties matching the configurable settings of this class.

Static Public Attributes

- static const long long **NO_MAXIMUM_REDELIVERIES**

Protected Member Functions

- **RedeliveryPolicy** ()

6.665.1 Detailed Description

Interface for a **RedeliveryPolicy** (p. 3267) object that controls how message Redelivery is handled in ActiveMQ-CPP when a transaction is rolled back.

Since

3.2.0

6.665.2 Constructor & Destructor Documentation

6.665.2.1 activemq::core::RedeliveryPolicy::RedeliveryPolicy ( ) [protected]

6.665.2.2 virtual activemq::core::RedeliveryPolicy::∼RedeliveryPolicy ( ) [virtual]

6.665.3 Member Function Documentation

6.665.3.1 virtual RedeliveryPolicy∗ activemq::core::RedeliveryPolicy::clone ( ) const [pure virtual]

Create a copy of this Policy and return it.

Returns

pointer to a new **RedeliveryPolicy** (p. 3267) that is a copy of this one.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1731).

6.665.3.2 virtual void activemq::core::RedeliveryPolicy::configure (const decaf::util::Properties & *properties*) [virtual]

Checks the supplied properties object for properties matching the configurable settings of this class.

The default implementation looks for properties named with the prefix cms.RedeliveryPolicy.XXX where XXX is the name of a property with a public setter method. For instance cms.RedeliveryPolicy.useExponentialBackOff will be used to set the value of the use exponential back off toggle.

Subclasses can override this method to add more configuration options or to exclude certain parameters from being set via the properties object.

Parameters

properties	The Properties object used to configure this object.

Exceptions

NumberFormatException	if a property that is numeric cannot be converted
IllegalArgumentException	if a property can't be converted to the correct type.

6.665.3.3 virtual double activemq::core::RedeliveryPolicy::getBackOffMultiplier ( ) const [pure virtual]

Returns

The value of the Back-Off Multiplier for Message Redelivery.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1732).

6.665.3.4 virtual short activemq::core::RedeliveryPolicy::getCollisionAvoidancePercent ( ) const [pure virtual]

Returns

the currently set Collision Avoidance percentage.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1732).

6.665.3.5 virtual long long activemq::core::RedeliveryPolicy::getInitialRedeliveryDelay ( ) const [pure virtual]

Gets the initial time that redelivery of messages is delayed.

Returns

the time in milliseconds that redelivery is delayed initially.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1732).

6.665.3.6 virtual int activemq::core::RedeliveryPolicy::getMaximumRedeliveries ( ) const [pure virtual]

Gets the Maximum number of allowed redeliveries for a message before it will be discarded by the consumer.

Returns

maximum allowed redeliveries for a message.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1732).

6.665.3.7 virtual long long activemq::core::RedeliveryPolicy::getRedeliveryDelay (long long *previousDelay*) [pure virtual]

Given the last used redelivery delay calculate the next value of the delay based on the settings in this Policy instance.

Parameters

previousDelay	The last delay that was used between message redeliveries.

Returns

the new delay to use before attempting another redelivery.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1732).

6.665.3.8 virtual bool activemq::core::RedeliveryPolicy::isUseCollisionAvoidance ( ) const [pure virtual]

Returns

whether or not collision avoidance is enabled for this Policy.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1733).

6.665.3.9 virtual bool activemq::core::RedeliveryPolicy::isUseExponentialBackOff ( ) const [pure virtual]

Returns

whether or not the exponential back off option is enabled.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1733).

6.665.3.10 virtual void activemq::core::RedeliveryPolicy::setBackOffMultiplier (double *value*) [pure virtual]

Sets the Back-Off Multiplier for Message Redelivery.

Parameters

value	The new value for the back-off multiplier.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1733).

6.665.3.11 virtual void activemq::core::RedeliveryPolicy::setCollisionAvoidancePercent (short *value*) [pure virtual]

Parameters

value	The collision avoidance percentage setting.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1733).

6.665.3.12 virtual void activemq::core::RedeliveryPolicy::setInitialRedeliveryDelay (long long *value*) [pure virtual]

Sets the initial time that redelivery will be delayed.

Parameters

value	Time in Milliseconds to wait before starting redelivery.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1734).

6.665.3.13 virtual void activemq::core::RedeliveryPolicy::setMaximumRedeliveries (int *maximumRedeliveries*) [pure virtual]

Sets the Maximum allowable redeliveries for a Message.

Parameters

maximum-Redeliveries	The maximum number of times that a message will be redelivered.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1734).

6.665.3.14 virtual void activemq::core::RedeliveryPolicy::setUseCollisionAvoidance (bool *value*) [pure virtual]

Parameters

value	Enable or Disable collision avoidance for this Policy.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1734).

6.665.3.15 virtual void activemq::core::RedeliveryPolicy::setUseExponentialBackOff (bool *value*) [pure virtual]

Parameters

value	Enable or Disable the exponential back off multiplier option.

Implemented in **activemq::core::policies::DefaultRedeliveryPolicy** (p. 1734).

6.665.4 Field Documentation

6.665.4.1 const long long activemq::core::RedeliveryPolicy::NO_MAXIMUM_-REDELIVERIES [static]

The documentation for this class was generated from the following file:

- src/main/activemq/core/**RedeliveryPolicy.h**

6.666 decaf::util::concurrent::locks::ReentrantLock Class Reference

A reentrant mutual exclusion **Lock** (p. 2452) with extended capabilities.

`#include <src/main/decaf/util/concurrent/locks/ReentrantLock.h>`

Inheritance diagram for decaf::util::concurrent::locks::ReentrantLock:

Public Member Functions

- **ReentrantLock** ()
- virtual ~**ReentrantLock** ()
- virtual void **lock** () throw (decaf::lang::exceptions::RuntimeException)

  Acquires the lock.

- virtual void **lockInterruptibly** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException)

  Acquires the lock unless the current thread is interrupted.

- virtual bool **tryLock** () throw (decaf::lang::exceptions::RuntimeException)

  Acquires the lock only if it is not held by another thread at the time of invocation.

- virtual bool **tryLock** (long long time, const **TimeUnit** &unit) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException)

  Acquires the lock if it is not held by another thread within the given waiting time and the current thread has not been interrupted.

- virtual void **unlock** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Attempts to release this lock.

- virtual **Condition** * **newCondition** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::UnsupportedOperationException)

  *Returns a **Condition** (p. 1282) instance for use with this **Lock** (p. 2452) instance.*

- int **getHoldCount** () const

  Queries the number of holds on this lock by the current thread.

- bool **isHeldByCurrentThread** () const

  Queries if this lock is held by the current thread.

- bool **isLocked** () const

Queries if this lock is held by any thread.

- bool **isFair** () const

  Returns true if this lock has fairness set true.

- std::string **toString** () const

  Returns a string identifying this lock, as well as its lock state.

6.666.1 Detailed Description

A reentrant mutual exclusion **Lock** (p. 2452) with extended capabilities. A **ReentrantLock** (p. 3273) is owned by the thread last successfully locking, but not yet unlocking it. A thread invoking lock will return, successfully acquiring the lock, when the lock is not owned by another thread. The method will return immediately if the current thread already owns the lock. This can be checked using methods **isHeldByCurrentThread()** (p. 3275), and **getHoldCount()** (p. 3275).

The constructor for this class accepts an optional fairness parameter. When set true, under contention, locks favor granting access to the longest-waiting thread. Otherwise this lock does not guarantee any particular access order. Programs using fair locks accessed by many threads may display lower overall throughput (i.e., are slower; often much slower) than those using the default setting, but have smaller variances in times to obtain locks and guarantee lack of starvation. Note however, that fairness of locks does not guarantee fairness of thread scheduling. Thus, one of many threads using a fair lock may obtain it multiple times in succession while other active threads are not progressing and not currently holding the lock. Also note that the untimed tryLock method does not honor the fairness setting. It will succeed if the lock is available even if other threads are waiting.

It is recommended practice to always immediately follow a call to lock with a try block, most typically in a before/after construction such as:

class X { private:

ReentrantLock (p. 3273) lock; // ...

public:

void m() { lock.lock(); // block until condition holds

try { // ... method body } finally { lock.unlock() } } }

In addition to implementing the **Lock** (p. 2452) interface, this class defines methods isLocked and getLockQueueLength, as well as some associated protected access methods that may be useful for instrumentation and monitoring.

Since

1.0

6.666.2 Constructor & Destructor Documentation

6.666.2.1 decaf::util::concurrent::locks::ReentrantLock::ReentrantLock ( )

6.666.2.2 virtual decaf::util::concurrent::locks::ReentrantLock::~ReentrantLock ( ) [virtual]

6.666.3 Member Function Documentation

6.666.3.1 int decaf::util::concurrent::locks::ReentrantLock::getHoldCount ( ) const

Queries the number of holds on this lock by the current thread.

A thread has a hold on a lock for each lock action that is not matched by an unlock action.

The hold count information is typically only used for testing and debugging purposes. For example, if a certain section of code should not be entered with the lock already held then we can assert that fact:

class X { private:

ReentrantLock (p. 3273) lock; // ...

public:

void m() { assert(lock.getHoldCount() == 0); lock.lock(); try { // ... method body } catch(...) { lock.unlock(); } } }

Returns

the number of holds on this lock by the current thread, or zero if this lock is not held by the current thread

6.666.3.2 bool decaf::util::concurrent::locks::ReentrantLock::isFair ( ) const

Returns true if this lock has fairness set true.

Returns

true if this lock has fairness set true

6.666.3.3 bool decaf::util::concurrent::locks::ReentrantLock::isHeldByCurrentThread ( ) const

Queries if this lock is held by the current thread.

This method is typically used for debugging and testing. For example, a method that should only be called while a lock is held can assert that this is the case:

class X { private: **ReentrantLock** (p. 3273) lock = new **ReentrantLock()** (p. 3275); // ...

public: void m() { assert(lock.isHeldByCurrentThread()); // ... method body } }

It can also be used to ensure that a reentrant lock is used in a non-reentrant manner, for example:

class X { private: **ReentrantLock** (p. 3273) lock = new **ReentrantLock()** (p. 3275); // ...

public: void m() { assert !lock.**isHeldByCurrentThread()** (p. 3275); lock.lock(); try { // ... method body } finally { lock.unlock(); } } }

Returns

true if current thread holds this lock and false otherwise

6.666.3.4 bool decaf::util::concurrent::locks::ReentrantLock::isLocked ( ) const

Queries if this lock is held by any thread.

This method is designed for use in monitoring of the system state, not for synchronization control.

Returns

true if any thread holds this lock and false otherwise

6.666.3.5 virtual void decaf::util::concurrent::locks::ReentrantLock::lock ( ) throw (decaf::lang::exceptions::RuntimeException) [virtual]

Acquires the lock.

Acquires the lock if it is not held by another thread and returns immediately, setting the lock hold count to one.

If the current thread already holds the lock then the hold count is incremented by one and the method returns immediately.

If the lock is held by another thread then the current thread becomes disabled for thread scheduling purposes and lies dormant until the lock has been acquired, at which time the lock hold count is set to one.

Exceptions

RuntimeException	if an error occurs while acquiring the lock.

Implements **decaf::util::concurrent::locks::Lock** (p. 2454).

6.666.3.6 virtual void decaf::util::concurrent::locks::ReentrantLock::lockInterruptibly ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException) [virtual]

Acquires the lock unless the current thread is interrupted.

Acquires the lock if it is not held by another thread and returns immediately, setting the lock hold count to one.

If the current thread already holds this lock then the hold count is incremented by one and the method returns immediately.

If the lock is held by another thread then the current thread becomes disabled for thread scheduling purposes and lies dormant until one of two things happens:

∗ The lock is acquired by the current thread; or ∗ Some other thread interrupts the current thread.

If the lock is acquired by the current thread then the lock hold count is set to one.

If the current thread:

∗ has its interrupted status set on entry to this method; or ∗ is interrupted while acquiring the lock,

then InterruptedException is thrown and the current thread's interrupted status is cleared.

In this implementation, as this method is an explicit interruption point, preference is given to responding to the interrupt over normal or reentrant acquisition of the lock.

Exceptions

RuntimeException	if an error occurs while acquiring the lock.
InterruptedException	if the current thread is interrupted while acquiring the lock (and interruption of lock acquisition is supported).

Implements **decaf::util::concurrent::locks::Lock** (p. 2454).

6.666.3.7 virtual Condition∗ decaf::util::concurrent::locks::ReentrantLock::newCondition ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Returns a **Condition** (p. 1282) instance for use with this **Lock** (p. 2452) instance.

The returned **Condition** (p. 1282) instance supports the same usages as do the **Mutex** (p. 2866) Class' methods (wait, notify, and notifyAll).

∗ If this lock is not held when any of the **Condition** (p. 1282) waiting or signalling methods are called, then an IllegalMonitorStateException is thrown. ∗ When the condition waiting methods are called the lock is released and, before they return, the lock is reacquired and the lock hold count restored to what it was when the method was called. ∗ If a thread is interrupted while waiting then the wait will terminate, an InterruptedException will be thrown, and the thread's interrupted status will be cleared. ∗ Waiting threads are signaled in FIFO order. ∗ The ordering of lock reacquisition for

threads returning from waiting methods is the same as for threads initially acquiring the lock, which is in the default case not specified, but for fair locks favors those threads that have been waiting the longest.

Exceptions

RuntimeException	if an error occurs while creating the **Condition** (p. 1282).
UnsupportedOperationException	if this **Lock** (p. 2452) implementation does not support conditions

Implements **decaf::util::concurrent::locks::Lock** (p. 2455).

6.666.3.8 std::string decaf::util::concurrent::locks::ReentrantLock::toString ( ) const

Returns a string identifying this lock, as well as its lock state.

The state, in brackets, includes either the String "Unlocked" or the String "Locked by" followed by the name of the owning thread.

Returns

a string identifying this lock, as well as its lock state

6.666.3.9 virtual bool decaf::util::concurrent::locks::ReentrantLock::tryLock (long long *time*, const TimeUnit & *unit*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::InterruptedException) [virtual]

Acquires the lock if it is not held by another thread within the given waiting time and the current thread has not been interrupted.

Acquires the lock if it is not held by another thread and returns immediately with the value true, setting the lock hold count to one. If this lock has been set to use a fair ordering policy then an available lock will not be acquired if any other threads are waiting for the lock. This is in contrast to the **tryLock()** (p. 3279) method. If you want a timed tryLock that does permit barging on a fair lock then combine the timed and un-timed forms together:

if (lock.tryLock() || lock.tryLock(timeout, unit)) { ... }

If the current thread already holds this lock then the hold count is incremented by one and the method returns true.

If the lock is held by another thread then the current thread becomes disabled for thread scheduling purposes and lies dormant until one of three things happens:

∗ The lock is acquired by the current thread; or ∗ Some other thread interrupts the current thread; or ∗ The specified waiting time elapses

If the lock is acquired then the value true is returned and the lock hold count is set to one.

If the current thread:

∗ has its interrupted status set on entry to this method; or ∗ is interrupted while acquiring the lock,

then InterruptedException is thrown and the current thread's interrupted status is cleared.

If the specified waiting time elapses then the value false is returned. If the time is less than or equal to zero, the method will not wait at all.

In this implementation, as this method is an explicit interruption point, preference is given to responding to the interrupt over normal or reentrant acquisition of the lock, and over reporting the elapse of the waiting time.

Parameters

time	the maximum time to wait for the lock
unit	the time unit of the time argument

Returns

true if the lock was acquired and false if the waiting time elapsed before the lock was acquired

Exceptions

RuntimeException	if an error occurs while acquiring the lock.
InterruptedException	if the current thread is interrupted while acquiring the lock (and interruption of lock acquisition is supported)

Implements **decaf::util::concurrent::locks::Lock** (p. 2456).

6.666.3.10 virtual bool decaf::util::concurrent::locks::ReentrantLock::tryLock ( ) throw (decaf::lang::exceptions::RuntimeException) [virtual]

Acquires the lock only if it is not held by another thread at the time of invocation.

Acquires the lock if it is not held by another thread and returns immediately with the value true, setting the lock hold count to one. Even when this lock has been set to use a fair ordering policy, a call to **tryLock()** (p. 3279) will immediately acquire the lock if it is available, whether or not other threads are currently waiting for the lock. This "barging" behavior can be useful in certain circumstances, even though it breaks fairness. If you want to honor the fairness setting for this lock, then use tryLock(0, **TimeUnit.SECONDS** (p. 3930)) which is almost equivalent (it also detects interruption).

If the current thread already holds this lock then the hold count is incremented by one and the method returns true.

If the lock is held by another thread then this method will return immediately with the value false.

Returns

true if the lock was acquired and false otherwise

Exceptions

RuntimeException	if an error occurs while acquiring the lock.

Implements **decaf::util::concurrent::locks::Lock** (p. 2457).

6.666.3.11 virtual void decaf::util::concurrent::locks::ReentrantLock::unlock ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [virtual]

Attempts to release this lock.

If the current thread is the holder of this lock then the hold count is decremented. If the hold count is now zero then the lock is released. If the current thread is not the holder of this lock then IllegalMonitorStateException is thrown.

Exceptions

RuntimeException	if an error occurs while acquiring the lock.

Implements **decaf::util::concurrent::locks::Lock** (p. 2457).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/locks/**ReentrantLock.h**

6.667 decaf::util::concurrent::RejectedExecutionException Class Reference

`#include <src/main/decaf/util/concurrent/RejectedExecutionException.h>`

Inheritance diagram for decaf::util::concurrent::RejectedExecutionException:

Public Member Functions

- **RejectedExecutionException** () throw ()

  Default Constructor.

- **RejectedExecutionException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **RejectedExecutionException** (const **RejectedExecutionException** &ex) throw ()

  Copy Constructor.

- **RejectedExecutionException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **RejectedExecutionException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **RejectedExecutionException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **RejectedExecutionException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**RejectedExecutionException** () throw ()

6.667.1 Constructor & Destructor Documentation

6.667.1.1 decaf::util::concurrent::RejectedExecutionException::RejectedExecutionException ( ) throw () [inline]

Default Constructor.

6.667.1.2 decaf::util::concurrent::RejectedExecutionException::RejectedExecutionException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.667.1.3 decaf::util::concurrent::RejectedExecutionException::RejectedExecutionException (const RejectedExecutionException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	- The Exception to copy in this new instance.

6.667.1.4 decaf::util::concurrent::RejectedExecutionException::RejectedExecutionException (const std::exception ∗ *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.667.1.5 decaf::util::concurrent::RejectedExecutionException::RejectedExecutionException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	- The file name where exception occurs
lineNumber	- The line number where the exception occurred.
msg	- The message to report
...	- list of primitives that are formatted into the message

6.667.1.6 decaf::util::concurrent::RejectedExecutionException::RejectedExecutionException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	- The file name where exception occurs
lineNumber	- The line number where the exception occurred.
cause	- The exception that was the cause for this one to be thrown.
msg	- The message to report
...	- list of primitives that are formatted into the message

6.667.1.7 virtual decaf::util::concurrent::RejectedExecutionException::~RejectedExecutionException ( ) throw () [inline, virtual]

6.667.2 Member Function Documentation

6.667.2.1 virtual RejectedExecutionException* decaf::util::concurrent::RejectedExecutionException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception

as well as the message. All subclasses should override.

Returns

A new instance this exception type with a copy the current state.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**RejectedExecutionException.h**

6.668 decaf::util::concurrent::RejectedExecutionHandler Class Reference

A handler for tasks that cannot be executed by a **ThreadPoolExecutor** (p. **??**).

`#include <src/main/decaf/util/concurrent/RejectedExecutionHandler.h>`

Public Member Functions

- virtual ∼**RejectedExecutionHandler** ()
- virtual void **rejectedExecution** (Runnable ∗r, ThreadPoolExecutor ∗executer)=0 throw (RejectedExecutionException)

  *Method that may be invoked by a **ThreadPoolExecutor** (p. **??**) when **execute** (p. **??**) cannot accept a task.*

6.668.1 Detailed Description

A handler for tasks that cannot be executed by a **ThreadPoolExecutor** (p. **??**).

Since

1.0

6.668.2 Constructor & Destructor Documentation

6.668.2.1 virtual decaf::util::concurrent::RejectedExecutionHandler::~RejectedExecutionHandler ( ) [inline, virtual]

6.668.3 Member Function Documentation

6.668.3.1 virtual void decaf::util::concurrent::RejectedExecutionHandler::rejectedExecution (Runnable * *r*, ThreadPoolExecutor * *executer*) throw (RejectedExecutionException) [pure virtual]

Method that may be invoked by a **ThreadPoolExecutor** (p. **??**) when **execute** (p. **??**) cannot accept a task.

This may occur when no more threads or queue slots are available because their bounds would be exceeded, or upon shutdown of the **Executor** (p. 1926).

In the absence of other alternatives, the method may throw an **RejectedExecutionException** (p. 3280), which will be propagated to the caller of **execute** (p. **??**).

Parameters

r	The pointer to the runnable task requested to be executed.
executor	The pointer to the executor attempting to execute this task.

Exceptions

RejectedExecutionException *(p. 3280)*	if there is no remedy.

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**RejectedExecutionHandler.h**

6.669 activemq::commands::RemoveInfo Class Reference

`#include <src/main/activemq/commands/RemoveInfo.h>`

Inheritance diagram for activemq::commands::RemoveInfo:

Public Member Functions

- **RemoveInfo** ()
- virtual ~**RemoveInfo** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **RemoveInfo** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **DataStructure** > & **getObjectId** () const
- virtual **Pointer**< **DataStructure** > & **getObjectId** ()
- virtual void **setObjectId** (const **Pointer**< **DataStructure** > &**objectId**)
- virtual long long **getLastDeliveredSequenceId** () const
- virtual void **setLastDeliveredSequenceId** (long long **lastDeliveredSequenceId**)
- virtual bool **isRemoveInfo** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** ∗visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_REMOVEINFO** = 12

Protected Attributes

- **Pointer**< **DataStructure** > **objectId**
- long long **lastDeliveredSequenceId**

6.669.1 Constructor & Destructor Documentation

6.669.1.1 activemq::commands::RemoveInfo::RemoveInfo ( )

6.669.1.2 virtual activemq::commands::RemoveInfo::~RemoveInfo ( ) [virtual]

6.669.2 Member Function Documentation

6.669.2.1 virtual RemoveInfo* activemq::commands::RemoveInfo::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.669.2.2 virtual void activemq::commands::RemoveInfo::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.669.2.3 virtual bool activemq::commands::RemoveInfo::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.669.2.4 virtual unsigned char activemq::commands::RemoveInfo::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.669.2.5 virtual long long activemq::commands::RemoveInfo::getLastDeliveredSequenceId ( ) const [virtual]

6.669.2.6 virtual const Pointer<DataStructure>& activemq::commands::RemoveInfo::getObjectId ( ) const [virtual]

6.669.2.7 virtual Pointer<DataStructure>& activemq::commands::RemoveInfo::getObjectId ( ) [virtual]

6.669.2.8 virtual bool activemq::commands::RemoveInfo::isRemoveInfo ( ) const [inline, virtual]

Returns

an answer of true to the **isRemoveInfo()** (p. 3286) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 769).

6.669.2.9 virtual void activemq::commands::RemoveInfo::setLastDeliveredSequenceId (long long *lastDeliveredSequenceId*) [virtual]

6.669.2.10 virtual void activemq::commands::RemoveInfo::setObjectId (const Pointer< DataStructure > & *objectId*) [virtual]

6.669.2.11 virtual std::string activemq::commands::RemoveInfo::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.669.2.12 virtual Pointer<Command> activemq::commands::RemoveInfo::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.669.3 Field Documentation

6.669.3.1 const unsigned char activemq::commands::RemoveInfo::ID_-REMOVEINFO = 12 [static]

6.669.3.2 long long activemq::commands::RemoveInfo::lastDeliveredSequenceId [protected]

6.669.3.3 Pointer<DataStructure> activemq::commands::RemoveInfo::objectId [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**RemoveInfo.h**

6.670 activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3288).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/RemoveInfoMarsh
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller:

Public Member Functions

- **RemoveInfoMarshaller** ()
- virtual ~**RemoveInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.670.1 Detailed Description

Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3288). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.670.2 Constructor & Destructor Documentation

6.670.2.1 activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller::RemoveInfoMarshaller ( ) [inline]

6.670.2.2 virtual activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller::~RemoveInfoMarshaller ( ) [inline, virtual]

6.670.3 Member Function Documentation

6.670.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.670.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.670.3.3 virtual void activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.670.3.4 virtual void activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.670.3.5 virtual int activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.670.3.6 virtual void activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.670.3.7 virtual void activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**RemoveInfoMarshaller.h**

6.671 activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3292).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/RemoveInfoMarshaller.h>`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller:

Public Member Functions

- **RemoveInfoMarshaller** ()
- virtual ~**RemoveInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.671.1 Detailed Description

Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3292). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.671.2 Constructor & Destructor Documentation

6.671.2.1 activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller::RemoveInfoMarshaller ( ) [inline]

6.671.2.2 virtual activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller::~RemoveInfoMarshaller ( ) [inline, virtual]

6.671.3 Member Function Documentation

6.671.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.671.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.671.3.3 virtual void activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.671.3.4 virtual void activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.671.3.5 virtual int activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.671.3.6 virtual void activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.671.3.7 virtual void activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**RemoveInfoMarshaller.h**

6.672 activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3296).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/RemoveInfoMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller:

Public Member Functions

- **RemoveInfoMarshaller** ()
- virtual ~**RemoveInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.672.1 Detailed Description

Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3296). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.672.2 Constructor & Destructor Documentation

6.672.2.1 activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller::RemoveInfoMarshaller ( ) [inline]

6.672.2.2 virtual activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller::∼RemoveInfoMarshaller ( ) [inline, virtual]

6.672.3 Member Function Documentation

6.672.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.672.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.672.3.3 virtual void activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.672.3.4 virtual void activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.672.3.5 virtual int activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.672.3.6 virtual void activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.672.3.7 virtual void activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**RemoveInfoMarshaller.h**

6.673 activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3300).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/RemoveInfoMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller:

Public Member Functions

- **RemoveInfoMarshaller** ()
- virtual ~**RemoveInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.673.1 Detailed Description

Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3300). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.673.2 Constructor & Destructor Documentation

6.673.2.1 activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller::RemoveInfoMarshaller ( ) [inline]

6.673.2.2 virtual activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller::∼RemoveInfoMarshaller ( ) [inline, virtual]

6.673.3 Member Function Documentation

6.673.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.673.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.673.3.3 virtual void activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.673.3.4 virtual void activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.673.3.5 virtual int activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.673.3.6 virtual void activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.673.3.7 virtual void activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**RemoveInfoMarshaller.h**

6.674 activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3305).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/RemoveInfoMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller:

Public Member Functions

- **RemoveInfoMarshaller** ()
- virtual ~**RemoveInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.674.1 Detailed Description

Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3305). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.674.2 Constructor & Destructor Documentation

6.674.2.1 activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller::RemoveInfoMarshaller ( ) [inline]

6.674.2.2 virtual activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller::~RemoveInfoMarshaller ( ) [inline, virtual]

6.674.3 Member Function Documentation

6.674.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.674.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.674.3.3 virtual void activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.674.3.4 virtual void activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.674.3.5 virtual int activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.674.3.6 virtual void activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.674.3.7 virtual void activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**RemoveInfoMarshaller.h**

6.675 activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3309).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/RemoveInfoMarsh`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller:

Public Member Functions

- **RemoveInfoMarshaller** ()
- virtual ∼**RemoveInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.675.1 Detailed Description

Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3309). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.675.2 Constructor & Destructor Documentation

6.675.2.1 activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller::RemoveInfoMarshaller ( ) [inline]

6.675.2.2 virtual activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller::~RemoveInfoMarshaller ( ) [inline, virtual]

6.675.3 Member Function Documentation

6.675.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.675.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.675.3.3 virtual void activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.675.3.4 virtual void activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.675.3.5 virtual int activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.675.3.6 virtual void activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.675.3.7 virtual void activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**RemoveInfoMarshaller.h**

6.676 activemq::commands::RemoveSubscriptionInfo Class Reference

`#include <src/main/activemq/commands/RemoveSubscriptionInfo.h>`

Inheritance diagram for activemq::commands::RemoveSubscriptionInfo:

Public Member Functions

- **RemoveSubscriptionInfo** ()
- virtual ~**RemoveSubscriptionInfo** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **RemoveSubscriptionInfo** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **ConnectionId** > & **getConnectionId** () const
- virtual **Pointer**< **ConnectionId** > & **getConnectionId** ()
- virtual void **setConnectionId** (const **Pointer**< **ConnectionId** > &**connectionId**)
- virtual const std::string & **getSubcriptionName** () const

- virtual std::string & **getSubcriptionName** ()
- virtual void **setSubcriptionName** (const std::string &**subcriptionName**)
- virtual const std::string & **getClientId** () const
- virtual std::string & **getClientId** ()
- virtual void **setClientId** (const std::string &**clientId**)
- virtual bool **isRemoveSubscriptionInfo** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_REMOVESUBSCRIPTIONINFO** = 9

Protected Attributes

- **Pointer**< **ConnectionId** > **connectionId**
- std::string **subcriptionName**
- std::string **clientId**

6.676.1 Constructor & Destructor Documentation

6.676.1.1 activemq::commands::RemoveSubscriptionInfo::RemoveSubscriptionInfo ( )

6.676.1.2 virtual activemq::commands::RemoveSubscriptionInfo::~RemoveSubscriptionInfo ( ) [virtual]

6.676.2 Member Function Documentation

6.676.2.1 virtual RemoveSubscriptionInfo* activemq::commands::RemoveSubscriptionInfo::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.676.2.2 virtual void activemq::commands::RemoveSubscriptionInfo::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.676.2.3 virtual bool activemq::commands::RemoveSubscriptionInfo::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.676.2.4 virtual const std::string& activemq::commands::RemoveSubscriptionInfo::getClientId ( ) const [virtual]

6.676.2.5 virtual std::string& activemq::commands::RemoveSubscriptionInfo::getClientId ( ) [virtual]

6.676.2.6 virtual const Pointer<ConnectionId>& activemq::commands::RemoveSubscriptionInfo::getConnectionId ( ) const [virtual]

6.676.2.7 virtual Pointer<ConnectionId>& activemq::commands::RemoveSubscriptionInfo::getConnectionId ( ) [virtual]

6.676.2.8 virtual unsigned char activemq::commands::RemoveSubscriptionInfo::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.676.2.9 virtual const std::string& activemq::commands::RemoveSubscriptionInfo::getSubcriptionName ( ) const [virtual]

6.676.2.10 virtual std::string& activemq::commands::RemoveSubscriptionInfo::getSubcriptionName ( ) [virtual]

6.676.2.11 virtual bool activemq::commands::RemoveSubscriptionInfo::isRemoveSubscriptionInfo ( ) const [inline, virtual]

Returns

an answer of true to the **isRemoveSubscriptionInfo()** (p. 3316) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 769).

6.676.2.12 virtual void activemq::commands::RemoveSubscriptionInfo::setClientId (const std::string & *clientId*) [virtual]

6.676.2.13 virtual void activemq::commands::RemoveSubscriptionInfo::setConnectionId (const Pointer< ConnectionId > & *connectionId*) [virtual]

6.676.2.14 virtual void activemq::commands::RemoveSubscriptionInfo::setSubcriptionName (const std::string & *subcriptionName*) [virtual]

6.676.2.15 virtual std::string activemq::commands::RemoveSubscriptionInfo::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.676.2.16 virtual Pointer<Command> activemq::commands::RemoveSubscriptionInfo::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.676.3 Field Documentation

6.676.3.1 std::string activemq::commands::RemoveSubscriptionInfo::clientId [protected]

6.676.3.2 Pointer<ConnectionId> activemq::commands::RemoveSubscriptionInfo::connectionId [protected]

6.676.3.3 const unsigned char activemq::commands::RemoveSubscriptionInfo::ID_-REMOVESUBSCRIPTIONINFO = 9 [static]

6.676.3.4 std::string activemq::commands::RemoveSubscriptionInfo::subcriptionName [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**RemoveSubscriptionInfo.h**

6.677 activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshalle Class Reference

Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3318).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/RemoveSubscript
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller:

Public Member Functions

- **RemoveSubscriptionInfoMarshaller** ()
- virtual ~**RemoveSubscriptionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.677.1 Detailed Description

Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3318).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.677.2 Constructor & Destructor Documentation

6.677.2.1 activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller::RemoveSubscriptionInfoMarshaller ( ) [inline]

6.677.2.2 virtual activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller::∼RemoveSubscriptionInfoMarshaller ( ) [inline, virtual]

6.677.3 Member Function Documentation

6.677.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.677.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller::getDataStru ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.677.3.3 virtual void activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.677.3.4 virtual void activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.677.3.5 virtual int activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.677.3.6 virtual void activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.677.3.7 virtual void activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**RemoveSubscriptionInfoMarshaller.h**

6.678 activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshalle Class Reference

Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3322).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/RemoveSubscript
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller:

Public Member Functions

- **RemoveSubscriptionInfoMarshaller** ()
- virtual ~**RemoveSubscriptionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.678.1 Detailed Description

Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3322).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.678.2 Constructor & Destructor Documentation

6.678.2.1 activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller::RemoveSubscriptionInfoMarshaller ( ) [inline]

6.678.2.2 virtual activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller::∼RemoveSubscriptionInfoMarshaller ( ) [inline, virtual]

6.678.3 Member Function Documentation

6.678.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.678.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller::getDataStru ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.678.3.3 virtual void activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.678.3.4 virtual void activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.678.3.5 virtual int activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.678.3.6 virtual void activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.678.3.7 virtual void activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**RemoveSubscriptionInfoMarshaller.h**

6.679 activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshalle Class Reference

Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3326).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/RemoveSubscript
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller:

Public Member Functions

- **RemoveSubscriptionInfoMarshaller** ()
- virtual ~**RemoveSubscriptionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.679.1 Detailed Description

Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3326).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.679.2 Constructor & Destructor Documentation

6.679.2.1 activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller::RemoveSubscriptionInfoMarshal ( ) [inline]

6.679.2.2 virtual activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller::~RemoveSubscriptionInf ( ) [inline, virtual]

6.679.3 Member Function Documentation

6.679.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.679.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller::getDataStru ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.679.3.3 virtual void activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.679.3.4 virtual void activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.679.3.5 virtual int activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.679.3.6 virtual void activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.679.3.7 virtual void activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**RemoveSubscriptionInfoMarshaller.h**

6.680 activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3331).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/RemoveSubscriptionInfoMa`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller:

Public Member Functions

- **RemoveSubscriptionInfoMarshaller** ()
- virtual ~**RemoveSubscriptionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.680.1 Detailed Description

Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3331).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.680.2 Constructor & Destructor Documentation

6.680.2.1 activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller::RemoveSubscriptionInfoMarshal ( ) [inline]

6.680.2.2 virtual activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller::~RemoveSubscriptionInf ( ) [inline, virtual]

6.680.3 Member Function Documentation

6.680.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.680.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller::getDataStru ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.680.3.3 virtual void activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.680.3.4 virtual void activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.680.3.5 virtual int activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.680.3.6 virtual void activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.680.3.7 virtual void activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**RemoveSubscriptionInfoMarshaller.h**

6.681 activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3335).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/RemoveSubscriptionInfoMa
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller:

Public Member Functions

- **RemoveSubscriptionInfoMarshaller** ()
- virtual ~**RemoveSubscriptionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.681.1 Detailed Description

Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3335).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.681.2 Constructor & Destructor Documentation

6.681.2.1 activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller::RemoveSubscriptionInfoMarshal ( ) [inline]

6.681.2.2 virtual activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller::∼RemoveSubscriptionInf ( ) [inline, virtual]

6.681.3 Member Function Documentation

6.681.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.681.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller::getDataStru ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.681.3.3 virtual void activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.681.3.4 virtual void activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.681.3.5 virtual int activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.681.3.6 virtual void activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.681.3.7 virtual void activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**RemoveSubscriptionInfoMarshaller.h**

6.682 activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3339).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/RemoveSubscriptionInfoMa
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller:

Public Member Functions

- **RemoveSubscriptionInfoMarshaller** ()
- virtual ~**RemoveSubscriptionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.682.1 Detailed Description

Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3339).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.682.2 Constructor & Destructor Documentation

6.682.2.1 activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller::RemoveSubscriptionInfoMarshal ( ) [inline]

6.682.2.2 virtual activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller::∼RemoveSubscriptionInf ( ) [inline, virtual]

6.682.3 Member Function Documentation

6.682.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.682.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.682.3.3 virtual void activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.682.3.4 virtual void activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.682.3.5 virtual int activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.682.3.6 virtual void activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.682.3.7 virtual void activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**RemoveSubscriptionInfoMarshaller.h**

6.683 activemq::commands::ReplayCommand Class Reference

`#include <src/main/activemq/commands/ReplayCommand.h>`

Inheritance diagram for activemq::commands::ReplayCommand:

Public Member Functions

- **ReplayCommand** ()

- virtual ~**ReplayCommand** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ReplayCommand** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual int **getFirstNakNumber** () const
- virtual void **setFirstNakNumber** (int **firstNakNumber**)
- virtual int **getLastNakNumber** () const
- virtual void **setLastNakNumber** (int **lastNakNumber**)
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_REPLAYCOMMAND** = 65

Protected Attributes

- int **firstNakNumber**
- int **lastNakNumber**

6.683.1 Constructor & Destructor Documentation

6.683.1.1 activemq::commands::ReplayCommand::ReplayCommand ( )

6.683.1.2 virtual activemq::commands::ReplayCommand::~ReplayCommand ( ) [virtual]

6.683.2 Member Function Documentation

6.683.2.1 virtual ReplayCommand* activemq::commands::ReplayCommand::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.683.2.2 virtual void activemq::commands::ReplayCommand::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.683.2.3 virtual bool activemq::commands::ReplayCommand::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.683.2.4 virtual unsigned char activemq::commands::ReplayCommand::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.683.2.5 virtual int activemq::commands::ReplayCommand::getFirstNakNumber ( ) const [virtual]

6.683.2.6 virtual int activemq::commands::ReplayCommand::getLastNakNumber ( ) const [virtual]

6.683.2.7 virtual void activemq::commands::ReplayCommand::setFirstNakNumber (int *firstNakNumber*) [virtual]

6.683.2.8 virtual void activemq::commands::ReplayCommand::setLastNakNumber (int *lastNakNumber*) [virtual]

6.683.2.9 virtual std::string activemq::commands::ReplayCommand::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.683.2.10 virtual Pointer<Command> activemq::commands::ReplayCommand::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.683.3 Field Documentation

6.683.3.1 int activemq::commands::ReplayCommand::firstNakNumber [protected]

6.683.3.2 const unsigned char activemq::commands::ReplayCommand::ID_-REPLAYCOMMAND = 65 [static]

6.683.3.3 int activemq::commands::ReplayCommand::lastNakNumber [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ReplayCommand.h**

6.684 activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3347).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/ReplayCommandMarshaller.`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller:

Public Member Functions

- **ReplayCommandMarshaller** ()
- virtual ∼**ReplayCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.684.1 Detailed Description

Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3347).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.684.2 Constructor & Destructor Documentation

6.684.2.1 activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller::ReplayCommandMarshaller ( ) [inline]

6.684.2.2 virtual activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller::∼ReplayCommandMarshaller ( ) [inline, virtual]

6.684.3 Member Function Documentation

6.684.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.684.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.684.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.684.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.684.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.684.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.684.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ReplayCommandMarshaller.h**

6.685 activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3351).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ReplayCommandMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller:

Public Member Functions

- **ReplayCommandMarshaller** ()
- virtual ~**ReplayCommandMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.685.1 Detailed Description

Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3351).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.685.2 Constructor & Destructor Documentation

6.685.2.1 activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller::ReplayCommandMarshaller ( ) [inline]

6.685.2.2 virtual activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller::∼ReplayCommandMarshaller ( ) [inline, virtual]

6.685.3 Member Function Documentation

6.685.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.685.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.685.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.685.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.685.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.685.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.685.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ReplayCommandMarshaller.h**

6.686 activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3355).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/ReplayCommandMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller:

Public Member Functions

- **ReplayCommandMarshaller** ()
- virtual ~**ReplayCommandMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.686.1 Detailed Description

Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3355). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.686.2 Constructor & Destructor Documentation

6.686.2.1 activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller::ReplayCommandMarshaller ( ) [inline]

6.686.2.2 virtual activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller::~ReplayCommandMarshaller ( ) [inline, virtual]

6.686.3 Member Function Documentation

6.686.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.686.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.686.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.686.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.686.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.686.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.686.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ReplayCommandMarshaller.h**

6.687 activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3360).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/ReplayCommandMa`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller:

Public Member Functions

- **ReplayCommandMarshaller** ()
- virtual ∼**ReplayCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.687.1 Detailed Description

Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3360). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.687.2 Constructor & Destructor Documentation

6.687.2.1 activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller::ReplayCommandMarshaller ( ) [inline]

6.687.2.2 virtual activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller::~ReplayCommandMarshaller ( ) [inline, virtual]

6.687.3 Member Function Documentation

6.687.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.687.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.687.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.687.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.687.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.687.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.687.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ReplayCommandMarshaller.h**

6.688 activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3364).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/ReplayCommandMa`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller:

Public Member Functions

- **ReplayCommandMarshaller** ()
- virtual ∼**ReplayCommandMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.688.1 Detailed Description

Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3364).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.688.2 Constructor & Destructor Documentation

6.688.2.1 activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller::ReplayCommandMarshaller ( ) [inline]

6.688.2.2 virtual activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller::∼ReplayCommandMarshaller ( ) [inline, virtual]

6.688.3 Member Function Documentation

6.688.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.688.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.688.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.688.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.688.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.688.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.688.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ReplayCommandMarshaller.h**

6.689 activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller Class Reference

Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3368).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ReplayCommandMa
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller:

Public Member Functions

- **ReplayCommandMarshaller** ()
- virtual ~**ReplayCommandMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.689.1 Detailed Description

Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3368).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.689.2 Constructor & Destructor Documentation

6.689.2.1 activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller::ReplayCommandMarshaller ( ) [inline]

6.689.2.2 virtual activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller::∼ReplayCommandMarshaller ( ) [inline, virtual]

6.689.3 Member Function Documentation

6.689.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.689.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.689.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.689.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.689.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.689.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.689.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) `[virtual]`

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ReplayCommandMarshaller.h**

6.690 activemq::cmsutil::CmsTemplate::ResolveProducerExecutor Class Reference

`#include <src/main/activemq/cmsutil/CmsTemplate.h>`

Inheritance diagram for activemq::cmsutil::CmsTemplate::ResolveProducerExecutor:

Public Member Functions

- **ResolveProducerExecutor** (**ProducerCallback** ∗**action**, **CmsTemplate** ∗**parent**, const std::string &destinationName)
- virtual ∼**ResolveProducerExecutor** ()
- virtual **cms::Destination** ∗ **getDestination** (**cms::Session** ∗session) throw (cms::CMSException)

Protected Member Functions

- **ResolveProducerExecutor** & **operator=** (const **ResolveProducerExecutor** &)

6.690.1 Constructor & Destructor Documentation

6.690.1.1 activemq::cmsutil::CmsTemplate::ResolveProducerExecutor::ResolveProducerExecutor (ProducerCallback ∗ *action,* CmsTemplate ∗ *parent,* const std::string & *destinationName*) [inline]

6.690.1.2 virtual activemq::cmsutil::CmsTemplate::ResolveProducerExecutor::∼ResolveProducerExecutor ( ) [inline, virtual]

6.690.2 Member Function Documentation

6.690.2.1 virtual cms::Destination∗ activemq::cmsutil::CmsTemplate::ResolveProducerExecutor::getDestination (cms::Session ∗ *session*) throw (cms::CMSException) [virtual]

6.690.2.2 ResolveProducerExecutor& activemq::cmsutil::CmsTemplate::ResolveProducerExecutor::operator= (const ResolveProducerExecutor &) [inline, protected]

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**CmsTemplate.h**

6.691 activemq::cmsutil::CmsTemplate::ResolveReceiveExecutor Class Reference

```
#include <src/main/activemq/cmsutil/CmsTemplate.h>
```

Inheritance diagram for activemq::cmsutil::CmsTemplate::ResolveReceiveExecutor:

Public Member Functions

- **ResolveReceiveExecutor** (**CmsTemplate** ∗**parent**, const std::string &**selector**, bool **noLocal**, const std::string &destinationName)
- virtual ∼**ResolveReceiveExecutor** ()
- virtual **cms::Destination** ∗ **getDestination** (**cms::Session** ∗session) throw (cms::CMSException)

Protected Member Functions

- **ResolveReceiveExecutor** & **operator=** (const **ResolveReceiveExecutor** &)

6.691.1 Constructor & Destructor Documentation

6.691.1.1 activemq::cmsutil::CmsTemplate::ResolveReceiveExecutor::ResolveReceiveExecutor (CmsTemplate ∗ *parent,* const std::string & *selector,* bool *noLocal,* const std::string & *destinationName*) [inline]

6.691.1.2 virtual activemq::cmsutil::CmsTemplate::ResolveReceiveExecutor::∼ResolveReceiveExecutor ( ) [inline, virtual]

6.691.2 Member Function Documentation

6.691.2.1 virtual cms::Destination∗ activemq::cmsutil::CmsTemplate::ResolveReceiveExecutor::getDestination (cms::Session ∗ *session*) throw (cms::CMSException) [virtual]

6.691.2.2 ResolveReceiveExecutor& activemq::cmsutil::CmsTemplate::ResolveReceiveExecutor::operator= (const ResolveReceiveExecutor &) [inline, protected]

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**CmsTemplate.h**

6.692 decaf::internal::util::Resource Class Reference

Interface for all Managed Resources in Decaf, these objects are added to the Runtime System and are destroyed at shutdown.

```
#include <src/main/decaf/internal/util/Resource.h>
```

Inheritance diagram for decaf::internal::util::Resource:

Public Member Functions

- virtual ∼**Resource** ()

6.692.1 Detailed Description

Interface for all Managed Resources in Decaf, these objects are added to the Runtime System and are destroyed at shutdown.

Since

1.0

6.692.2 Constructor & Destructor Documentation

6.692.2.1 virtual decaf::internal::util::Resource::~Resource ( ) [virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/internal/util/**Resource.h**

6.693 decaf::internal::util::ResourceLifecycleManager Class Reference

```
#include <src/main/decaf/internal/util/ResourceLifecycleManager.h>
```

Public Member Functions

- **ResourceLifecycleManager** ()
- virtual ~**ResourceLifecycleManager** ()
- virtual void **addResource** (**Resource** *value)

Protected Member Functions

- virtual void **destroyResources** ()

6.693.1 Detailed Description

Since

1.0

6.693.2 Constructor & Destructor Documentation

6.693.2.1 decaf::internal::util::ResourceLifecycleManager::ResourceLifecycleManager ( )

6.693.2.2 virtual decaf::internal::util::ResourceLifecycleManager::~ResourceLifecycleManager ( ) [virtual]

6.693.3 Member Function Documentation

6.693.3.1 virtual void decaf::internal::util::ResourceLifecycleManager::addResource (Resource * *value*) [virtual]

6.693.3.2 virtual void decaf::internal::util::ResourceLifecycleManager::destroyResources ( ) [protected, virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/internal/util/**ResourceLifecycleManager.h**

6.694 activemq::cmsutil::ResourceLifecycleManager Class Reference

Manages the lifecycle of a set of CMS resources.

`#include <src/main/activemq/cmsutil/ResourceLifecycleManager.h>`

Public Member Functions

- **ResourceLifecycleManager** ()
- virtual ~**ResourceLifecycleManager** ()

  Destructor - calls `destroy`

- void **addConnection** (**cms::Connection** *connection) throw (cms::CMSException)

  Adds a connection so that its life will be managed by this object.

- void **addSession** (**cms::Session** *session) throw (cms::CMSException)

  Adds a session so that its life will be managed by this object.

- void **addDestination** (**cms::Destination** *dest) throw (cms::CMSException)

  Adds a destination so that its life will be managed by this object.

- void **addMessageProducer** (**cms::MessageProducer** *producer) throw (cms::CMSException)

  Adds a message producer so that its life will be managed by this object.

- void **addMessageConsumer** (**cms::MessageConsumer** *consumer) throw (cms::CMSException)

  Adds a message consumer so that its life will be managed by this object.

- void **destroy** () throw (cms::CMSException)

  Closes and destroys the contained CMS resources.

- void **releaseAll** ()

  Releases all of the contained resources so that this object will no longer control their lifetimes.

Protected Member Functions

- **ResourceLifecycleManager** (const **ResourceLifecycleManager** &)
- **ResourceLifecycleManager** & **operator=** (const **ResourceLifecycleManager** &)

6.694.1 Detailed Description

Manages the lifecycle of a set of CMS resources. A call to `destroy` will close and destroy all of the contained resources in the appropriate manner.

6.694.2 Constructor & Destructor Documentation

6.694.2.1 activemq::cmsutil::ResourceLifecycleManager::ResourceLifecycleManager (const ResourceLifecycleManager &) [inline, protected]

6.694.2.2 activemq::cmsutil::ResourceLifecycleManager::ResourceLifecycleManager ( )

6.694.2.3 virtual activemq::cmsutil::ResourceLifecycleManager::~ResourceLifecycleManager ( ) [virtual]

Destructor - calls `destroy`

6.694.3 Member Function Documentation

6.694.3.1 void activemq::cmsutil::ResourceLifecycleManager::addConnection (cms::Connection * *connection*) throw (cms::CMSException)

Adds a connection so that its life will be managed by this object.

Parameters

connection	the object to be managed

6.694.3.2 void activemq::cmsutil::ResourceLifecycleManager::addDestination (cms::Destination * *dest*) throw (cms::CMSException)

Adds a destination so that its life will be managed by this object.

Parameters

dest	the object to be managed

6.694.3.3 void activemq::cmsutil::ResourceLifecycleManager::addMessageConsumer (cms::MessageConsumer * *consumer*) throw (cms::CMSException)

Adds a message consumer so that its life will be managed by this object.

Parameters

consumer	the object to be managed

6.694.3.4 void activemq::cmsutil::ResourceLifecycleManager::addMessageProducer (cms::MessageProducer * *producer*) throw (cms::CMSException)

Adds a message producer so that its life will be managed by this object.

Parameters

producer	the object to be managed

6.694.3.5 void activemq::cmsutil::ResourceLifecycleManager::addSession (cms::Session * *session*) throw (cms::CMSException)

Adds a session so that its life will be managed by this object.

Parameters

session	the object to be managed

6.694.3.6 void activemq::cmsutil::ResourceLifecycleManager::destroy ( ) throw (cms::CMSException)

Closes and destroys the contained CMS resources.

Exceptions

cms::CMSException (p. *1190*)	thrown if an error occurs.

6.694.3.7 ResourceLifecycleManager& activemq::cmsutil::ResourceLifecycleManager::operator= (const ResourceLifecycleManager &) [inline, protected]

6.694.3.8 void activemq::cmsutil::ResourceLifecycleManager::releaseAll ( )

Releases all of the contained resources so that this object will no longer control their lifetimes.

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**ResourceLifecycleManager.h**

6.695 activemq::commands::Response Class Reference

`#include <src/main/activemq/commands/Response.h>`

Inheritance diagram for activemq::commands::Response:

Public Member Functions

- **Response** ()
- virtual ~**Response** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **Response** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual int **getCorrelationId** () const
- virtual void **setCorrelationId** (int **correlationId**)
- virtual bool **isResponse** () const

- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_RESPONSE** = 30

Protected Attributes

- int **correlationId**

6.695.1 Constructor & Destructor Documentation

6.695.1.1 activemq::commands::Response::Response ( )

6.695.1.2 virtual activemq::commands::Response::~Response ( ) [virtual]

6.695.2 Member Function Documentation

6.695.2.1 virtual Response* activemq::commands::Response::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

Reimplemented in **activemq::commands::DataArrayResponse** (p. 1573), **activemq::commands::DataRespo** (p. 1633), **activemq::commands::ExceptionResponse** (p. 1896), and **activemq::commands::IntegerRespons** (p. 2161).

6.695.2.2 virtual void activemq::commands::Response::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

Reimplemented in **activemq::commands::DataArrayResponse** (p. 1573), **activemq::commands::DataResponse** (p. 1633), **activemq::commands::ExceptionResponse** (p. 1896), and **activemq::commands::IntegerResponse** (p. 2161).

6.695.2.3 virtual bool activemq::commands::Response::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

Reimplemented in **activemq::commands::DataArrayResponse** (p. 1573), **activemq::commands::DataResponse** (p. 1633), **activemq::commands::ExceptionResponse** (p. 1896), and **activemq::commands::IntegerResponse** (p. 2161).

6.695.2.4 virtual int activemq::commands::Response::getCorrelationId ( ) const [virtual]

6.695.2.5 virtual unsigned char activemq::commands::Response::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

Reimplemented in **activemq::commands::DataArrayResponse** (p. 1574), **activemq::commands::DataResponse** (p. 1634), **activemq::commands::ExceptionResponse** (p. 1897), and **activemq::commands::IntegerResponse** (p. 2162).

6.695.2.6 virtual bool activemq::commands::Response::isResponse ( ) const [inline, virtual]

Returns

an answer of true to the **isResponse()** (p. 3381) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 769).

6.695.2.7 virtual void activemq::commands::Response::setCorrelationId (int *correlationId*) [virtual]

6.695.2.8 virtual std::string activemq::commands::Response::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

Reimplemented in **activemq::commands::DataArrayResponse** (p. 1574), **activemq::commands::DataRespo** (p. 1634), **activemq::commands::ExceptionResponse** (p. 1897), and **activemq::commands::IntegerRespons** (p. 2162).

6.695.2.9 virtual Pointer<Command> activemq::commands::Response::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.695.3 Field Documentation

6.695.3.1 int activemq::commands::Response::correlationId [protected]

6.695.3.2 const unsigned char activemq::commands::Response::ID_RESPONSE = 30 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**Response.h**

6.696 activemq::transport::mock::ResponseBuilder Class Reference

Interface for all Protocols to implement that defines the behavior of the Broker in response to messages of that protocol.

`#include <src/main/activemq/transport/mock/ResponseBuilder.h>`

Inheritance diagram for activemq::transport::mock::ResponseBuilder:

Public Member Functions

- virtual ~**ResponseBuilder** ()
- virtual **Pointer**< **Response** > **buildResponse** (const **Pointer**< **Command** > &command)=0

  Given a Command, check if it requires a response and return the appropriate Response that the Broker would send for this Command.

- virtual void **buildIncomingCommands** (const **Pointer**< **Command** > &command, **decaf::util::StlQueue**< **Pointer**< **Command** > > &queue)=0

  *When called the **ResponseBuilder** (p. 3382) must construct all the Responses or Asynchronous commands that would be sent to this client by the Broker upon receipt of the passed command.*

6.696.1 Detailed Description

Interface for all Protocols to implement that defines the behavior of the Broker in response to messages of that protocol.

6.696.2 Constructor & Destructor Documentation

6.696.2.1 virtual activemq::transport::mock::ResponseBuilder::~ResponseBuilder ( ) [inline, virtual]

6.696.3 Member Function Documentation

6.696.3.1 virtual void activemq::transport::mock::ResponseBuilder::buildIncomingCommands (const Pointer< Command > & *command*, decaf::util::StlQueue< Pointer< Command > > & *queue*) [pure virtual]

When called the **ResponseBuilder** (p. 3382) must construct all the Responses or Asynchronous commands that would be sent to this client by the Broker upon receipt of the passed command.

Parameters

command	- The Command being sent to the Broker.
queue	- Queue of Command sent back from the broker.

Implemented in **activemq::wireformat::openwire::OpenWireResponseBuilder** (p. 2990).

6.696.3.2 virtual Pointer<Response> activemq::transport::mock::ResponseBuilder::buildResponse (const Pointer< Command > & *command*) [pure virtual]

Given a Command, check if it requires a response and return the appropriate Response that the Broker would send for this Command.

Parameters

command	- The command to build a response for

Returns

A Response object pointer, or NULL if no response.

Implemented in **activemq::wireformat::openwire::OpenWireResponseBuilder** (p. 2991).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/mock/**ResponseBuilder.h**

6.697 activemq::transport::correlator::ResponseCorrelator Class Reference

This type of transport filter is responsible for correlating asynchronous responses with requests.

`#include <src/main/activemq/transport/correlator/ResponseCorrelator.h>`

Inheritance diagram for activemq::transport::correlator::ResponseCorrelator:

Public Member Functions

- **ResponseCorrelator** (const **Pointer**< **Transport** > &**next**)

  Constructor.

- virtual ~**ResponseCorrelator** ()
- virtual void **oneway** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends a one-way command.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends the given request to the server and waits for the response.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command, unsigned int timeout) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends the given request to the server and waits for the response.

- virtual void **onCommand** (const **Pointer**< **Command** > &command)

  This is called in the context of the nested transport's reading thread.

- virtual void **start** () throw (decaf::io::IOException)

  Starts this transport object and creates the thread for polling on the input stream for commands.

- virtual void **close** () throw (decaf::io::IOException)

  Stops the polling thread and closes the streams.

- virtual void **onTransportException** (**Transport** *source, const **decaf::lang::Exception** &ex)

  Event handler for an exception from a command transport.

6.697.1 Detailed Description

This type of transport filter is responsible for correlating asynchronous responses with requests. Non-response messages are simply sent directly to the CommandListener. It owns the transport that it

6.697.2 Constructor & Destructor Documentation

6.697.2.1 activemq::transport::correlator::ResponseCorrelator::ResponseCorrelator (const Pointer< Transport > & *next*)

Constructor.

Parameters

next	the next transport in the chain

6.697.2.2 virtual activemq::transport::correlator::ResponseCorrelator::~ResponseCorrelator ( ) [virtual]

6.697.3 Member Function Documentation

6.697.3.1 virtual void activemq::transport::correlator::ResponseCorrelator::close ( ) throw (decaf::io::IOException) [virtual]

Stops the polling thread and closes the streams.

This can be called explicitly, but is also called in the destructor. Once this object has been closed, it cannot be restarted.

Exceptions

IOException	if errors occur.

Reimplemented from **activemq::transport::TransportFilter** (p. 4007).

6.697.3.2 virtual void activemq::transport::correlator::ResponseCorrelator::onCommand (const Pointer< Command > & *command*) [virtual]

This is called in the context of the nested transport's reading thread.

In the case of a response object, updates the request map and notifies those waiting on the response. Non-response messages are just delegated to the command listener.

Parameters

command	the received from the nested transport.

Reimplemented from **activemq::transport::TransportFilter** (p. 4009).

6.697.3.3 virtual void activemq::transport::correlator::ResponseCorrelator::oneway (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends a one-way command.

Does not wait for any response from the broker.

Parameters

command	the command to be sent.

Exceptions

IOException	if an exception occurs during writing of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Reimplemented from **activemq::transport::TransportFilter** (p. 4010).

6.697.3.4 virtual void activemq::transport::correlator::ResponseCorrelator::onTransportException (Transport * *source*, const decaf::lang::Exception & *ex*) [virtual]

Event handler for an exception from a command transport.

Parameters

source	The source of the exception
ex	The exception.

6.697.3.5 virtual Pointer<Response> activemq::transport::correlator::ResponseCorrelator::request (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends the given request to the server and waits for the response.

Parameters

command	The request to send.

Returns

the response from the server.

Exceptions

IOException	if an error occurs with the request.

Reimplemented from **activemq::transport::TransportFilter** (p. 4011).

6.697.3.6 virtual Pointer<Response> activemq::transport::correlator::ResponseCorrelator::request (const Pointer< Command > & *command*, unsigned int *timeout*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Sends the given request to the server and waits for the response.

Parameters

command	The request to send.
timeout	The time to wait for a response.

Returns

the response from the server.

Exceptions

IOException	if an error occurs with the request.

Reimplemented from **activemq::transport::TransportFilter** (p. 4011).

6.697.3.7 virtual void activemq::transport::correlator::ResponseCorrelator::start ( ) throw (decaf::io::IOException) [virtual]

Starts this transport object and creates the thread for polling on the input stream for commands.

If this object has been closed, throws an exception. Before calling start, the caller must set the IO streams and the reader and writer objects.

Exceptions

IOException	if an error occurs or if this transport has already been closed.

Reimplemented from **activemq::transport::TransportFilter** (p. 4012).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/correlator/**ResponseCorrelator.h**

6.698 activemq::wireformat::openwire::marshal::v4::ResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3388).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ResponseMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ResponseMarshaller:

Public Member Functions

- **ResponseMarshaller** ()
- virtual ∼**ResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.698.1 Detailed Description

Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3388). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.698.2 Constructor & Destructor Documentation

6.698.2.1 activemq::wireformat::openwire::marshal::v4::ResponseMarshaller::ResponseMarshaller ( ) [inline]

6.698.2.2 virtual activemq::wireformat::openwire::marshal::v4::ResponseMarshaller::~ResponseMarshaller ( ) [inline, virtual]

6.698.3 Member Function Documentation

6.698.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::ResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1584), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1653), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1916), and **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2177).

6.698.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1585), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1653), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1916), and **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2177).

6.698.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1585), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1654), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1917), and **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2177).

6.698.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1585), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1654), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1917), and **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2178).

6.698.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1586), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1654), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1917), and **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2178).

6.698.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1586), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1655), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1918), and **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2179).

6.698.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller** (p. 1587), **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller** (p. 1655), **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller** (p. 1918), and **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller** (p. 2179).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ResponseMarshaller.h**

6.699 activemq::wireformat::openwire::marshal::v2::ResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3393).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/ResponseMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ResponseMarshaller:

Public Member Functions

- **ResponseMarshaller** ()
- virtual ∼**ResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.699.1 Detailed Description

Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3393). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.699.2 Constructor & Destructor Documentation

6.699.2.1 activemq::wireformat::openwire::marshal::v2::ResponseMarshaller::ResponseMarshaller ( ) [inline]

6.699.2.2 virtual activemq::wireformat::openwire::marshal::v2::ResponseMarshaller::~ResponseMarshaller ( ) [inline, virtual]

6.699.3 Member Function Documentation

6.699.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::ResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1576), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1644), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1903), and **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2168).

6.699.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1576), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1645), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1903), and **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2168).

6.699.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1576), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1645), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1904), and **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2169).

6.699.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1577), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1645), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1904), and **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2169).

6.699.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1577), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1646), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1905), and **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2169).

6.699.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1578), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1646), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1905), and **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2170).

6.699.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller** (p. 1578), **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller** (p. 1647), **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller** (p. 1906), and **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller** (p. 2170).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ResponseMarshaller.h**

6.700 activemq::wireformat::openwire::marshal::v5::ResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3398).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ResponseMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ResponseMarshaller:

Public Member Functions

- **ResponseMarshaller** ()
- virtual ∼**ResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.700.1 Detailed Description

Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3398). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.700.2 Constructor & Destructor Documentation

6.700.2.1 activemq::wireformat::openwire::marshal::v5::ResponseMarshaller::ResponseMarshaller ( ) [inline]

6.700.2.2 virtual activemq::wireformat::openwire::marshal::v5::ResponseMarshaller::~ResponseMarshaller ( ) [inline, virtual]

6.700.3 Member Function Documentation

6.700.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1593), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1636), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1912), and **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2185).

6.700.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1593), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1636), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1912), and **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2186).

6.700.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat,* commands::DataStructure * *dataStructure,* decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1594), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1636), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1912), and **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2186).

6.700.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1594), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1637), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1913), and **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2186).

6.700.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1594), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1637), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1913), and **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2187).

6.700.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1595), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1638), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1914), and **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2187).

6.700.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller** (p. 1595), **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller** (p. 1638), **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller** (p. 1914), and **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller** (p. 2188).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ResponseMarshaller.h**

6.701 activemq::wireformat::openwire::marshal::v3::ResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3403).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ResponseMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ResponseMarshaller:

Public Member Functions

- **ResponseMarshaller** ()
- virtual ~**ResponseMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.701.1 Detailed Description

Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3403). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.701.2 Constructor & Destructor Documentation

6.701.2.1 activemq::wireformat::openwire::marshal::v3::ResponseMarshaller::ResponseMarshaller ( ) [inline]

6.701.2.2 virtual activemq::wireformat::openwire::marshal::v3::ResponseMarshaller::~ResponseMarshaller ( ) [inline, virtual]

6.701.3 Member Function Documentation

6.701.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::ResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1580), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1649), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1907), and **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2172).

6.701.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1580), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1649), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1908), and **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2173).

6.701.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1581), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1649), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1908), and **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2173).

6.701.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1581), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1650), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1908), and **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2173).

6.701.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1581), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1650), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1909), and **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2174).

6.701.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1582), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1651), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1909), and **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2174).

6.701.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller** (p. 1582), **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller** (p. 1651), **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller** (p. 1910), and **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller** (p. 2175).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ResponseMarshaller.h**

6.702 activemq::wireformat::openwire::marshal::v1::ResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3408).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ResponseMarshal
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ResponseMarshaller:

Public Member Functions

- **ResponseMarshaller** ()
- virtual ∼**ResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.702.1 Detailed Description

Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3408). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.702.2 Constructor & Destructor Documentation

6.702.2.1 activemq::wireformat::openwire::marshal::v1::ResponseMarshaller::ResponseMarshaller ( ) [inline]

6.702.2.2 virtual activemq::wireformat::openwire::marshal::v1::ResponseMarshaller::~ResponseMarshaller ( ) [inline, virtual]

6.702.3 Member Function Documentation

6.702.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1589), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1657), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1920), and **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2181).

6.702.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1589), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1658), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1921), and **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2181).

6.702.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat,* commands::DataStructure * *dataStructure,* decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1589), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1658), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1921), and **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2182).

6.702.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) `[virtual]`

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1590), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1658), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1921), and **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2182).

6.702.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1590), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1659), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1922), and **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2182).

6.702.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1591), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1659), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1922), and **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2183).

6.702.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller** (p. 1591), **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller** (p. 1660), **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller** (p. 1923), and **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller** (p. 2183).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ResponseMarshaller.h**

6.703 activemq::wireformat::openwire::marshal::v6::ResponseMarshaller Class Reference

Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3413).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ResponseMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ResponseMarshaller:

Public Member Functions

- **ResponseMarshaller** ()
- virtual ∼**ResponseMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.703.1 Detailed Description

Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3413). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.703.2 Constructor & Destructor Documentation

6.703.2.1 activemq::wireformat::openwire::marshal::v6::ResponseMarshaller::ResponseMarshaller ( ) [inline]

6.703.2.2 virtual activemq::wireformat::openwire::marshal::v6::ResponseMarshaller::~ResponseMarshaller ( ) [inline, virtual]

6.703.3 Member Function Documentation

6.703.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::ResponseMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1597), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1640), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1899), and **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2164).

6.703.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ResponseMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1598), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1640), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1899), and **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2164).

6.703.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ResponseMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1598), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1641), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1899), and **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2164).

6.703.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ResponseMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1598), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1641), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1900), and **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2165).

6.703.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ResponseMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1599), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1642), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1900), and **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2165).

6.703.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ResponseMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1599), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1642), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1901), and **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2166).

6.703.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ResponseMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller** (p. 1600), **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller** (p. 1643), **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller** (p. 1901), and **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller** (p. 2166).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ResponseMarshaller.h**

6.704 decaf::lang::Runnable Class Reference

Interface for a runnable object - defines a task that can be run by a thread.

```
#include <src/main/decaf/lang/Runnable.h>
```

Inheritance diagram for decaf::lang::Runnable:

Public Member Functions

- virtual ~**Runnable** ()
- virtual void **run** ()=0

  *Run method - called by the **Thread** (p. 3876) class in the context of the thread.*

6.704.1 Detailed Description

Interface for a runnable object - defines a task that can be run by a thread.

6.704.2 Constructor & Destructor Documentation

6.704.2.1 virtual decaf::lang::Runnable::~Runnable ( ) [inline, virtual]

6.704.3 Member Function Documentation

6.704.3.1 virtual void decaf::lang::Runnable::run ( ) [pure virtual]

Run method - called by the **Thread** (p. 3876) class in the context of the thread.

Implemented in **activemq::threads::CompositeTaskRunner** (p. 1258), **activemq::threads::DedicatedTaskRunner** (p. 1725), **activemq::transport::inactivity::ReadChecker** (p. 3253), **activemq::transport::inactivity::WriteChecker** (p. 4133), **activemq::transport::IOTransport** (p. 2219), **activemq::transport::mock::InternalCommandListener** (p. 2193), **decaf::lang::Thread** (p. 3884), and **decaf::util::concurrent::PooledThread** (p. 3057).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Runnable.h**

6.705 decaf::lang::Runtime Class Reference

```
#include <src/main/decaf/lang/Runtime.h>
```

Inheritance diagram for decaf::lang::Runtime:

Public Member Functions

- virtual ~**Runtime** ()

Static Public Member Functions

- static **Runtime** * **getRuntime** ()

*Gets the single instance of the Decaf **Runtime** (p. 3419) for this Process.*

- static void **initializeRuntime** (int argc, char ∗∗argv)

  Initialize the Decaf Library passing it the args that were passed to the application at startup.

- static void **initializeRuntime** ()

  Initialize the Decaf Library.

- static void **shutdownRuntime** ()

  Shutdown the Decaf Library, this call should take places after all objects that were created from the Decaf library have been deallocated.

6.705.1 Constructor & Destructor Documentation

6.705.1.1 virtual decaf::lang::Runtime::∼Runtime ( ) [inline, virtual]

6.705.2 Member Function Documentation

6.705.2.1 static Runtime∗ decaf::lang::Runtime::getRuntime ( ) [static]

Gets the single instance of the Decaf **Runtime** (p. 3419) for this Process.

Returns

pointer to the single Decaf **Runtime** (p. 3419) instance that exists for this process

6.705.2.2 static void decaf::lang::Runtime::initializeRuntime (int *argc*, char ∗∗ *argv*) [static]

Initialize the Decaf Library passing it the args that were passed to the application at startup.

Parameters

argc	- The number of args passed
argv	- Array of char∗ values passed to the Process on start.

Exceptions

runtime_error	if the library is already initialized or an error occurs during initialization.

6.705.2.3 static void decaf::lang::Runtime::initializeRuntime ( ) [static]

Initialize the Decaf Library.

Exceptions

runtime_error	if the library is already initialized or an error occurs during initialization.

6.705.2.4 static void decaf::lang::Runtime::shutdownRuntime ( ) [static]

Shutdown the Decaf Library, this call should take places after all objects that were created from the Decaf library have been deallocated.

Exceptions

runtime_error	if the library has not already been initialized or an error occurs during shutdown.

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Runtime.h**

6.706 decaf::lang::exceptions::RuntimeException Class Reference

`#include <src/main/decaf/lang/exceptions/RuntimeException.h>`

Inheritance diagram for decaf::lang::exceptions::RuntimeException:

Public Member Functions

- **RuntimeException** () throw ()

  Default Constructor.

- **RuntimeException** (const **Exception** &ex) throw ()

  Conversion Constructor from some other ActiveMQException.

- **RuntimeException** (const **RuntimeException** &ex) throw ()

  Copy Constructor.

- **RuntimeException** (const char *file, const int lineNumber, const std::exception *__cause__, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **RuntimeException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **RuntimeException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **RuntimeException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**RuntimeException** () throw ()

6.706.1 Constructor & Destructor Documentation

6.706.1.1 decaf::lang::exceptions::RuntimeException::RuntimeException ( ) throw () [inline]

Default Constructor.

6.706.1.2 decaf::lang::exceptions::RuntimeException::RuntimeException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other ActiveMQException.

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.706.1.3 decaf::lang::exceptions::RuntimeException::RuntimeException (const RuntimeException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The **Exception** (p. 1886) whose data is to be copied into this one.

6.706.1.4 decaf::lang::exceptions::RuntimeException::RuntimeException (const char ∗ *file,* const int *lineNumber,* const std::exception ∗ *cause,* const char ∗ *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.706.1.5 decaf::lang::exceptions::RuntimeException::RuntimeException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.706.1.6 decaf::lang::exceptions::RuntimeException::RuntimeException (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.706.1.7 virtual decaf::lang::exceptions::RuntimeException::~RuntimeException ( ) throw () [inline, virtual]

6.706.2 Member Function Documentation

6.706.2.1 virtual RuntimeException* decaf::lang::exceptions::RuntimeException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

an new **Exception** (p. 1886) that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/exceptions/**RuntimeException.h**

6.707 decaf::security::SecureRandom Class Reference

`#include <src/main/decaf/security/SecureRandom.h>`

Inheritance diagram for decaf::security::SecureRandom:

Public Member Functions

- **SecureRandom** ()

  Creates a new instance of a secure random number generator that implements the default random number algorithm.

- **SecureRandom** (const std::vector< unsigned char > &seed)

  Creates a new instance of a secure random number generator that implements the default random number algorithm.

- **SecureRandom** (const unsigned char *seed, int size)

  Creates a new instance of a secure random number generator that implements the default random number algorithm.

- virtual ~**SecureRandom** ()
- virtual void **nextBytes** (std::vector< unsigned char > &buf)

  Modifies the byte array by a random sequence of bytes generated by this random number generator.

  Parameters

buf	*non-null array to contain the new random bytes*

  See also

  next (p. *3247*)

- virtual void **nextBytes** (unsigned char *buf, int size)

  Modifies the byte array by a random sequence of bytes generated by this random number generator.

  Parameters

buf	*non-null array to contain the new random bytes*

  See also

  next (p. *3247*)

Exceptions

NullPointerException	*if buff is NULL*
IllegalArgumentException	*if size is negative*

- virtual void **setSeed** (unsigned long long seed)

  Modifies the seed using linear congruential formula presented in The Art of Computer Programming, Volume 2, Section 3.2.1.

  Parameters

seed	*the seed that alters the state of the random number generator*

  See also

  next *(p. 3247)*
  Random() *(p. 3247)*
  #Random(long)

- virtual void **setSeed** (const std::vector< unsigned char > &seed)

  Supplements or sets the seed of this secure random number generator, calls to this method never reduces randomness.

- virtual void **setSeed** (const unsigned char *seed, int size)

  Supplements or sets the seed of this secure random number generator, calls to this method never reduces randomness.

Protected Member Functions

- virtual int **next** (int bits)

  Answers a pseudo-random uniformly distributed `int` *value of the number of bits specified by the argument* `bits` *as described by Donald E.*
  Knuth in The Art of Computer Programming, Volume 2: Seminumerical Algorithms, section 3.2.1.

  Returns

  int a pseudo-random generated int number

  Parameters

bits	*number of bits of the returned value*

  See also

  nextBytes *(p. 3249)*
  nextDouble *(p. 3249)*
  nextFloat *(p. 3249)*
  nextInt() *(p. 3250)*
  nextInt(int) *(p. 3250)*
  nextGaussian *(p. 3249)*
  nextLong *(p. 3250)*

6.707.1 Detailed Description

Since

1.0

6.707.2 Constructor & Destructor Documentation

6.707.2.1 decaf::security::SecureRandom::SecureRandom ( )

Creates a new instance of a secure random number generator that implements the default random number algorithm.

The **SecureRandom** (p. 3424) instance that is created with this constructor is unseeded and can be seeded by calling the setSeed method. Calls to nextBytes on an unseeded **SecureRandom** (p. 3424) result in the object seeding itself.

6.707.2.2 decaf::security::SecureRandom::SecureRandom (const std::vector< unsigned char > & *seed*)

Creates a new instance of a secure random number generator that implements the default random number algorithm.

The **SecureRandom** (p. 3424) instance created by this constructor is seeded using the passed byte array.

Parameters

seed	The seed bytes to use to seed this secure random number generator.

6.707.2.3 decaf::security::SecureRandom::SecureRandom (const unsigned char * *seed,* int *size*)

Creates a new instance of a secure random number generator that implements the default random number algorithm.

The **SecureRandom** (p. 3424) instance created by this constructor is seeded using the passed byte array.

Parameters

seed	The seed bytes to use to seed this secure random number generator.
size	The number of bytes in the seed buffer.

Exceptions

NullPointerException	if the seed buffer is NULL.
IllegalArgumentException	if the size value is negative.

6.707.2.4 virtual decaf::security::SecureRandom::~SecureRandom ( ) [virtual]

6.707.3 Member Function Documentation

6.707.3.1 virtual int decaf::security::SecureRandom::next (int *bits*) [protected, virtual]

Answers a pseudo-random uniformly distributed `int` value of the number of bits specified by the argument `bits` as described by Donald E.

Knuth in *The Art of Computer Programming, Volume 2: Seminumerical Algorithms*, section 3.2.1.

Returns

int a pseudo-random generated int number

Parameters

bits	number of bits of the returned value

See also

nextBytes (p. 3249)
nextDouble (p. 3249)
nextFloat (p. 3249)
nextInt() (p. 3250)
nextInt(int) (p. 3250)
nextGaussian (p. 3249)
nextLong (p. 3250)

Reimplemented from **decaf::util::Random** (p. 3247).

6.707.3.2 virtual void decaf::security::SecureRandom::nextBytes (unsigned char * *buf*, int *size*) [virtual]

Modifies the byte array by a random sequence of bytes generated by this random number generator.

Parameters

buf	non-null array to contain the new random bytes

See also

next (p. 3247)

Exceptions

NullPointerException	if buff is NULL

IllegalArgumentException	if size is negative

Reimplemented from **decaf::util::Random** (p. 3248).

6.707.3.3 virtual void decaf::security::SecureRandom::nextBytes (std::vector< unsigned char > & *buf*) [virtual]

Modifies the byte array by a random sequence of bytes generated by this random number generator.

Parameters

buf	non-null array to contain the new random bytes

See also

next (p. 3247)

Reimplemented from **decaf::util::Random** (p. 3249).

6.707.3.4 virtual void decaf::security::SecureRandom::setSeed (const std::vector< unsigned char > & *seed*) [virtual]

Supplements or sets the seed of this secure random number generator, calls to this method never reduces randomness.

Parameters

seed	A vector of bytes that is used update the seed of the RNG.

6.707.3.5 virtual void decaf::security::SecureRandom::setSeed (const unsigned char * *seed*, int *size*) [virtual]

Supplements or sets the seed of this secure random number generator, calls to this method never reduces randomness.

Parameters

seed	The seed bytes to use to seed this secure random number generator.
size	The number of bytes in the seed buffer.

Exceptions

NullPointerException	if the seed buffer is NULL.
IllegalArgumentException	if the size value is negative.

6.707.3.6 virtual void decaf::security::SecureRandom::setSeed (unsigned long long *seed*) [virtual]

Modifies the seed using linear congruential formula presented in *The Art of Computer Programming, Volume 2*, Section 3.2.1.

Parameters

seed	the seed that alters the state of the random number generator

See also

next (p. 3247)
Random() (p. 3247)
#Random(long)

Reimplemented from **decaf::util::Random** (p. 3251).

The documentation for this class was generated from the following file:

- src/main/decaf/security/**SecureRandom.h**

6.708 decaf::internal::security::SecureRandomImpl Class Reference

Secure Random Number Generator for Unix based platforms that attempts to obtain secure bytes with high entropy from known sources.

`#include <src/main/decaf/internal/security/unix/SecureRandomImpl.h>`

Inheritance diagram for decaf::internal::security::SecureRandomImpl:

Public Member Functions

- **SecureRandomImpl** ()
- virtual ∼**SecureRandomImpl** ()
- virtual void **providerSetSeed** (const unsigned char ∗seed, int size)

  Reseed the Random Number Generator, the value given supplements the previous seed value if any instead of replacing it.

- virtual void **providerNextBytes** (unsigned char ∗bytes, int numBytes)

  Generates the number of random bytes specified by the size parameter and write them to the passed bytes array.

- virtual unsigned char ∗ **providerGenerateSeed** (int numBytes)

  Generates a new set of seed bytes, the returned value may be used to seed another Random Number Generator.

- **SecureRandomImpl** ()
- virtual ∼**SecureRandomImpl** ()
- virtual void **providerSetSeed** (const unsigned char ∗seed, int size)

  Reseed the Random Number Generator, the value given supplements the previous seed value if any instead of replacing it.

- virtual void **providerNextBytes** (unsigned char ∗bytes, int numBytes)

  Generates the number of random bytes specified by the size parameter and write them to the passed bytes array.

- virtual unsigned char ∗ **providerGenerateSeed** (int numBytes)

  Generates a new set of seed bytes, the returned value may be used to seed another Random Number Generator.

6.708.1 Detailed Description

Secure Random Number Generator for Unix based platforms that attempts to obtain secure bytes with high entropy from known sources. Secure Random Number Generator for Windows based platforms that attempts to obtain secure bytes with high entropy from known sources.

If the platform does not have a source of secure bytes then the platform random number generator is used if one exists otherwise the Decaf RNG is used as a last resort.

Since

1.0

6.708.2 Constructor & Destructor Documentation

6.708.2.1 decaf::internal::security::SecureRandomImpl::SecureRandomImpl ( )

6.708.2.2 virtual decaf::internal::security::SecureRandomImpl::∼SecureRandomImpl ( ) [virtual]

6.708.2.3 decaf::internal::security::SecureRandomImpl::SecureRandomImpl ( )

6.708.2.4 virtual decaf::internal::security::SecureRandomImpl::∼SecureRandomImpl ( ) [virtual]

6.708.3 Member Function Documentation

6.708.3.1 virtual unsigned char∗ decaf::internal::security::SecureRandomImpl::providerGenerateSeed (int *numBytes*) [virtual]

Generates a new set of seed bytes, the returned value may be used to seed another Random Number Generator.

The caller owns the returned array and must delete it.

Parameters

numBytes	The number of bytes that should be generated for the new seed array.

Implements **decaf::security::SecureRandomSpi** (p. 3433).

6.708.3.2 virtual unsigned char* decaf::internal::security::SecureRandomImpl::providerGenerateSeed (int *numBytes*) [virtual]

Generates a new set of seed bytes, the returned value may be used to seed another Random Number Generator.

The caller owns the returned array and must delete it.

Parameters

numBytes	The number of bytes that should be generated for the new seed array.

Implements **decaf::security::SecureRandomSpi** (p. 3433).

6.708.3.3 virtual void decaf::internal::security::SecureRandomImpl::providerNextBytes (unsigned char * *bytes*, int *numBytes*) [virtual]

Generates the number of random bytes specified by the size parameter and write them to the passed bytes array.

The array must have already been allocated and be of the correct size to prevent segmentation faults.

Parameters

bytes	The array that will be filled with random bytes equal to size.
numBytes	The number of bytes to generate and write into the bytes array.

Implements **decaf::security::SecureRandomSpi** (p. 3434).

6.708.3.4 virtual void decaf::internal::security::SecureRandomImpl::providerNextBytes (unsigned char * *bytes*, int *numBytes*) [virtual]

Generates the number of random bytes specified by the size parameter and write them to the passed bytes array.

The array must have already been allocated and be of the correct size to prevent segmentation faults.

Parameters

bytes	The array that will be filled with random bytes equal to size.
numBytes	The number of bytes to generate and write into the bytes array.

Implements **decaf::security::SecureRandomSpi** (p. 3434).

6.708.3.5 virtual void decaf::internal::security::SecureRandomImpl::providerSetSeed (const unsigned char * *seed*, int *size*) [virtual]

Reseed the Random Number Generator, the value given supplements the previous seed value if any instead of replacing it.

Parameters

seed	The array of bytes used to update the generators seed.
size	The size of the passed byte array.

Implements **decaf::security::SecureRandomSpi** (p. 3434).

6.708.3.6 virtual void decaf::internal::security::SecureRandomImpl::providerSetSeed (const unsigned char * *seed*, int *size*) [virtual]

Reseed the Random Number Generator, the value given supplements the previous seed value if any instead of replacing it.

Parameters

seed	The array of bytes used to update the generators seed.
size	The size of the passed byte array.

Implements **decaf::security::SecureRandomSpi** (p. 3434).

The documentation for this class was generated from the following files:

- src/main/decaf/internal/security/unix/**SecureRandomImpl.h**
- src/main/decaf/internal/security/windows/**SecureRandomImpl.h**

6.709 decaf::security::SecureRandomSpi Class Reference

Interface class used by Security Service Providers to implement a source of secure random bytes.

`#include <src/main/decaf/security/SecureRandomSpi.h>`

Inheritance diagram for decaf::security::SecureRandomSpi:

Public Member Functions

- **SecureRandomSpi** ()

- virtual ∼**SecureRandomSpi** ()
- virtual void **providerSetSeed** (const unsigned char ∗seed, int size)=0

  Reseed the Random Number Generator, the value given supplements the previous seed value if any instead of replacing it.

- virtual void **providerNextBytes** (unsigned char ∗bytes, int numBytes)=0

  Generates the number of random bytes specified by the size parameter and write them to the passed bytes array.

- virtual unsigned char ∗ **providerGenerateSeed** (int numBytes)=0

  Generates a new set of seed bytes, the returned value may be used to seed another Random Number Generator.

6.709.1 Detailed Description

Interface class used by Security Service Providers to implement a source of secure random bytes.

Since

1.0

6.709.2 Constructor & Destructor Documentation

6.709.2.1 decaf::security::SecureRandomSpi::SecureRandomSpi ( )

6.709.2.2 virtual decaf::security::SecureRandomSpi::∼SecureRandomSpi ( ) [virtual]

6.709.3 Member Function Documentation

6.709.3.1 virtual unsigned char∗ decaf::security::SecureRandomSpi::providerGenerateSeed (int *numBytes*) [pure virtual]

Generates a new set of seed bytes, the returned value may be used to seed another Random Number Generator.

The caller owns the returned array and must delete it.

Parameters

numBytes	The number of bytes that should be generated for the new seed array.

Implemented in **decaf::internal::security::SecureRandomImpl** (p. 3431), and **decaf::internal::security::SecureRandomImpl** (p. 3431).

6.709.3.2 virtual void decaf::security::SecureRandomSpi::providerNextBytes (unsigned char * *bytes*, int *numBytes*) [pure virtual]

Generates the number of random bytes specified by the size parameter and write them to the passed bytes array.

The array must have already been allocated and be of the correct size to prevent segmentation faults.

Parameters

bytes	The array that will be filled with random bytes equal to size.
numBytes	The number of bytes to generate and write into the bytes array.

Implemented in **decaf::internal::security::SecureRandomImpl** (p. 3431), and **decaf::internal::security::SecureRandomImpl** (p. 3431).

6.709.3.3 virtual void decaf::security::SecureRandomSpi::providerSetSeed (const unsigned char * *seed*, int *size*) [pure virtual]

Reseed the Random Number Generator, the value given supplements the previous seed value if any instead of replacing it.

Parameters

seed	The array of bytes used to update the generators seed.
size	The size of the passed byte array.

Implemented in **decaf::internal::security::SecureRandomImpl** (p. 3432), and **decaf::internal::security::SecureRandomImpl** (p. 3432).

The documentation for this class was generated from the following file:

- src/main/decaf/security/**SecureRandomSpi.h**

6.710 decaf::util::concurrent::Semaphore Class Reference

A counting semaphore.

`#include <src/main/decaf/util/concurrent/Semaphore.h>`

Public Member Functions

- **Semaphore** (int permits)

  *Creates a **Semaphore** (p. 3434) with the given number of permits and nonfair fairness setting.*

- **Semaphore** (int permits, bool fair)

*Creates a **Semaphore** (p. 3434) with the given number of permits and the given fairness setting.*

- virtual ~**Semaphore** ()
- void **acquire** () throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::RuntimeException)

  Acquires a permit from this semaphore, blocking until one is available, or the thread is interrupted.

- void **acquireUninterruptibly** () throw (decaf::lang::exceptions::RuntimeException)

  Acquires a permit from this semaphore, blocking until one is available.

- bool **tryAcquire** () throw (decaf::lang::exceptions::RuntimeException)

  Acquires a permit from this semaphore, only if one is available at the time of invocation.

- bool **tryAcquire** (long long timeout, const **TimeUnit** &unit) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::RuntimeException)

  Acquires a permit from this semaphore, if one becomes available within the given waiting time and the current thread has not been interrupted.

- void **release** () throw (decaf::lang::exceptions::RuntimeException)

  Releases a permit, returning it to the semaphore.

- void **acquire** (int permits) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::RuntimeException)

  Acquires the given number of permits from this semaphore, blocking until all are available, or the thread is interrupted.

- void **acquireUninterruptibly** (int permits) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::RuntimeException)

  Acquires the given number of permits from this semaphore, blocking until all are available.

- bool **tryAcquire** (int permits) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::RuntimeException)

  Acquires the given number of permits from this semaphore, only if all are available at the time of invocation.

- bool **tryAcquire** (int permits, long long timeout, const **TimeUnit** &unit) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::RuntimeException)

  Acquires the given number of permits from this semaphore, if all become available within the given waiting time and the current thread has not been interrupted.

- void **release** (int permits) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::RuntimeException)

Releases the given number of permits, returning them to the semaphore.

- int **availablePermits** () const

  Returns the current number of permits available in this semaphore.

- int **drainPermits** () throw (decaf::lang::exceptions::RuntimeException)

  Acquires and returns all permits that are immediately available.

- bool **isFair** () const
- std::string **toString** () const

  Returns a string identifying this semaphore, as well as its state.

6.710.1 Detailed Description

A counting semaphore. Conceptually, a semaphore maintains a set of permits. Each **acquire()** (p. 3438) blocks if necessary until a permit is available, and then takes it. Each **release()** (p. 3441) adds a permit, potentially releasing a blocking acquirer. However, no actual permit objects are used; the **Semaphore** (p. 3434) just keeps a count of the number available and acts accordingly.

Semaphores are often used to restrict the number of threads than can access some (physical or logical) resource.

class Pool { private:

static const int MAX_AVAILABLE = 100; **Semaphore** (p. 3434) available;

std::vector<std::string> items; std::vector<bool> used;

Mutex (p. 2866) lock;

public:

Pool() : available(MAX_AVAILABLE, true) { used.resize(MAX_AVAILABLE); items.resize(MAX_AVAILABLE); }

std::string getItem() throws InterruptedException { available.acquire(); return getNextAvailableItem(); }

void putItem(std::string x) { if(markAsUnused(x)) { available.release(); } }

std::string getNextAvailableItem() {

synchronized(&lock) (p. 4713) { for(int i = 0; i < MAX_AVAILABLE; ++i) { if(!used[i]) { used[i] = true; return items[i]; } }

return std::string(); // not reached }

bool markAsUnused(const std::string& item) { **synchronized(&lock)** (p. 4713) { for(int i = 0; i < MAX_AVAILABLE; ++i) { if(item == items[i]) { if(used[i]) { used[i] = false; return true; } else return false; } } } return false; } };

Before obtaining an item each thread must acquire a permit from the semaphore, guaranteeing that an item is available for use. When the thread has finished with the item it is returned back to the pool and a permit is returned to the semaphore, allowing

another thread to acquire that item. Note that no synchronization lock is held when **acquire()** (p. 3438) is called as that would prevent an item from being returned to the pool. The semaphore encapsulates the synchronization needed to restrict access to the pool, separately from any synchronization needed to maintain the consistency of the pool itself.

A semaphore initialized to one, and which is used such that it only has at most one permit available, can serve as a mutual exclusion lock. This is more commonly known as a binary semaphore, because it only has two states: one permit available, or zero permits available. When used in this way, the binary semaphore has the property (unlike many **Lock** (p. 2450) implementations), that the "lock" can be released by a thread other than the owner (as semaphores have no notion of ownership). This can be useful in some specialized contexts, such as deadlock recovery.

The constructor for this class optionally accepts a fairness parameter. When set false, this class makes no guarantees about the order in which threads acquire permits. In particular, barging is permitted, that is, a thread invoking **acquire()** (p. 3438) can be allocated a permit ahead of a thread that has been waiting - logically the new thread places itself at the head of the queue of waiting threads. When fairness is set true, the semaphore guarantees that threads invoking any of the acquire methods are selected to obtain permits in the order in which their invocation of those methods was processed (first-in-first-out; FIFO). Note that FIFO ordering necessarily applies to specific internal points of execution within these methods. So, it is possible for one thread to invoke acquire before another, but reach the ordering point after the other, and similarly upon return from the method. Also note that the untimed tryAcquire methods do not honor the fairness setting, but will take any permits that are available.

Generally, semaphores used to control resource access should be initialized as fair, to ensure that no thread is starved out from accessing a resource. When using semaphores for other kinds of synchronization control, the throughput advantages of non-fair ordering often outweigh fairness considerations.

This class also provides convenience methods to acquire and release multiple permits at a time. Beware of the increased risk of indefinite postponement when these methods are used without fairness set true.

Since

1.0

6.710.2 Constructor & Destructor Documentation

6.710.2.1 decaf::util::concurrent::Semaphore::Semaphore (int *permits*)

Creates a **Semaphore** (p. 3434) with the given number of permits and nonfair fairness setting.

Parameters

permits	the initial number of permits available. This value may be negative, in which case releases must occur before any acquires will be granted.

6.710.2.2 decaf::util::concurrent::Semaphore::Semaphore (int *permits*, bool *fair*)

Creates a **Semaphore** (p. 3434) with the given number of permits and the given fairness setting.

Parameters

permits	the initial number of permits available. This value may be negative, in which case releases must occur before any acquires will be granted.
fair	true if this semaphore will guarantee first-in first-out granting of permits under contention, else false

6.710.2.3 virtual decaf::util::concurrent::Semaphore::~Semaphore ( ) [virtual]

6.710.3 Member Function Documentation

6.710.3.1 void decaf::util::concurrent::Semaphore::acquire ( ) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::RuntimeException)

Acquires a permit from this semaphore, blocking until one is available, or the thread is interrupted.

Acquires a permit, if one is available and returns immediately, reducing the number of available permits by one.

If no permit is available then the current thread becomes disabled for thread scheduling purposes and lies dormant until one of two things happens:

∗ Some other thread invokes the **release()** (p. 3441) method for this semaphore and the current thread is next to be assigned a permit; or ∗ Some other thread interrupts the current thread.

If the current thread:

∗ has its interrupted status set on entry to this method; or ∗ is interrupted while waiting for a permit,

then InterruptedException is thrown and the current thread's interrupted status is cleared.

Exceptions

InterruptedException	- if the current thread is interrupted.
RuntimeException	if an unexpected error occurs while acquiring the **Semaphore** (p. 3434).

6.710.3.2 void decaf::util::concurrent::Semaphore::acquire (int *permits*) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::RuntimeException)

Acquires the given number of permits from this semaphore, blocking until all are available, or the thread is interrupted.

Acquires the given number of permits, if they are available, and returns immediately, reducing the number of available permits by the given amount.

If insufficient permits are available then the current thread becomes disabled for thread scheduling purposes and lies dormant until one of two things happens:

∗ Some other thread invokes one of the release methods for this semaphore, the current thread is next to be assigned permits and the number of available permits satisfies this request; or ∗ Some other thread interrupts the current thread.

If the current thread:

∗ has its interrupted status set on entry to this method; or ∗ is interrupted while waiting for a permit,

then InterruptedException is thrown and the current thread's interrupted status is cleared. Any permits that were to be assigned to this thread are instead assigned to other threads trying to acquire permits, as if permits had been made available by a call to **release()** (p. 3441).

Parameters

permits	the number of permits to acquire.

Exceptions

InterruptedException	if the current thread is interrupted.
IllegalArgumentException	if the permits argument is negative.
RuntimeException	if an unexpected error occurs while acquiring the **Semaphore** (p. 3434).

6.710.3.3 void decaf::util::concurrent::Semaphore::acquireUninterruptibly ( ) throw (decaf::lang::exceptions::RuntimeException)

Acquires a permit from this semaphore, blocking until one is available.

Acquires a permit, if one is available and returns immediately, reducing the number of available permits by one.

If no permit is available then the current thread becomes disabled for thread scheduling purposes and lies dormant until some other thread invokes the **release()** (p. 3441) method for this semaphore and the current thread is next to be assigned a permit.

If the current thread is interrupted while waiting for a permit then it will continue to wait, but the time at which the thread is assigned a permit may change compared to the

time it would have received the permit had no interruption occurred. When the thread does return from this method its interrupt status will be set.

Exceptions

RuntimeException	if an unexpected error occurs while acquiring the **Semaphore** (p. 3434).

6.710.3.4 void decaf::util::concurrent::Semaphore::acquireUninterruptibly (int *permits*) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::RuntimeException)

Acquires the given number of permits from this semaphore, blocking until all are available.

Acquires the given number of permits, if they are available, and returns immediately, reducing the number of available permits by the given amount.

If insufficient permits are available then the current thread becomes disabled for thread scheduling purposes and lies dormant until some other thread invokes one of the release methods for this semaphore, the current thread is next to be assigned permits and the number of available permits satisfies this request.

If the current thread is interrupted while waiting for permits then it will continue to wait and its position in the queue is not affected. When the thread does return from this method its interrupt status will be set.

Parameters

permits	the number of permits to acquire.

Exceptions

IllegalArgumentException	if the permits argument is negative.
RuntimeException	if an unexpected error occurs while acquiring the **Semaphore** (p. 3434).

6.710.3.5 int decaf::util::concurrent::Semaphore::availablePermits ( ) const

Returns the current number of permits available in this semaphore.

This method is typically used for debugging and testing purposes.

Returns

the number of permits available in this semaphore

6.710.3.6 int decaf::util::concurrent::Semaphore::drainPermits ( ) throw (decaf::lang::exceptions::RuntimeException)

Acquires and returns all permits that are immediately available.

Returns

the number of permits acquired

Exceptions

RuntimeException	if an unexpected error occurs while draining the **Semaphore** (p. 3434).

6.710.3.7 bool decaf::util::concurrent::Semaphore::isFair ( ) const

Returns

true if this semaphore has fairness set true

6.710.3.8 void decaf::util::concurrent::Semaphore::release ( ) throw (decaf::lang::exceptions::RuntimeException)

Releases a permit, returning it to the semaphore.

Releases a permit, increasing the number of available permits by one. If any threads are trying to acquire a permit, then one is selected and given the permit that was just released. That thread is (re)enabled for thread scheduling purposes.

There is no requirement that a thread that releases a permit must have acquired that permit by calling **acquire**() (p. 3438). Correct usage of a semaphore is established by programming convention in the application.

Exceptions

RuntimeException	if an unexpected error occurs while releasing the **Semaphore** (p. 3434).

6.710.3.9 void decaf::util::concurrent::Semaphore::release (int *permits*) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::RuntimeException)

Releases the given number of permits, returning them to the semaphore.

Releases the given number of permits, increasing the number of available permits by that amount. If any threads are trying to acquire permits, then one is selected and given the permits that were just released. If the number of available permits satisfies that thread's request then that thread is (re)enabled for thread scheduling purposes;

otherwise the thread will wait until sufficient permits are available. If there are still permits available after this thread's request has been satisfied, then those permits are assigned in turn to other threads trying to acquire permits.

Parameters

permits	the number of permits to release

Exceptions

IllegalArgumentException	if the permits argument is negative.
RuntimeException	if an unexpected error occurs while releasing the **Semaphore** (p. 3434).

6.710.3.10 std::string decaf::util::concurrent::Semaphore::toString ( ) const

Returns a string identifying this semaphore, as well as its state.

The state, in brackets, includes the String "Permits =" followed by the number of permits.

Returns

a string identifying this semaphore, as well as its state

6.710.3.11 bool decaf::util::concurrent::Semaphore::tryAcquire (int *permits,* long long *timeout,* const TimeUnit & *unit*) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::RuntimeException)

Acquires the given number of permits from this semaphore, if all become available within the given waiting time and the current thread has not been interrupted.

Acquires the given number of permits, if they are available and returns immediately, with the value true, reducing the number of available permits by the given amount.

If insufficient permits are available then the current thread becomes disabled for thread scheduling purposes and lies dormant until one of three things happens:

∗ Some other thread invokes one of the release methods for this semaphore, the current thread is next to be assigned permits and the number of available permits satisfies this request; or ∗ Some other thread interrupts the current thread; or ∗ The specified waiting time elapses.

If the permits are acquired then the value true is returned.

If the current thread:

∗ has its interrupted status set on entry to this method; or ∗ is interrupted while waiting to acquire the permits,

then InterruptedException is thrown and the current thread's interrupted status is cleared. Any permits that were to be assigned to this thread, are instead assigned to other threads trying to acquire permits, as if the permits had been made available by a call to **release()** (p. 3441).

If the specified waiting time elapses then the value false is returned. If the time is less than or equal to zero, the method will not wait at all. Any permits that were to be assigned to this thread, are instead assigned to other threads trying to acquire permits, as if the permits had been made available by a call to **release()** (p. 3441).

Parameters

permits	the number of permits to acquire
timeout	the maximum amount of time to wait to acquire the permits.
unit	the units that the timeout param represents.

Returns

true if all permits were acquired and false if the waiting time elapsed before all permits were acquired

Exceptions

IllegalArgumentException	if the permits argument is negative.
RuntimeException	if an unexpected error occurs while acquiring the **Semaphore** (p. 3434).

6.710.3.12 bool decaf::util::concurrent::Semaphore::tryAcquire (long long *timeout*, const TimeUnit & *unit*) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::RuntimeException)

Acquires a permit from this semaphore, if one becomes available within the given waiting time and the current thread has not been interrupted.

Acquires a permit, if one is available and returns immediately, with the value true, reducing the number of available permits by one.

If no permit is available then the current thread becomes disabled for thread scheduling purposes and lies dormant until one of three things happens:

∗ Some other thread invokes the **release()** (p. 3441) method for this semaphore and the current thread is next to be assigned a permit; or ∗ Some other thread interrupts the current thread; or ∗ The specified waiting time elapses.

If a permit is acquired then the value true is returned.

If the current thread:

∗ has its interrupted status set on entry to this method; or ∗ is interrupted while waiting to acquire a permit,

then InterruptedException is thrown and the current thread's interrupted status is cleared.

If the specified waiting time elapses then the value false is returned. If the time is less than or equal to zero, the method will not wait at all.

Parameters

timeout	the maximum time to wait for a permit
unit	the time unit of the timeout argument

Returns

true if a permit was acquired and false if the waiting time elapsed before a permit was acquired

Exceptions

InterruptedException	if the current thread is interrupted.
RuntimeException	if an unexpected error occurs while acquiring the **Semaphore** (p. 3434).

6.710.3.13 bool decaf::util::concurrent::Semaphore::tryAcquire ( ) throw (decaf::lang::exceptions::RuntimeException)

Acquires a permit from this semaphore, only if one is available at the time of invocation.

Acquires a permit, if one is available and returns immediately, with the value true, reducing the number of available permits by one.

If no permit is available then this method will return immediately with the value false.

Even when this semaphore has been set to use a fair ordering policy, a call to **tryAcquire()** (p. 3444) will immediately acquire a permit if one is available, whether or not other threads are currently waiting. This "barging" behavior can be useful in certain circumstances, even though it breaks fairness. If you want to honor the fairness setting, then use tryAcquire(0, **TimeUnit.SECONDS** (p. 3930)) which is almost equivalent (it also detects interruption).

Returns

true if a permit was acquired and false otherwise

Exceptions

RuntimeException	if an unexpected error occurs while acquiring the **Semaphore** (p. 3434).

6.710.3.14 bool decaf::util::concurrent::Semaphore::tryAcquire (int *permits*) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::RuntimeException)

Acquires the given number of permits from this semaphore, only if all are available at the time of invocation.

Acquires the given number of permits, if they are available, and returns immediately, with the value true, reducing the number of available permits by the given amount.

If insufficient permits are available then this method will return immediately with the value false and the number of available permits is unchanged.

Even when this semaphore has been set to use a fair ordering policy, a call to tryAcquire will immediately acquire a permit if one is available, whether or not other threads are currently waiting. This "barging" behavior can be useful in certain circumstances, even though it breaks fairness. If you want to honor the fairness setting, then use tryAcquire(permits, 0, **TimeUnit.SECONDS** (p. 3930)) which is almost equivalent (it also detects interruption).

Parameters

permits	the number of permits to acquire

Returns

true if the permits were acquired and false otherwise.

Exceptions

IllegalArgumentException	if the permits argument is negative.
RuntimeException	if an unexpected error occurs while acquiring the **Semaphore** (p. 3434).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**Semaphore.h**

6.711 activemq::cmsutil::CmsTemplate::SendExecutor Class Reference

`#include <src/main/activemq/cmsutil/CmsTemplate.h>`

Inheritance diagram for activemq::cmsutil::CmsTemplate::SendExecutor:

Public Member Functions

- **SendExecutor** (**MessageCreator** ∗messageCreator, **CmsTemplate** ∗parent)
- virtual ∼**SendExecutor** ()
- virtual void **doInCms** (**cms::Session** ∗session, **cms::MessageProducer** ∗producer) throw (cms::CMSException)

  Execute an action given a session and producer.

Protected Member Functions

- **SendExecutor** (const **SendExecutor** &)
- **SendExecutor** & **operator=** (const **SendExecutor** &)

6.711.1 Constructor & Destructor Documentation

6.711.1.1 activemq::cmsutil::CmsTemplate::SendExecutor::SendExecutor (const SendExecutor &) [inline, protected]

6.711.1.2 activemq::cmsutil::CmsTemplate::SendExecutor::SendExecutor (MessageCreator ∗ *messageCreator,* CmsTemplate ∗ *parent*) [inline]

6.711.1.3 virtual activemq::cmsutil::CmsTemplate::SendExecutor::∼SendExecutor ( ) [inline, virtual]

6.711.2 Member Function Documentation

6.711.2.1 virtual void activemq::cmsutil::CmsTemplate::SendExecutor::doInCms (cms::Session ∗ *session,* cms::MessageProducer ∗ *producer*) throw (cms::CMSException) [inline, virtual]

Execute an action given a session and producer.

Parameters

session	the CMS `Session`
producer	the CMS `Producer`

Exceptions

cms::CMSException (p. *1190*)	if thrown by CMS API methods

Implements **activemq::cmsutil::ProducerCallback** (p. 3154).

6.711.2.2 SendExecutor& activemq::cmsutil::CmsTemplate::SendExecutor::operator= (const SendExecutor &) [inline, protected]

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**CmsTemplate.h**

6.712 decaf::net::ServerSocket Class Reference

This class implements server sockets.

`#include <src/main/decaf/net/ServerSocket.h>`

Inheritance diagram for decaf::net::ServerSocket:

Public Member Functions

- **ServerSocket** ()

  Creates a non-bound server socket.

- **ServerSocket** (int port) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException)

  *Creates a new **ServerSocket** (p. 3447) bound to the specified port, if the value of port is 0, then any free port is chosen.*

- **ServerSocket** (int port, int backlog) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentExceptior)

  *Creates a new **ServerSocket** (p. 3447) bound to the specified port, if the value of port is 0, then any free port is chosen.*

- **ServerSocket** (int port, int backlog, const **InetAddress** *address) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException)

  *Creates a new **ServerSocket** (p. 3447) bound to the specified port, if the value of port is 0, then any free port is chosen.*

- virtual ~**ServerSocket** ()

  *Releases socket handle if **close()** (p. 3453) hasn't been called.*

- virtual void **bind** (const std::string &host, int port) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException)

  Bind and listen to given local IPAddress and port, if the address is empty than a valid local address will be chosen, and if the port of 0 than an available open port will be chosen.

- virtual void **bind** (const std::string &host, int port, int backlog) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException)

Bind and listen to given local IPAddress and port, if the address is empty than a valid local address will be chosen, and if the port of 0 than an available open port will be chosen.

- virtual **Socket** ∗ **accept** () throw (decaf::io::IOException)

  *Listens for a connection request on the bound IPAddress and Port for this **ServerSocket** (p. 3447), the caller blocks until a connection is made.*

- virtual void **close** () throw (decaf::io::IOException)

  Closes the server socket, causing any Threads blocked on an accept call to throw an Exception.

- virtual bool **isClosed** () const
- virtual bool **isBound** () const
- virtual int **getReceiveBufferSize** () const throw (SocketException)

  Gets the receive buffer size for this socket, SO_RCVBUF.

- virtual void **setReceiveBufferSize** (int size) throw (SocketException, decaf::lang::exceptions::IllegalArgu)

  Sets the receive buffer size for this socket, SO_RCVBUF.

- virtual bool **getReuseAddress** () const throw (SocketException)

  Gets the reuse address flag, SO_REUSEADDR.

- virtual void **setReuseAddress** (bool reuse) throw (SocketException)

  Sets the reuse address flag, SO_REUSEADDR.

- virtual int **getSoTimeout** () const throw (SocketException)

  Gets the timeout for socket operations, SO_TIMEOUT.

- virtual void **setSoTimeout** (int timeout) throw (SocketException, decaf::lang::exceptions::IllegalArgumen)

  Sets the timeout for socket operations, SO_TIMEOUT.

- virtual int **getLocalPort** () const

  *Gets the port number on the Local machine that this **ServerSocket** (p. 3447) is bound to.*

- virtual std::string **toString** () const

Static Public Member Functions

- static void **setSocketImplFactory** (**SocketImplFactory** ∗factory) throw (decaf::io::IOException, decaf::net::SocketException)

  *Sets the instance of a **SocketImplFactory** (p. 3644) that the **ServerSocket** (p. 3447) class should use when new instances of this class are created.*

Protected Member Functions

- **ServerSocket** (**SocketImpl** ∗impl)

  *Creates a **ServerSocket** (p. 3447) wrapping the provided **SocketImpl** (p. 3635) instance, this **Socket** (p. 3607) is considered unconnected.*

- virtual void **implAccept** (**Socket** ∗socket) throw (decaf::io::IOException)

  *Virtual method that allows a **ServerSocket** (p. 3447) subclass to override the accept call and provide its own **SocketImpl** (p. 3635) for the socket.*

- virtual int **getDefaultBacklog** ()

  Allows a subclass to override what is considered the default backlog.

- void **checkClosed** () const throw (decaf::io::IOException)
- void **ensureCreated** () const throw (decaf::io::IOException)
- void **setupSocketImpl** (int port, int backlog, const **InetAddress** ∗ifAddress)

6.712.1 Detailed Description

This class implements server sockets. A server socket waits for requests to come in over the network.

The actual work of the server socket is performed by an instance of the **SocketImpl** (p. 3635) class. An application can change the socket factory that creates the socket implementation to configure itself to create sockets of a particular type.

Since

1.0

6.712.2 Constructor & Destructor Documentation

6.712.2.1 decaf::net::ServerSocket::ServerSocket ( )

Creates a non-bound server socket.

6.712.2.2 decaf::net::ServerSocket::ServerSocket (int *port*) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException)

Creates a new **ServerSocket** (p. 3447) bound to the specified port, if the value of port is 0, then any free port is chosen.

When this constructor is called the size of the backlog queue is set at 50, connections that arrive after the backlog has been reached are refused.

If a **SocketImplFactory** (p. 3644) is registered then the createSocketImpl method on the factory will be called otherwise a default **SocketImpl** (p. 3635) is created.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.

Exceptions

IOException	if there is an I/O error while performing this operation.
IllegalArgumentException	if the port value is negative or greater than 65535.

6.712.2.3 decaf::net::ServerSocket::ServerSocket (int *port*, int *backlog*) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException)

Creates a new **ServerSocket** (p. 3447) bound to the specified port, if the value of port is 0, then any free port is chosen.

When this constructor is called the size of the backlog queue is set at backlog, connections that arrive after the backlog has been reached are refused. If backlog is zero or negative then the default backlog value of 50 is used.

If a **SocketImplFactory** (p. 3644) is registered then the createSocketImpl method on the factory will be called otherwise a default **SocketImpl** (p. 3635) is created.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.
backlog	The the number of incoming connection attempts to queue before connections are refused.

Exceptions

IOException	if there is an I/O error while performing this operation.
IllegalArgumentException	if the port value is negative or greater than 65535.

6.712.2.4 decaf::net::ServerSocket::ServerSocket (int *port*, int *backlog*, const InetAddress * *address*) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException)

Creates a new **ServerSocket** (p. 3447) bound to the specified port, if the value of port is 0, then any free port is chosen.

If the value of the ifAddress is empty or NULL then the ANY address is used.

When this constructor is called the size of the backlog queue is set at backlog, connections that arrive after the backlog has been reached are refused. If backlog is zero or negative then the default backlog value of 50 is used.

If a **SocketImplFactory** (p. 3644) is registered then the createSocketImpl method on the factory will be called otherwise a default **SocketImpl** (p. 3635) is created.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.
backlog	The the number of incoming connection attempts to queue before connections are refused.
ifAddress	The IP Address to bind to on the local machine.

Exceptions

IOException	if there is an I/O error while performing this operation.
IllegalArgumentException	if the port value is negative or greater than 65535.

6.712.2.5 virtual decaf::net::ServerSocket::∼ServerSocket ( ) [virtual]

Releases socket handle if **close()** (p. 3453) hasn't been called.

6.712.2.6 decaf::net::ServerSocket::ServerSocket (SocketImpl * *impl*) [protected]

Creates a **ServerSocket** (p. 3447) wrapping the provided **SocketImpl** (p. 3635) instance, this **Socket** (p. 3607) is considered unconnected.

The **ServerSocket** (p. 3447) class takes ownership of this **SocketImpl** (p. 3635) pointer and will delete it when the **Socket** (p. 3607) class is destroyed.

Parameters

impl	The **SocketImpl** (p. 3635) instance to wrap.

Exceptions

NullPointerException	if the passed **SocketImpl** (p. 3635) is Null.

6.712.3 Member Function Documentation

6.712.3.1 virtual Socket* decaf::net::ServerSocket::accept ( ) throw (decaf::io::IOException) [virtual]

Listens for a connection request on the bound IPAddress and Port for this **ServerSocket** (p. 3447), the caller blocks until a connection is made.

If the SO_TIMEOUT option is set this method could throw a **SocketTimeoutException** (p. 3650) if the operation times out.

Returns

a new **Socket** (p. 3607) object pointer. Never returns NULL, the returned pointer is owned by the caller and must be explicitly freed by them.

Exceptions

IOException	if an I/O error occurs while binding the socket.
SocketException (p. *3627*)	if an error occurs while blocking on the accept call.
SocketTimeoutException (p. *3650*)	if the SO_TIMEOUT option was used and the accept timed out.

Reimplemented in **decaf::internal::net::ssl::openssl::OpenSSLServerSocket** (p. 2932).

6.712.3.2 virtual void decaf::net::ServerSocket::bind (const std::string & *host*, int *port*, int *backlog*) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException) [virtual]

Bind and listen to given local IPAddress and port, if the address is empty than a valid local address will be chosen, and if the port of 0 than an available open port will be chosen.

If the backlog is greater than zero it will be used instead of the default value, otherwise the default value is used and no error is generated.

Parameters

host	The IP address or host name.
port	The TCP port between 1..655535.
backlog	The size of listen backlog.

Exceptions

IOException	if an I/O error occurs while binding the socket.
IllegalArgumentException	if the parameters are not valid.

6.712.3.3 virtual void decaf::net::ServerSocket::bind (const std::string & *host*, int *port*) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException) [virtual]

Bind and listen to given local IPAddress and port, if the address is empty than a valid local address will be chosen, and if the port of 0 than an available open port will be chosen.

Parameters

host	The IP address or host name.
port	The TCP port between 1..655535.

Exceptions

IOException	if an I/O error occurs while binding the socket.

IllegalArgumentException	if the parameters are not valid.

6.712.3.4 void decaf::net::ServerSocket::checkClosed ( ) const throw (decaf::io::IOException) [protected]

6.712.3.5 virtual void decaf::net::ServerSocket::close ( ) throw (decaf::io::IOException) [virtual]

Closes the server socket, causing any Threads blocked on an accept call to throw an Exception.

Exceptions

IOException	if an I/O error occurs while performing this operation.

6.712.3.6 void decaf::net::ServerSocket::ensureCreated ( ) const throw (decaf::io::IOException) [protected]

6.712.3.7 virtual int decaf::net::ServerSocket::getDefaultBacklog ( ) [protected, virtual]

Allows a subclass to override what is considered the default backlog.

Returns

the default backlog for connections.

6.712.3.8 virtual int decaf::net::ServerSocket::getLocalPort ( ) const [virtual]

Gets the port number on the Local machine that this **ServerSocket** (p. 3447) is bound to.

Returns

the port number of this machine that is bound, if not bound returns -1.

6.712.3.9 virtual int decaf::net::ServerSocket::getReceiveBufferSize ( ) const throw (SocketException) [virtual]

Gets the receive buffer size for this socket, SO_RCVBUF.

This is the buffer used by the underlying platform socket to buffer received data.

Returns

the receive buffer size in bytes.

Exceptions

SocketException *(p. 3627)*	if the operation fails.

6.712.3.10 virtual bool decaf::net::ServerSocket::getReuseAddress ( ) const throw (SocketException) [virtual]

Gets the reuse address flag, SO_REUSEADDR.

Returns

True if the address can be reused.

Exceptions

SocketException *(p. 3627)*	if the operation fails.

6.712.3.11 virtual int decaf::net::ServerSocket::getSoTimeout ( ) const throw (SocketException) [virtual]

Gets the timeout for socket operations, SO_TIMEOUT.

Returns

The timeout in milliseconds for socket operations.

Exceptions

SocketException *(p. 3627)*	Thrown if unable to retrieve the information.

6.712.3.12 virtual void decaf::net::ServerSocket::implAccept (Socket * *socket*) throw (decaf::io::IOException) [protected, virtual]

Virtual method that allows a **ServerSocket** (p. 3447) subclass to override the accept call and provide its own **SocketImpl** (p. 3635) for the socket.

Parameters

socket	The socket object whose **SocketImpl** (p. 3635) should be used for the accept call.

Exceptions

IOException	if an I/O error occurs while performing this operation.

6.712.3.13 virtual bool decaf::net::ServerSocket::isBound ( ) const [virtual]

Returns

true of the server socket is bound.

6.712.3.14 virtual bool decaf::net::ServerSocket::isClosed ( ) const [virtual]

Returns

true if the close method has been called on the **ServerSocket** (p. 3447).

6.712.3.15 virtual void decaf::net::ServerSocket::setReceiveBufferSize (int *size*) throw (SocketException, decaf::lang::exceptions::IllegalArgumentException) [virtual]

Sets the receive buffer size for this socket, SO_RCVBUF.

Parameters

size	Number of bytes to set the receive buffer to.

Exceptions

SocketException *(p. 3627)*	if the operation fails.
IllegalArgumentException	if the value is zero or negative.

6.712.3.16 virtual void decaf::net::ServerSocket::setReuseAddress (bool *reuse*) throw (SocketException) [virtual]

Sets the reuse address flag, SO_REUSEADDR.

Parameters

reuse	If true, sets the flag.

Exceptions

SocketException *(p. 3627)*	if the operation fails.

6.712.3.17 static void decaf::net::ServerSocket::setSocketImplFactory (SocketImplFactory * *factory*) throw (decaf::io::IOException, decaf::net::SocketException) [static]

Sets the instance of a **SocketImplFactory** (p. 3644) that the **ServerSocket** (p. 3447) class should use when new instances of this class are created.

This method is only allowed to be used once during the lifetime of the application.

Parameters

factory	The instance of a **SocketImplFactory** (p. 3644) to use when new **SocketImpl** (p. 3635) objects are created.

Exceptions

IOException	if an I/O error occurs while performing this operation.
SocketException *(p. 3627)*	if this method has already been called with a valid factory.

6.712.3.18 virtual void decaf::net::ServerSocket::setSoTimeout (int *timeout*) throw (SocketException, decaf::lang::exceptions::IllegalArgumentException) [virtual]

Sets the timeout for socket operations, SO_TIMEOUT.

A value of zero indicates that timeout is infinite for operations on this socket.

Parameters

timeout	The timeout in milliseconds for socket operations.

Exceptions

SocketException *(p. 3627)*	Thrown if unable to set the information.
IllegalArgumentException	if the timeout value is negative.

6.712.3.19 void decaf::net::ServerSocket::setupSocketImpl (int *port*, int *backlog*, const InetAddress * *ifAddress*) [protected]

6.712.3.20 virtual std::string decaf::net::ServerSocket::toString ( ) const [virtual]

Returns

a string representing this **ServerSocket** (p. 3447).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**ServerSocket.h**

6.713 decaf::net::ServerSocketFactory Class Reference

Class used to create Server Sockets, subclasses can be created that create certain types of server sockets according to specific policies.

`#include <src/main/decaf/net/ServerSocketFactory.h>`

Inheritance diagram for decaf::net::ServerSocketFactory:

Public Member Functions

- virtual ∼**ServerSocketFactory** ()
- virtual **ServerSocket** ∗ **createServerSocket** ()

  *Create a new **ServerSocket** (p. 3447) that is unbound.*

- virtual **ServerSocket** ∗ **createServerSocket** (int port)=0

  *Create a new **ServerSocket** (p. 3447) that is bound to the given port.*

- virtual **ServerSocket** ∗ **createServerSocket** (int port, int backlog)=0

  *Create a new **ServerSocket** (p. 3447) that is bound to the given port.*

- virtual **ServerSocket** ∗ **createServerSocket** (int port, int backlog, const **InetAddress** ∗address)=0

  *Create a new **ServerSocket** (p. 3447) that is bound to the given port.*

Static Public Member Functions

- static **ServerSocketFactory** ∗ **getDefault** ()

  *Returns the Default **ServerSocket** (p. 3447) factory, the pointer is owned by the Decaf runtime and should not be deleted by the caller.*

Protected Member Functions

- **ServerSocketFactory** ()

6.713.1 Detailed Description

Class used to create Server Sockets, subclasses can be created that create certain types of server sockets according to specific policies.

Since

1.0

6.713.2 Constructor & Destructor Documentation

6.713.2.1 decaf::net::ServerSocketFactory::ServerSocketFactory ( ) [protected]

6.713.2.2 virtual decaf::net::ServerSocketFactory::~ServerSocketFactory ( ) [virtual]

6.713.3 Member Function Documentation

6.713.3.1 virtual ServerSocket* decaf::net::ServerSocketFactory::createServerSocket ( ) [virtual]

Create a new **ServerSocket** (p. 3447) that is unbound.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Reimplemented in **decaf::internal::net::DefaultServerSocketFactory** (p. 1736), **decaf::internal::net::ssl::DefaultSSLServerSocketFactory** (p. 1747), and **decaf::internal::net::ssl::openssl::C** (p. 2938).

6.713.3.2 virtual ServerSocket* decaf::net::ServerSocketFactory::createServerSocket (int *port*) [pure virtual]

Create a new **ServerSocket** (p. 3447) that is bound to the given port.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Implemented in **decaf::internal::net::DefaultServerSocketFactory** (p. 1738), **decaf::internal::net::ssl::DefaultSSLServerSocketFactory** (p. 1747), and **decaf::internal::net::ssl::openssl::OpenSSLSer** (p. 2938).

6.713.3.3 virtual ServerSocket* decaf::net::ServerSocketFactory::createServerSocket (int *port*, int *backlog*, const InetAddress * *address*) [pure virtual]

Create a new **ServerSocket** (p. 3447) that is bound to the given port.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will bind to the specified interface on the local host, and accept connections only on that interface. If the address parameter is NULL than the **ServerSocket** (p. 3447) will listen on all interfaces.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.
backlog	The number of pending connect request the **ServerSocket** (p. 3447) can queue.
address	The address of the interface on the local machine to bind to.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Implemented in **decaf::internal::net::DefaultServerSocketFactory** (p. 1737), **decaf::internal::net::ssl::DefaultSSLServerSocketFactory** (p. 1748), and **decaf::internal::net::ssl::openssl::OpenSSLSer** (p. 2939).

6.713.3.4 virtual ServerSocket* decaf::net::ServerSocketFactory::createServerSocket (int *port*, int *backlog*) [pure virtual]

Create a new **ServerSocket** (p. 3447) that is bound to the given port.

The **ServerSocket** (p. 3447) will have been configured with the defaults from the factory. The **ServerSocket** (p. 3447) will use the specified connection backlog setting.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.
backlog	The number of pending connect request the **ServerSocket** (p. 3447) can queue.

Returns

new **ServerSocket** (p. 3447) pointer that is owned by the caller.

Exceptions

IOException	if the **ServerSocket** (p. 3447) cannot be created for some reason.

Implemented in **decaf::internal::net::DefaultServerSocketFactory** (p. 1737), **decaf::internal::net::ssl::DefaultSSLServerSocketFactory** (p. 1748), and **decaf::internal::net::ssl::openssl::C** (p. 2939).

6.713.3.5 static ServerSocketFactory* decaf::net::ServerSocketFactory::getDefault ( ) [static]

Returns the Default **ServerSocket** (p. 3447) factory, the pointer is owned by the Decaf runtime and should not be deleted by the caller.

Only one default **ServerSocketFactory** (p. 3457) exists for the lifetime of the Application.

Returns

the default **ServerSocketFactory** (p. 3457) for this application.

Reimplemented in **decaf::net::ssl::SSLServerSocketFactory** (p. 3669).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**ServerSocketFactory.h**

6.714 cms::Session Class Reference

A **Session** (p. 3460) object is a single-threaded context for producing and consuming messages.

`#include <src/main/cms/Session.h>`

Inheritance diagram for cms::Session:

Public Types

- enum **AcknowledgeMode** {

  AUTO_ACKNOWLEDGE, **DUPS_OK_ACKNOWLEDGE**, **CLIENT_ACKNOWLEDGE**, **SESSION_TRANSACTED**,

  INDIVIDUAL_ACKNOWLEDGE }

Public Member Functions

- virtual ~**Session** ()

- virtual void **close** ()=0 throw (CMSException)

  Closes this session as well as any active child consumers or producers.

- virtual void **commit** ()=0 throw (CMSException)

  Commits all messages done in this transaction and releases any locks currently held.

- virtual void **rollback** ()=0 throw (CMSException)

  Rolls back all messages done in this transaction and releases any locks currently held.

- virtual void **recover** ()=0 throw (CMSException)

  Stops message delivery in this session, and restarts message delivery with the oldest unacknowledged message.

- virtual **MessageConsumer** ∗ **createConsumer** (const **Destination** ∗destination)=0 throw (CMSException)

  *Creates a **MessageConsumer** (p. 2674) for the specified destination.*

- virtual **MessageConsumer** ∗ **createConsumer** (const **Destination** ∗destination, const std::string &selector)=0 throw (CMSException)

  *Creates a **MessageConsumer** (p. 2674) for the specified destination, using a message selector.*

- virtual **MessageConsumer** ∗ **createConsumer** (const **Destination** ∗destination, const std::string &selector, bool noLocal)=0 throw (CMSException)

  *Creates a **MessageConsumer** (p. 2674) for the specified destination, using a message selector.*

- virtual **MessageConsumer** ∗ **createDurableConsumer** (const **Topic** ∗destination, const std::string &name, const std::string &selector, bool noLocal=false)=0 throw (CMSException)

  *Creates a durable subscriber to the specified topic, using a **Message** (p. 2614) selector.*

- virtual **MessageProducer** ∗ **createProducer** (const **Destination** ∗destination)=0 throw (CMSException)

  *Creates a **MessageProducer** (p. 2809) to send messages to the specified destination.*

- virtual **QueueBrowser** ∗ **createBrowser** (const **cms::Queue** ∗queue)=0 throw (CMSException)

  *Creates a new **QueueBrowser** (p. 3243) to peek at Messages on the given **Queue** (p. 3238).*

- virtual **QueueBrowser** ∗ **createBrowser** (const **cms::Queue** ∗queue, const std::string &selector)=0 throw (CMSException)

  *Creates a new **QueueBrowser** (p. 3243) to peek at Messages on the given **Queue** (p. 3238).*

- virtual **Queue** ∗ **createQueue** (const std::string &queueName)=0 throw (CMSException)

  *Creates a queue identity given a **Queue** (p. 3238) name.*

- virtual **Topic** ∗ **createTopic** (const std::string &topicName)=0 throw (CMSException)

  *Creates a topic identity given a **Queue** (p. 3238) name.*

- virtual **TemporaryQueue** ∗ **createTemporaryQueue** ()=0 throw (CMSException)

  *Creates a **TemporaryQueue** (p. 3871) object.*

- virtual **TemporaryTopic** ∗ **createTemporaryTopic** ()=0 throw (CMSException)

  *Creates a **TemporaryTopic** (p. 3873) object.*

- virtual **Message** ∗ **createMessage** ()=0 throw (CMSException)

  *Creates a new **Message** (p. 2614).*

- virtual **BytesMessage** ∗ **createBytesMessage** ()=0 throw (CMSException)

  *Creates a **BytesMessage** (p. 1079).*

- virtual **BytesMessage** ∗ **createBytesMessage** (const unsigned char ∗bytes, int bytesSize)=0 throw (CMSException)

  *Creates a **BytesMessage** (p. 1079) and sets the payload to the passed value.*

- virtual **StreamMessage** ∗ **createStreamMessage** ()=0 throw (CMSException)

  *Creates a new **StreamMessage** (p. 3760).*

- virtual **TextMessage** ∗ **createTextMessage** ()=0 throw (CMSException)

  *Creates a new **TextMessage** (p. 3874).*

- virtual **TextMessage** ∗ **createTextMessage** (const std::string &text)=0 throw (CMSException)

  *Creates a new **TextMessage** (p. 3874) and set the text to the value given.*

- virtual **MapMessage** ∗ **createMapMessage** ()=0 throw (CMSException)

  *Creates a new **MapMessage** (p. 2551).*

- virtual **AcknowledgeMode getAcknowledgeMode** () const =0 throw (CMSException)

  Returns the acknowledgment mode of the session.

- virtual bool **isTransacted** () const =0 throw (CMSException)

  *Gets if the Sessions is a Transacted **Session** (p. 3460).*

- virtual void **unsubscribe** (const std::string &name)=0 throw (CMSException)

  Unsubscribes a durable subscription that has been created by a client.

6.714.1 Detailed Description

A **Session** (p. 3460) object is a single-threaded context for producing and consuming messages. A session serves several purposes:

- It is a factory for its message producers and consumers.
- It supplies provider-optimized message factories.
- It is a factory for TemporaryTopics and TemporaryQueues.
- It provides a way to create **Queue** (p. 3238) or **Topic** (p. 3930) objects for those clients that need to dynamically manipulate provider-specific destination names.
- It supports a single series of transactions that combine work spanning its producers and consumers into atomic units.
- It defines a serial order for the messages it consumes and the messages it produces.
- It retains messages it consumes until they have been acknowledged.
- It serializes execution of message listeners registered with its message consumers.

A session can create and service multiple message producers and consumers.

One typical use is to have a thread block on a synchronous **MessageConsumer** (p. 2674) until a message arrives. The thread may then use one or more of the Session's MessageProducers.

If a client desires to have one thread produce messages while others consume them, the client should use a separate session for its producing thread.

Certain rules apply to a session's `close` method and are detailed below.

- There is no need to close the producers and consumers of a closed session.
- The close call will block until a receive call or message listener in progress has completed. A blocked message consumer receive call returns null when this session is closed.
- Closing a transacted session must roll back the transaction in progress.
- The close method is the only **Session** (p. 3460) method that can be called concurrently.
- Invoking any other **Session** (p. 3460) method on a closed session must throw an **IllegalStateException** (p. 2059). Closing a closed session must not throw any exceptions.

Transacted Sessions

When a **Session** (p. 3460) is created it can be set to operate in a Transaction based mode. Each **Session** (p. 3460) then operates in a single transaction for all Producers and Consumers of that **Session** (p. 3460). Messages sent and received within a Transaction are grouped into an atomic unit that is committed or rolled back together.

For a **MessageProducer** (p. 2809) this implies that all messages sent by the producer are not sent to the Provider unit the commit call is made. Rolling back the Transaction results in all produced Messages being dropped.

For a **MessageConsumer** (p. 2674) this implies that all received messages are not Acknowledged until the Commit call is made. Rolling back the Transaction results in all Consumed **Message** (p. 2614) being redelivered to the client, the Provider may allow configuration that limits the Maximum number of redeliveries for a **Message** (p. 2614).

Since

1.0

6.714.2 Member Enumeration Documentation

6.714.2.1 enum cms::Session::AcknowledgeMode

Enumerator:

AUTO_ACKNOWLEDGE With this acknowledgment mode, the session automatically acknowledges a client's receipt of a message either when the session has successfully returned from a call to receive or when the message listener the session has called to process the message successfully returns.

DUPS_OK_ACKNOWLEDGE With this acknowledgment mode, the session automatically acknowledges a client's receipt of a message either when the session has successfully returned from a call to receive or when the message listener the session has called to process the message successfully returns. Acknowledgments may be delayed in this mode to increase performance at the cost of the message being redelivered this client fails.

CLIENT_ACKNOWLEDGE With this acknowledgment mode, the client acknowledges a consumed message by calling the message's acknowledge method.

SESSION_TRANSACTED Messages will be consumed when the transaction commits.

INDIVIDUAL_ACKNOWLEDGE **Message** (p. 2614) will be acknowledged individually. Normally the acks sent acknowledge the given message and all messages received before it, this mode only acknowledges one message.

6.714.3 Constructor & Destructor Documentation

6.714.3.1 virtual cms::Session::~Session ( ) [inline, virtual]

6.714.4 Member Function Documentation

6.714.4.1 virtual void cms::Session::close ( ) throw (CMSException) [pure virtual]

Closes this session as well as any active child consumers or producers.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implements **cms::Closeable** (p. 1180).

Implemented in **activemq::cmsutil::PooledSession** (p. 3045), and **activemq::core::ActiveMQSession** (p. 518).

6.714.4.2 virtual void cms::Session::commit ( ) throw (CMSException) [pure virtual]

Commits all messages done in this transaction and releases any locks currently held.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.
IllegalStateException *(p. 2059)*	- if the method is not called by a transacted session.

Implemented in **activemq::cmsutil::PooledSession** (p. 3045), and **activemq::core::ActiveMQSession** (p. 518).

Referenced by activemq::cmsutil::PooledSession::commit().

6.714.4.3 virtual QueueBrowser* cms::Session::createBrowser (const cms::Queue * *queue*) throw (CMSException) [pure virtual]

Creates a new **QueueBrowser** (p. 3243) to peek at Messages on the given **Queue** (p. 3238).

Parameters

queue	the **Queue** (p. 3238) to browse

Returns

New **QueueBrowser** (p. 3243) that is owned by the caller.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.
InvalidDestinationException *(p. 2200)*	- if the destination given is invalid.

Implemented in **activemq::cmsutil::PooledSession** (p. 3046), and **activemq::core::ActiveMQSession** (p. 518).

6.714.4.4 virtual QueueBrowser* cms::Session::createBrowser (const cms::Queue * *queue,* const std::string & *selector*) throw (CMSException) [pure virtual]

Creates a new **QueueBrowser** (p. 3243) to peek at Messages on the given **Queue** (p. 3238).

Parameters

queue	the **Queue** (p. 3238) to browse
selector	the **Message** (p. 2614) selector to filter which messages are browsed.

Returns

New **QueueBrowser** (p. 3243) that is owned by the caller.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.
InvalidDestinationException *(p. 2200)*	- if the destination given is invalid.

Implemented in **activemq::cmsutil::PooledSession** (p. 3045), and **activemq::core::ActiveMQSession** (p. 519).

6.714.4.5 virtual BytesMessage* cms::Session::createBytesMessage ( ) throw (CMSException) [pure virtual]

Creates a **BytesMessage** (p. 1079).

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3046), and **activemq::core::ActiveMQSession** (p. 519).

6.714.4.6 virtual BytesMessage* cms::Session::createBytesMessage (const unsigned char * *bytes*, int *bytesSize*) throw (CMSException) [pure virtual]

Creates a **BytesMessage** (p. 1079) and sets the payload to the passed value.

Parameters

bytes	an array of bytes to set in the message
bytesSize	the size of the bytes array, or number of bytes to use

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3047), and **activemq::core::ActiveMQSession** (p. 520).

6.714.4.7 virtual MessageConsumer* cms::Session::createConsumer (const Destination * *destination*) throw (CMSException) [pure virtual]

Creates a **MessageConsumer** (p. 2674) for the specified destination.

Parameters

destination	the **Destination** (p. 1776) that this consumer receiving messages for.

Returns

pointer to a new **MessageConsumer** (p. 2674) that is owned by the caller (caller deletes)

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.
InvalidDestinationException *(p. 2200)*	- if an invalid destination is specified.

Implemented in **activemq::cmsutil::PooledSession** (p. 3048), and **activemq::core::ActiveMQSession** (p. 521).

6.714.4.8 virtual MessageConsumer* cms::Session::createConsumer (const Destination * *destination*, const std::string & *selector*) throw (CMSException) [pure virtual]

Creates a **MessageConsumer** (p. 2674) for the specified destination, using a message selector.

Parameters

destination	the **Destination** (p. 1776) that this consumer receiving messages for.
selector	the **Message** (p. 2614) Selector to use

Returns

pointer to a new **MessageConsumer** (p. 2674) that is owned by the caller (caller deletes)

Exceptions

CMSException (p. *1190*)	- If an internal error occurs.
InvalidDestinationException (p. *2200*)	- if an invalid destination is specified.
InvalidSelectorException (p. *2206*)	- if the message selector is invalid.

Implemented in **activemq::cmsutil::PooledSession** (p. 3048), and **activemq::core::ActiveMQSession** (p. 520).

6.714.4.9 virtual MessageConsumer* cms::Session::createConsumer (const Destination * *destination*, const std::string & *selector*, bool *noLocal*) throw (CMSException) [pure virtual]

Creates a **MessageConsumer** (p. 2674) for the specified destination, using a message selector.

Parameters

destination	the **Destination** (p. 1776) that this consumer receiving messages for.
selector	the **Message** (p. 2614) Selector to use
noLocal	if true, and the destination is a topic, inhibits the delivery of messages published by its own connection. The behavior for NoLocal is not specified if the destination is a queue.

Returns

pointer to a new **MessageConsumer** (p. 2674) that is owned by the caller (caller deletes)

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.
InvalidDestinationException *(p. 2200)*	- if an invalid destination is specified.
InvalidSelectorException *(p. 2206)*	- if the message selector is invalid.

Implemented in **activemq::cmsutil::PooledSession** (p. 3049), and **activemq::core::ActiveMQSession** (p. 520).

6.714.4.10 virtual MessageConsumer* cms::Session::createDurableConsumer (const Topic * *destination,* const std::string & *name,* const std::string & *selector,* bool *noLocal* = `false`) throw (CMSException) `[pure virtual]`

Creates a durable subscriber to the specified topic, using a **Message** (p. 2614) selector.

Sessions that create durable consumers must use the same client Id as was used the last time the subscription was created in order to receive all messages that were delivered while the client was offline.

Parameters

destination	the topic to subscribe to
name	The name used to identify the subscription
selector	the **Message** (p. 2614) Selector to use
noLocal	if true, and the destination is a topic, inhibits the delivery of messages published by its own connection. The behavior for NoLocal is not specified if the destination is a queue.

Returns

pointer to a new durable **MessageConsumer** (p. 2674) that is owned by the caller (caller deletes)

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.
InvalidDestinationException *(p. 2200)*	- if an invalid destination is specified.
InvalidSelectorException *(p. 2206)*	- if the message selector is invalid.

Implemented in **activemq::cmsutil::PooledSession** (p. 3049), and **activemq::core::ActiveMQSession** (p. 521).

6.714.4.11 virtual MapMessage* cms::Session::createMapMessage ( ) throw (CMSException) [pure virtual]

Creates a new **MapMessage** (p. 2551).

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3050), and **activemq::core::ActiveMQSession** (p. 522).

6.714.4.12 virtual Message* cms::Session::createMessage ( ) throw (CMSException) [pure virtual]

Creates a new **Message** (p. 2614).

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3050), and **activemq::core::ActiveMQSession** (p. 522).

6.714.4.13 virtual MessageProducer* cms::Session::createProducer (const Destination * *destination*) throw (CMSException) [pure virtual]

Creates a **MessageProducer** (p. 2809) to send messages to the specified destination.

Parameters

destination	the **Destination** (p. 1776) to send on

Returns

New **MessageProducer** (p. 2809) that is owned by the caller.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.
InvalidDestinationException *(p. 2200)*	- if an invalid destination is specified.

Implemented in **activemq::cmsutil::PooledSession** (p. 3051), and **activemq::core::ActiveMQSession** (p. 522).

6.714.4.14 virtual Queue* cms::Session::createQueue (const std::string & *queueName*) throw (CMSException) [pure virtual]

Creates a queue identity given a **Queue** (p. 3238) name.

Parameters

queueName	the name of the new **Queue** (p. 3238)

Returns

new **Queue** (p. 3238) pointer that is owned by the caller.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3051), and **activemq::core::ActiveMQSession** (p. 522).

6.714.4.15 virtual StreamMessage* cms::Session::createStreamMessage ( ) throw (CMSException) [pure virtual]

Creates a new **StreamMessage** (p. 3760).

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3052), and **activemq::core::ActiveMQSession** (p. 523).

6.714.4.16 virtual TemporaryQueue* cms::Session::createTemporaryQueue ( ) throw (CMSException) [pure virtual]

Creates a **TemporaryQueue** (p. 3871) object.

Returns

new **TemporaryQueue** (p. 3871) pointer that is owned by the caller.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3052), and **activemq::core::ActiveMQSession** (p. 523).

6.714.4.17 virtual TemporaryTopic* cms::Session::createTemporaryTopic ( ) throw (CMSException) [pure virtual]

Creates a **TemporaryTopic** (p. 3873) object.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3052), and **activemq::core::ActiveMQSession** (p. 523).

6.714.4.18 virtual TextMessage* cms::Session::createTextMessage (const std::string & *text*) throw (CMSException) [pure virtual]

Creates a new **TextMessage** (p. 3874) and set the text to the value given.

Parameters

text	the initial text for the message

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3052), and **activemq::core::ActiveMQSession** (p. 524).

6.714.4.19 virtual TextMessage* cms::Session::createTextMessage ( ) throw (CMSException) [pure virtual]

Creates a new **TextMessage** (p. 3874).

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3053), and **activemq::core::ActiveMQSession** (p. 524).

6.714.4.20 virtual Topic* cms::Session::createTopic (const std::string & *topicName*) throw (CMSException) [pure virtual]

Creates a topic identity given a **Queue** (p. 3238) name.

Parameters

topicName	the name of the new **Topic** (p. 3930)

Returns

new **Topic** (p. 3930) pointer that is owned by the caller.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3053), and **activemq::core::ActiveMQSession** (p. 524).

6.714.4.21 virtual AcknowledgeMode cms::Session::getAcknowledgeMode ( ) const throw (CMSException) [pure virtual]

Returns the acknowledgment mode of the session.

Returns

the Sessions Acknowledge Mode

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3053), and **activemq::core::ActiveMQSession** (p. 525).

6.714.4.22 virtual bool cms::Session::isTransacted ( ) const throw (CMSException) [pure virtual]

Gets if the Sessions is a Transacted **Session** (p. 3460).

Returns

transacted true - false.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3054), and **activemq::core::ActiveMQSession** (p. 528).

6.714.4.23 virtual void cms::Session::recover ( ) throw (CMSException) [pure virtual]

Stops message delivery in this session, and restarts message delivery with the oldest unacknowledged message.

All consumers deliver messages in a serial order. Acknowledging a received message automatically acknowledges all messages that have been delivered to the client.

Restarting a session causes it to take the following actions:

- Stop message delivery
- Mark all messages that might have been delivered but not acknowledged as "re-delivered"
- Restart the delivery sequence including all unacknowledged messages that had been previously delivered. Redelivered messages do not have to be delivered in exactly their original delivery order.

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to stop and restart message delivery due to some internal error.
IllegalStateException *(p. 2059)*	- if the method is called by a transacted session.

Implemented in **activemq::cmsutil::PooledSession** (p. 3054), and **activemq::core::ActiveMQSession** (p. 528).

6.714.4.24 virtual void cms::Session::rollback ( ) throw (CMSException) [pure virtual]

Rolls back all messages done in this transaction and releases any locks currently held.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.
IllegalStateException *(p. 2059)*	- if the method is not called by a transacted session.

Implemented in **activemq::cmsutil::PooledSession** (p. 3055), and **activemq::core::ActiveMQSession** (p. 530).

6.714.4.25 virtual void cms::Session::unsubscribe (const std::string & *name*) throw (CMSException) [pure virtual]

Unsubscribes a durable subscription that has been created by a client.

This method deletes the state being maintained on behalf of the subscriber by its provider. It is erroneous for a client to delete a durable subscription while there is an active **MessageConsumer** (p. 2674) or Subscriber for the subscription, or while a consumed message is part of a pending transaction or has not been acknowledged in the session.

Parameters

name	The name used to identify this subscription

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::cmsutil::PooledSession** (p. 3055), and **activemq::core::ActiveMQSession** (p. 531).

The documentation for this class was generated from the following file:

- src/main/cms/**Session.h**

6.715 activemq::cmsutil::SessionCallback Class Reference

Callback for executing any number of operations on a provided CMS Session.

`#include <src/main/activemq/cmsutil/SessionCallback.h>`

Inheritance diagram for activemq::cmsutil::SessionCallback:

Public Member Functions

- virtual ~**SessionCallback** ()
- virtual void **doInCms** (**cms::Session** *session)=0 throw (cms::CMSException)

  Execute any number of operations against the supplied CMS session.

6.715.1 Detailed Description

Callback for executing any number of operations on a provided CMS Session.

6.715.2 Constructor & Destructor Documentation

6.715.2.1 virtual activemq::cmsutil::SessionCallback::~SessionCallback ( ) [inline, virtual]

6.715.3 Member Function Documentation

6.715.3.1 virtual void activemq::cmsutil::SessionCallback::doInCms (cms::Session * *session*) throw (cms::CMSException) [pure virtual]

Execute any number of operations against the supplied CMS session.

Parameters

session	the CMS `Session`

Exceptions

cms::CMSException (p. *1190*)	if thrown by CMS API methods

Implemented in **activemq::cmsutil::CmsTemplate::ProducerExecutor** (p. 3156), and **activemq::cmsutil::CmsTemplate::ReceiveExecutor** (p. 3266).

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**SessionCallback.h**

6.716 activemq::commands::SessionId Class Reference

`#include <src/main/activemq/commands/SessionId.h>`

Inheritance diagram for activemq::commands::SessionId:

Public Types

- typedef **decaf::lang::PointerComparator**< **SessionId** > **COMPARATOR**

Public Member Functions

- **SessionId** ()
- **SessionId** (const **SessionId** &other)
- **SessionId** (const **ConnectionId** *__connectionId__, long long sessionId)
- **SessionId** (const **ProducerId** *producerId)
- **SessionId** (const **ConsumerId** *consumerId)

- virtual ~**SessionId** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **SessionId** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ***value**) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- const **Pointer**< **ConnectionId** > & **getParentId** () const
- virtual const std::string & **getConnectionId** () const
- virtual std::string & **getConnectionId** ()
- virtual void **setConnectionId** (const std::string &**connectionId**)
- virtual long long **getValue** () const
- virtual void **setValue** (long long **value**)
- virtual int **compareTo** (const **SessionId** &**value**) const
- virtual bool **equals** (const **SessionId** &**value**) const
- virtual bool **operator==** (const **SessionId** &**value**) const
- virtual bool **operator**< (const **SessionId** &**value**) const
- **SessionId** & **operator=** (const **SessionId** &other)

Static Public Attributes

- static const unsigned char **ID_SESSIONID** = 121

Protected Attributes

- std::string **connectionId**
- long long **value**

6.716.1 Member Typedef Documentation

6.716.1.1 typedef decaf::lang::PointerComparator<SessionId> activemq::commands::SessionId::COMPARATOR

6.716.2 Constructor & Destructor Documentation

6.716.2.1 activemq::commands::SessionId::SessionId ( )

6.716.2.2 activemq::commands::SessionId::SessionId (const SessionId & *other*)

6.716.2.3 activemq::commands::SessionId::SessionId (const ConnectionId * *connectionId,* long long *sessionId*)

6.716.2.4 activemq::commands::SessionId::SessionId (const ProducerId * *producerId*)

6.716.2.5 activemq::commands::SessionId::SessionId (const ConsumerId * *consumerId*)

6.716.2.6 virtual activemq::commands::SessionId::~SessionId ( ) [virtual]

6.716.3 Member Function Documentation

6.716.3.1 virtual SessionId* activemq::commands::SessionId::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.716.3.2 virtual int activemq::commands::SessionId::compareTo (const SessionId & *value*) const [virtual]

6.716.3.3 virtual void activemq::commands::SessionId::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

6.716.3.4 virtual bool activemq::commands::SessionId::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

6.716.3.5 virtual bool activemq::commands::SessionId::equals (const SessionId & *value*) const [virtual]

6.716.3.6 virtual std::string& activemq::commands::SessionId::getConnectionId ( ) [virtual]

6.716.3.7 virtual const std::string& activemq::commands::SessionId::getConnectionId ( ) const [virtual]

6.716.3.8 virtual unsigned char activemq::commands::SessionId::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.716.3.9 const Pointer<ConnectionId>& activemq::commands::SessionId::getParentId ( ) const

6.716.3.10 virtual long long activemq::commands::SessionId::getValue ( ) const [virtual]

6.716.3.11 virtual bool activemq::commands::SessionId::operator< (const SessionId & *value*) const [virtual]

6.716.3.12 SessionId& activemq::commands::SessionId::operator= (const SessionId & *other*)

6.716.3.13 virtual bool activemq::commands::SessionId::operator== (const SessionId & *value*) const [virtual]

6.716.3.14 virtual void activemq::commands::SessionId::setConnectionId (const std::string & *connectionId*) [virtual]

6.716.3.15 virtual void activemq::commands::SessionId::setValue (long long *value*) [virtual]

6.716.3.16 virtual std::string activemq::commands::SessionId::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

6.716.4 Field Documentation

6.716.4.1 std::string activemq::commands::SessionId::connectionId [protected]

6.716.4.2 const unsigned char activemq::commands::SessionId::ID_SESSIONID = 121 [static]

Referenced by activemq::state::CommandVisitorAdapter::processRemoveInfo().

6.716.4.3 long long activemq::commands::SessionId::value [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**SessionId.h**

6.717 activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3481).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/SessionIdMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller:

Public Member Functions

- **SessionIdMarshaller** ()
- virtual ~**SessionIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.717.1 Detailed Description

Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3481). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.717.2 Constructor & Destructor Documentation

6.717.2.1 activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller::SessionIdMarshaller ( ) [inline]

6.717.2.2 virtual activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller::~SessionIdMarshaller ( ) [inline, virtual]

6.717.3 Member Function Documentation

6.717.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.717.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.717.3.3 virtual void activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.717.3.4 virtual void activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.717.3.5 virtual int activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.717.3.6 virtual void activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.717.3.7 virtual void activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**SessionIdMarshaller.h**

6.718 activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3485).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/SessionIdMarshaller.h>`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller:

Public Member Functions

- **SessionIdMarshaller** ()
- virtual ∼**SessionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.718.1 Detailed Description

Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3485). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.718.2 Constructor & Destructor Documentation

6.718.2.1 activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller::SessionIdMarshaller ( ) [inline]

6.718.2.2 virtual activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller::~SessionIdMarshaller ( ) [inline, virtual]

6.718.3 Member Function Documentation

6.718.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.718.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.718.3.3 virtual void activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.718.3.4 virtual void activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.718.3.5 virtual int activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.718.3.6 virtual void activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.718.3.7 virtual void activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**SessionIdMarshaller.h**

6.719 activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3489).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/SessionIdMarshaller.h>`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller:

Public Member Functions

- **SessionIdMarshaller** ()
- virtual ∼**SessionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.719.1 Detailed Description

Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3489). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.719.2 Constructor & Destructor Documentation

6.719.2.1 activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller::SessionIdMarshaller ( ) [inline]

6.719.2.2 virtual activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller::~SessionIdMarshaller ( ) [inline, virtual]

6.719.3 Member Function Documentation

6.719.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.719.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.719.3.3 virtual void activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.719.3.4 virtual void activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.719.3.5 virtual int activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.719.3.6 virtual void activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.719.3.7 virtual void activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**SessionIdMarshaller.h**

6.720 activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3493).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/SessionIdMarshaller.h>`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller:

Public Member Functions

- **SessionIdMarshaller** ()
- virtual ∼**SessionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.720.1 Detailed Description

Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3493). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.720.2 Constructor & Destructor Documentation

6.720.2.1 activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller::SessionIdMarshaller ( ) [inline]

6.720.2.2 virtual activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller::~SessionIdMarshaller ( ) [inline, virtual]

6.720.3 Member Function Documentation

6.720.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.720.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.720.3.3 virtual void activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.720.3.4 virtual void activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.720.3.5 virtual int activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.720.3.6 virtual void activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.720.3.7 virtual void activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**SessionIdMarshaller.h**

6.721 activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3497).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/SessionIdMarshaller.h>`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller:

Public Member Functions

- **SessionIdMarshaller** ()
- virtual ∼**SessionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.721.1 Detailed Description

Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3497). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.721.2 Constructor & Destructor Documentation

6.721.2.1 activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller::SessionIdMarshaller ( ) [inline]

6.721.2.2 virtual activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller::~SessionIdMarshaller ( ) [inline, virtual]

6.721.3 Member Function Documentation

6.721.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.721.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.721.3.3 virtual void activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.721.3.4 virtual void activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.721.3.5 virtual int activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.721.3.6 virtual void activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.721.3.7 virtual void activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**SessionIdMarshaller.h**

6.722 activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3501).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/SessionIdMarshaller.h>`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller:

Public Member Functions

- **SessionIdMarshaller** ()
- virtual ∼**SessionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.722.1 Detailed Description

Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3501). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.722.2 Constructor & Destructor Documentation

6.722.2.1 activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller::SessionIdMarshaller ( ) [inline]

6.722.2.2 virtual activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller::~SessionIdMarshaller ( ) [inline, virtual]

6.722.3 Member Function Documentation

6.722.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.722.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.722.3.3 virtual void activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.722.3.4 virtual void activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.722.3.5 virtual int activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.722.3.6 virtual void activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.722.3.7 virtual void activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**SessionIdMarshaller.h**

6.723 activemq::commands::SessionInfo Class Reference

`#include <src/main/activemq/commands/SessionInfo.h>`

Inheritance diagram for activemq::commands::SessionInfo:

Public Member Functions

- **SessionInfo** ()
- virtual ~**SessionInfo** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **SessionInfo** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- unsigned int **getAckMode** () const
- void **setAckMode** (unsigned int mode)
- **Pointer**< **RemoveInfo** > **createRemoveCommand** () const
- virtual const **Pointer**< **SessionId** > & **getSessionId** () const
- virtual **Pointer**< **SessionId** > & **getSessionId** ()
- virtual void **setSessionId** (const **Pointer**< **SessionId** > &**sessionId**)
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** ∗visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_SESSIONINFO** = 4

Protected Attributes

- **Pointer< SessionId > sessionId**

6.723.1 Constructor & Destructor Documentation

6.723.1.1 activemq::commands::SessionInfo::SessionInfo ( )

6.723.1.2 virtual activemq::commands::SessionInfo::~SessionInfo ( ) [virtual]

6.723.2 Member Function Documentation

6.723.2.1 virtual SessionInfo* activemq::commands::SessionInfo::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.723.2.2 virtual void activemq::commands::SessionInfo::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.723.2.3 Pointer<RemoveInfo> activemq::commands::SessionInfo::createRemoveCommand ( ) const

6.723.2.4 virtual bool activemq::commands::SessionInfo::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.723.2.5 unsigned int activemq::commands::SessionInfo::getAckMode ( ) const [inline]

6.723.2.6 virtual unsigned char activemq::commands::SessionInfo::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.723.2.7 virtual const Pointer<SessionId>& activemq::commands::SessionInfo::getSessionId ( ) const [virtual]

6.723.2.8 virtual Pointer<SessionId>& activemq::commands::SessionInfo::getSessionId ( ) [virtual]

6.723.2.9 void activemq::commands::SessionInfo::setAckMode (unsigned int *mode*) [inline]

6.723.2.10 virtual void activemq::commands::SessionInfo::setSessionId (const Pointer< SessionId > & *sessionId*) [virtual]

6.723.2.11 virtual std::string activemq::commands::SessionInfo::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.723.2.12 virtual Pointer<Command> activemq::commands::SessionInfo::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.723.3 Field Documentation

6.723.3.1 const unsigned char activemq::commands::SessionInfo::ID_-SESSIONINFO = 4 [static]

6.723.3.2 Pointer<SessionId> activemq::commands::SessionInfo::sessionId [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**SessionInfo.h**

6.724 activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3508).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/SessionInfoMars
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller:

Public Member Functions

- **SessionInfoMarshaller** ()

- virtual ~**SessionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.724.1 Detailed Description

Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3508). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.724.2 Constructor & Destructor Documentation

6.724.2.1 activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller::SessionInfoMarshaller ( ) [inline]

6.724.2.2 virtual activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller::~SessionInfoMarshaller ( ) [inline, virtual]

6.724.3 Member Function Documentation

6.724.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.724.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.724.3.3 virtual void activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.724.3.4 virtual void activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.724.3.5 virtual int activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.724.3.6 virtual void activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.724.3.7 virtual void activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**SessionInfoMarshaller.h**

6.725 activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3513).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/SessionInfoMarshaller.h>`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller:

Public Member Functions

- **SessionInfoMarshaller** ()
- virtual ∼**SessionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.725.1 Detailed Description

Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3513). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.725.2 Constructor & Destructor Documentation

6.725.2.1 activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller::SessionInfoMarshaller ( ) [inline]

6.725.2.2 virtual activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller::~SessionInfoMarshaller ( ) [inline, virtual]

6.725.3 Member Function Documentation

6.725.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.725.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.725.3.3 virtual void activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.725.3.4 virtual void activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.725.3.5 virtual int activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.725.3.6 virtual void activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.725.3.7 virtual void activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**SessionInfoMarshaller.h**

6.726 activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3517).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/SessionInfoMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller:

Public Member Functions

- **SessionInfoMarshaller** ()
- virtual ∼**SessionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.726.1 Detailed Description

Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3517). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.726.2 Constructor & Destructor Documentation

6.726.2.1 activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller::SessionInfoMarshaller ( ) [inline]

6.726.2.2 virtual activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller::∼SessionInfoMarshaller ( ) [inline, virtual]

6.726.3 Member Function Documentation

6.726.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.726.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.726.3.3 virtual void activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.726.3.4 virtual void activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.726.3.5 virtual int activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.726.3.6 virtual void activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.726.3.7 virtual void activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**SessionInfoMarshaller.h**

6.727 activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3521).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/SessionInfoMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller:

Public Member Functions

- **SessionInfoMarshaller** ()
- virtual ~**SessionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.727.1 Detailed Description

Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3521). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.727.2 Constructor & Destructor Documentation

6.727.2.1 activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller::SessionInfoMarshaller ( ) [inline]

6.727.2.2 virtual activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller::∼SessionInfoMarshaller ( ) [inline, virtual]

6.727.3 Member Function Documentation

6.727.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.727.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.727.3.3 virtual void activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.727.3.4 virtual void activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.727.3.5 virtual int activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.727.3.6 virtual void activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.727.3.7 virtual void activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**SessionInfoMarshaller.h**

6.728 activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3525).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/SessionInfoMarshaller.h>
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller:

Public Member Functions

- **SessionInfoMarshaller** ()
- virtual ~**SessionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.728.1 Detailed Description

Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3525). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.728.2 Constructor & Destructor Documentation

6.728.2.1 activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller::SessionInfoMarshaller ( ) [inline]

6.728.2.2 virtual activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller::~SessionInfoMarshaller ( ) [inline, virtual]

6.728.3 Member Function Documentation

6.728.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.728.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.728.3.3 virtual void activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.728.3.4 virtual void activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.728.3.5 virtual int activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.728.3.6 virtual void activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.728.3.7 virtual void activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**SessionInfoMarshaller.h**

6.729 activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3530).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/SessionInfoMars`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller:

Public Member Functions

- **SessionInfoMarshaller** ()
- virtual ∼**SessionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.729.1 Detailed Description

Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3530). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.729.2 Constructor & Destructor Documentation

6.729.2.1 activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller::SessionInfoMarshaller ( ) [inline]

6.729.2.2 virtual activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller::~SessionInfoMarshaller ( ) [inline, virtual]

6.729.3 Member Function Documentation

6.729.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.729.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.729.3.3 virtual void activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.729.3.4 virtual void activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.729.3.5 virtual int activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.729.3.6 virtual void activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.729.3.7 virtual void activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**SessionInfoMarshaller.h**

6.730 activemq::cmsutil::SessionPool Class Reference

A pool of CMS sessions from the same connection and with the same acknowledge mode.

`#include <src/main/activemq/cmsutil/SessionPool.h>`

Public Member Functions

- **SessionPool** (**cms::Connection** ∗connection, **cms::Session::AcknowledgeMode** ackMode, **ResourceLifecycleManager** ∗resourceLifecycleManager)

  Constructs a session pool.

- virtual ∼**SessionPool** ()

  Destroys the pooled session objects, but not the underlying session resources.

- virtual **PooledSession** ∗ **takeSession** () throw (cms::CMSException)

  Takes a session from the pool, creating one if necessary.

- virtual void **returnSession** (**PooledSession** ∗session)

  Returns a session to the pool.

- **ResourceLifecycleManager** ∗ **getResourceLifecycleManager** ()

Protected Member Functions

- **SessionPool** (const **SessionPool** &)
- **SessionPool** & **operator=** (const **SessionPool** &)

6.730.1 Detailed Description

A pool of CMS sessions from the same connection and with the same acknowledge mode. Internal session resources are managed through a provided **`ResourceLifecycleManager`** (p. 3376), not by this pool. This class is thread-safe.

6.730.2 Constructor & Destructor Documentation

6.730.2.1 activemq::cmsutil::SessionPool::SessionPool (const SessionPool &) [inline, protected]

6.730.2.2 activemq::cmsutil::SessionPool::SessionPool (cms::Connection * *connection,* cms::Session::AcknowledgeMode *ackMode,* ResourceLifecycleManager * *resourceLifecycleManager*)

Constructs a session pool.

Parameters

connection	the connection to be used for creating all sessions.
ackMode	the acknowledge mode to be used for all sessions
resourceLifecycleManager	the object responsible for managing the lifecycle of any allocated **cms::Session** (p. 3460) resources.

6.730.2.3 virtual activemq::cmsutil::SessionPool::~SessionPool ( ) [virtual]

Destroys the pooled session objects, but not the underlying session resources.

That is the job of the **ResourceLifecycleManager** (p. 3376).

6.730.3 Member Function Documentation

6.730.3.1 ResourceLifecycleManager* activemq::cmsutil::SessionPool::getResourceLifecycleManager ( ) [inline]

6.730.3.2 SessionPool& activemq::cmsutil::SessionPool::operator= (const SessionPool &) [inline, protected]

6.730.3.3 virtual void activemq::cmsutil::SessionPool::returnSession (PooledSession * *session*) [virtual]

Returns a session to the pool.

Parameters

session	the session to be returned.

6.730.3.4 virtual PooledSession* activemq::cmsutil::SessionPool::takeSession ( ) throw (cms::CMSException) [virtual]

Takes a session from the pool, creating one if necessary.

Returns

the pooled session object

Exceptions

cms::CMSException *(p. 1190)*	if an error occurred

The documentation for this class was generated from the following file:

- src/main/activemq/cmsutil/**SessionPool.h**

6.731 activemq::state::SessionState Class Reference

```
#include <src/main/activemq/state/SessionState.h>
```

Public Member Functions

- **SessionState** (const **Pointer**< **SessionInfo** > &info)
- virtual ~**SessionState** ()
- std::string **toString** () const
- const **Pointer**< **SessionInfo** > **getInfo** () const
- void **addProducer** (const **Pointer**< **ProducerInfo** > &info)
- **Pointer**< **ProducerState** > **removeProducer** (const **Pointer**< **ProducerId** > &id)
- void **addConsumer** (const **Pointer**< **ConsumerInfo** > &info)
- **Pointer**< **ConsumerState** > **removeConsumer** (const **Pointer**< **ConsumerId** > &id)
- std::vector< **Pointer**< **ProducerState** > > **getProducerStates** () const
- **Pointer**< **ProducerState** > **getProducerState** (const **Pointer**< **ProducerId** > &id)
- std::vector< **Pointer**< **ConsumerState** > > **getConsumerStates** () const
- **Pointer**< **ConsumerState** > **getConsumerState** (const **Pointer**< **ConsumerId** > &id)
- void **checkShutdown** () const
- void **shutdown** ()

6.731.1 Constructor & Destructor Documentation

6.731.1.1 activemq::state::SessionState::SessionState (const Pointer< SessionInfo > & *info*)

6.731.1.2 virtual activemq::state::SessionState::~SessionState ( ) [virtual]

6.731.2 Member Function Documentation

6.731.2.1 void activemq::state::SessionState::addConsumer (const Pointer< ConsumerInfo > & *info*) [inline]

6.731.2.2 void activemq::state::SessionState::addProducer (const Pointer< ProducerInfo > & *info*)

6.731.2.3 void activemq::state::SessionState::checkShutdown ( ) const

6.731.2.4 Pointer<ConsumerState> activemq::state::SessionState::getConsumerState (const Pointer< ConsumerId > & *id*) [inline]

6.731.2.5 std::vector< Pointer<ConsumerState> > activemq::state::SessionState::getConsumerStates ( ) const [inline]

6.731.2.6 const Pointer<SessionInfo> activemq::state::SessionState::getInfo ( ) const [inline]

6.731.2.7 Pointer<ProducerState> activemq::state::SessionState::getProducerState (const Pointer< ProducerId > & *id*) [inline]

6.731.2.8 std::vector< Pointer<ProducerState> > activemq::state::SessionState::getProducerStates ( ) const [inline]

6.731.2.9 Pointer<ConsumerState> activemq::state::SessionState::removeConsumer (const Pointer< ConsumerId > & *id*) [inline]

6.731.2.10 Pointer<ProducerState> activemq::state::SessionState::removeProducer (const Pointer< ProducerId > & *id*)

6.731.2.11 void activemq::state::SessionState::shutdown ( ) [inline]

6.731.2.12 std::string activemq::state::SessionState::toString ( ) const

The documentation for this class was generated from the following file:

- src/main/activemq/state/**SessionState.h**

6.732 decaf::util::Set< E > Class Template Reference

A collection that contains no duplicate elements.

`#include <src/main/decaf/util/Set.h>`

Inheritance diagram for decaf::util::Set< E >:

Public Member Functions

- virtual ~**Set** ()

6.732.1 Detailed Description

template<typename E> class decaf::util::Set< E >

A collection that contains no duplicate elements. More formally, sets contain no pair of elements e1 and e2 such that e1 == e2, and at most one null element. As implied by its name, this interface models the mathematical set abstraction.

The additional stipulation on constructors is, not surprisingly, that all constructors must create a set that contains no duplicate elements (as defined above).

Note: Great care must be exercised if mutable objects are used as set elements. The behavior of a set is not specified if the value of an object is changed in a manner that affects equals comparisons while the object is an element in the set.

Since

1.0

6.732.2 Constructor & Destructor Documentation

6.732.2.1 template<typename E> virtual decaf::util::Set< E >::~Set ( ) [inline, virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/util/**Set.h**

6.733 decaf::lang::Short Class Reference

`#include <src/main/decaf/lang/Short.h>`

Inheritance diagram for decaf::lang::Short:

Public Member Functions

- **Short** (short value)
- **Short** (const std::string &value) throw (exceptions::NumberFormatException)
- virtual ~**Short** ()
- virtual int **compareTo** (const **Short** &s) const

  *Compares this **Short** (p. 3538) instance with another.*

- bool **equals** (const **Short** &s) const
- virtual bool **operator==** (const **Short** &s) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const **Short** &s) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- virtual int **compareTo** (const short &s) const

  *Compares this **Short** (p. 3538) instance with another.*

- bool **equals** (const short &s) const
- virtual bool **operator==** (const short &s) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const short &s) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- std::string **toString** () const
- virtual double **doubleValue** () const

  Answers the double value which the receiver represents.

- virtual float **floatValue** () const

  Answers the float value which the receiver represents.

- virtual unsigned char **byteValue** () const

  Answers the byte value which the receiver represents.

- virtual short **shortValue** () const

  Answers the short value which the receiver represents.

- virtual int **intValue** () const

  Answers the int value which the receiver represents.

- virtual long long **longValue** () const

  Answers the long value which the receiver represents.

Static Public Member Functions

- static std::string **toString** (short value)
- static **Short decode** (const std::string &value) throw (exceptions::NumberFormatException)

  *Decodes a **String** (p. 3775) into a **Short** (p. 3538).*

- static short **reverseBytes** (short value)

  Returns the value obtained by reversing the order of the bytes in the two's complement representation of the specified short value.

- static short **parseShort** (const std::string &s, int radix) throw (exceptions::NumberFormatException)

  Parses the string argument as a signed short in the radix specified by the second argument.

- static short **parseShort** (const std::string &s) throw (exceptions::NumberFormatException)

  Parses the string argument as a signed decimal short.

- static **Short valueOf** (short value)

  *Returns a **Short** (p. 3538) instance representing the specified short value.*

- static **Short valueOf** (const std::string &value) throw (exceptions::NumberFormatException)

  *Returns a **Short** (p. 3538) object holding the value given by the specified std::string.*

- static **Short valueOf** (const std::string &value, int radix) throw (exceptions::NumberFormatException)

  *Returns a **Short** (p. 3538) object holding the value extracted from the specified std::string when parsed with the radix given by the second argument.*

Static Public Attributes

- static const int **SIZE** = 16

  Size of this objects primitive type in bits.

- static const short **MAX_VALUE** = (short)0x7FFF

  Max Value for this Object's primitive type.

- static const short **MIN_VALUE** = (short)0x8000

  Max Value for this Object's primitive type.

6.733.1 Constructor & Destructor Documentation

6.733.1.1 decaf::lang::Short::Short (short *value*)

Parameters

value	- short to wrap

6.733.1.2 decaf::lang::Short::Short (const std::string & *value*) throw (exceptions::NumberFormatException)

Parameters

value	- string value to convert to short and wrap

Exceptions

NumberFormatException	

6.733.1.3 virtual decaf::lang::Short::~Short ( ) [inline, virtual]

6.733.2 Member Function Documentation

6.733.2.1 virtual unsigned char decaf::lang::Short::byteValue ( ) const [inline, virtual]

Answers the byte value which the receiver represents.

Returns

int the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2919).

6.733.2.2 virtual int decaf::lang::Short::compareTo (const short & *s*) const [virtual]

Compares this **Short** (p. 3538) instance with another.

Parameters

s	- the **Short** (p. 3538) instance to be compared

Returns

zero if this object represents the same short value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object repesents a value less than the passed in value.

Implements **decaf::lang::Comparable**< **short** > (p. 1249).

6.733.2.3 virtual int decaf::lang::Short::compareTo (const Short & *s*) const [virtual]

Compares this **Short** (p. 3538) instance with another.

Parameters

s	- the **Short** (p. 3538) instance to be compared

Returns

zero if this object represents the same short value as the argument; a positive value if this object represents a value greater than the passed in value, and -1 if this object repesents a value less than the passed in value.

Implements **decaf::lang::Comparable**< **Short** > (p. 1249).

6.733.2.4 static Short decaf::lang::Short::decode (const std::string & *value*) throw (exceptions::NumberFormatException) [static]

Decodes a **String** (p. 3775) into a **Short** (p. 3538).

Accepts decimal, hexadecimal, and octal numbers given by the following grammar:

The sequence of characters following an (optional) negative sign and/or radix specifier ("0x", "0X", "#", or leading zero) is parsed as by the **Short.parseShort** (p. 3545) method with the indicated radix (10, 16, or 8). This sequence of characters must represent a positive value or a NumberFormatException will be thrown. The result is negated if first character of the specified **String** (p. 3775) is the minus sign. No whitespace characters are permitted in the string.

Parameters

value	- The string to decode

Returns

a **Short** (p. 3538) object containing the decoded value

Exceptions

NumberFomatException	if the string is not formatted correctly.

6.733.2.5 virtual double decaf::lang::Short::doubleValue ( ) const [inline, virtual]

Answers the double value which the receiver represents.

Returns

double the value of the receiver.

Implements **decaf::lang::Number** (p. 2919).

6.733.2.6 bool decaf::lang::Short::equals (const Short & *s*) const [inline, virtual]

Returns

true if the two **Short** (p. 3538) Objects have the same value.

Implements **decaf::lang::Comparable**< **Short** > (p. 1250).

6.733.2.7 bool decaf::lang::Short::equals (const short & *s*) const [inline, virtual]

Returns

true if the two **Short** (p. 3538) Objects have the same value.

Implements **decaf::lang::Comparable**< **short** > (p. 1250).

6.733.2.8 virtual float decaf::lang::Short::floatValue ( ) const [inline, virtual]

Answers the float value which the receiver represents.

Returns

float the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.733.2.9 virtual int decaf::lang::Short::intValue ( ) const [inline, virtual]

Answers the int value which the receiver represents.

Returns

int the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.733.2.10 virtual long long decaf::lang::Short::longValue ( ) const [inline, virtual]

Answers the long value which the receiver represents.

Returns

long the value of the receiver.

Implements **decaf::lang::Number** (p. 2920).

6.733.2.11 virtual bool decaf::lang::Short::operator< (const Short & *s*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

s	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< Short >** (p. 1250).

6.733.2.12 virtual bool decaf::lang::Short::operator< (const short & *s*) const [inline, virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

s	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< short >** (p. 1250).

6.733.2.13 virtual bool decaf::lang::Short::operator== (const Short & *s*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

s	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< Short >** (p. 1250).

6.733.2.14 virtual bool decaf::lang::Short::operator== (const short & *s*) const [inline, virtual]

Compares equality between this object and the one passed.

Parameters

s	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

Implements **decaf::lang::Comparable< short >** (p. 1250).

6.733.2.15 static short decaf::lang::Short::parseShort (const std::string & *s*, int *radix*) throw (exceptions::NumberFormatException) [static]

Parses the string argument as a signed short in the radix specified by the second argument.

The characters in the string must all be digits, of the specified radix (as determined by whether **Character.digit(char, int)** (p. 1130) returns a nonnegative value) except that the first character may be an ASCII minus sign '-' to indicate a negative value. The resulting byte value is returned.

An exception of type NumberFormatException is thrown if any of the following situations occurs: ∗ The first argument is null or is a string of length zero. ∗ The radix is either smaller than **Character.MIN_RADIX** (p. 1134) or larger than **Character.MAX_RADIX** (p. 1134). ∗ Any character of the string is not a digit of the specified radix, except that the first character may be a minus sign '-' provided that the string is longer than length 1. ∗ The value represented by the string is not a value of type short.

Parameters

s	- the **String** (p. 3775) containing the short representation to be parsed
radix	- the radix to be used while parsing s

Returns

the short represented by the string argument in the specified radix.

Exceptions

NumberFormatException	- If **String** (p. 3775) does not contain a parsable short.

6.733.2.16 static short decaf::lang::Short::parseShort (const std::string & *s*) throw (exceptions::NumberFormatException) [static]

Parses the string argument as a signed decimal short.

The characters in the string must all be decimal digits, except that the first character may be an ASCII minus sign '-' to indicate a negative value. The resulting short value is returned, exactly as if the argument and the radix 10 were given as arguments to the parseShort(const std::string, int) method.

Parameters

s	- **String** (p. 3775) to convert to a short

Returns

the converted short value

Exceptions

NumberFormatException	if the string is not a short.

6.733.2.17 static short decaf::lang::Short::reverseBytes (short *value*) [static]

Returns the value obtained by reversing the order of the bytes in the two's complement representation of the specified short value.

Parameters

value	- the short whose bytes we are to reverse

Returns

the reversed short.

6.733.2.18 virtual short decaf::lang::Short::shortValue ( ) const [inline, virtual]

Answers the short value which the receiver represents.

Returns

int the value of the receiver.

Reimplemented from **decaf::lang::Number** (p. 2920).

6.733.2.19 static std::string decaf::lang::Short::toString (short *value*) [static]

Returns

a string representing the primitive value as Base 10

6.733.2.20 std::string decaf::lang::Short::toString ( ) const

Returns

this **Short** (p. 3538) Object as a **String** (p. 3775) Representation

6.733.2.21 static Short decaf::lang::Short::valueOf (short *value*) [static]

Returns a **Short** (p. 3538) instance representing the specified short value.

Parameters

value	- the short to wrap

Returns

the new **Short** (p. 3538) object wrapping value.

6.733.2.22 static Short decaf::lang::Short::valueOf (const std::string & *value*) throw (exceptions::NumberFormatException) [static]

Returns a **Short** (p. 3538) object holding the value given by the specified std::string.

The argument is interpreted as representing a signed decimal short, exactly as if the argument were given to the parseShort(std::string) method. The result is a **Short** (p. 3538) object that represents the short value specified by the string.

Parameters

value	- std::string to parse as base 10

Returns

new **Short** (p. 3538) Object wrapping the primitive

Exceptions

NumberFormatException	if the string is not a decimal short.

6.733.2.23 static Short decaf::lang::Short::valueOf (const std::string & *value,* int *radix*) throw (exceptions::NumberFormatException) [static]

Returns a **Short** (p. 3538) object holding the value extracted from the specified std::string when parsed with the radix given by the second argument.

The first argument is interpreted as representing a signed short in the radix specified by the second argument, exactly as if the argument were given to the parseShort(std::string, int) method. The result is a **Short** (p. 3538) object that represents the short

value specified by the string.

Parameters

value	- std::string to parse as base (radix)
radix	- base of the string to parse.

Returns

new **Short** (p. 3538) Object wrapping the primitive

Exceptions

NumberFormatException	if the string is not a valid short.

6.733.3 Field Documentation

6.733.3.1 const short decaf::lang::Short::MAX_VALUE = (short)0x7FFF [static]

Max Value for this Object's primitive type.

6.733.3.2 const short decaf::lang::Short::MIN_VALUE = (short)0x8000 [static]

Max Value for this Object's primitive type.

6.733.3.3 const int decaf::lang::Short::SIZE = 16 [static]

Size of this objects primitive type in bits.

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Short.h**

6.734 decaf::internal::nio::ShortArrayBuffer Class Reference

`#include <src/main/decaf/internal/nio/ShortArrayBuffer.h>`

Inheritance diagram for decaf::internal::nio::ShortArrayBuffer:

Public Member Functions

- **ShortArrayBuffer** (int size, bool readOnly=false) throw (decaf::lang::exceptions::IllegalArgumentExcep
)

*Creates a **ShortArrayBuffer** (p. 3548) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.*

- **ShortArrayBuffer** (short *array, int size, int offset, int length, bool readOnly=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  *Creates a **ShortArrayBuffer** (p. 3548) object that wraps the given array.*

- **ShortArrayBuffer** (const **decaf::lang::Pointer**< **ByteArrayAdapter** > &array, int offset, int length, bool readOnly=false) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

- **ShortArrayBuffer** (const **ShortArrayBuffer** &other)

  *Create a **ShortArrayBuffer** (p. 3548) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.*

- virtual ~**ShortArrayBuffer** ()
- virtual short * **array** () throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException)

  Returns the short array that backs this buffer (optional operation).
  Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.
  Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

  Returns

  *the array that backs this **Buffer** (p. 936)*

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this **Buffer** (p. 936) is read only.*
UnsupportedOperationException	*if the underlying store has no array.*

- virtual int **arrayOffset** () throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException)

  Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).
  Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

  Returns

  The offset into the backing array where index zero starts.

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this **Buffer** (p. 936) is read only.*

UnsupportedOperationException	*if the underlying store has no array.*

- virtual ShortBuffer * **asReadOnlyBuffer** () const

  Creates a new, read-only short buffer that shares this buffer's content.
  The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.
  If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.
  The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

  Returns

  The new, read-only short buffer which the caller then owns.

- virtual ShortBuffer & **compact** () throw (decaf::nio::ReadOnlyBufferException)

  Compacts this buffer.
  *The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.*
  The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

  Returns

  *a reference to this **ShortBuffer** (p. 3560).*

  Exceptions

ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual ShortBuffer * **duplicate** ()

  Creates a new short buffer that shares this buffer's content.
  The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

  Returns

  *a new short **Buffer** (p. 936) which the caller owns.*

- virtual short **get** () throw (decaf::nio::BufferUnderflowException)

Relative get method.
Reads the value at this buffer's current position, and then increments the position.

Returns

the short at the current position.

Exceptions

BufferUnderflowException (p. 967)	*if there no more data to return.*

- virtual short **get** (int index) const throw (lang::exceptions::IndexOutOfBoundsException)

Absolute get method.
Reads the value at the given index.

Parameters

index	*The index in the **Buffer** (p. 936) where the short is to be read.*

Returns

the short that is located at the given index.

Exceptions

IndexOutOfBoundsException	*if index is not smaller than the buffer's limit, or the index is negative.*

- virtual bool **hasArray** () const

Tells whether or not this buffer is backed by an accessible short array.
If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only.

- virtual bool **isReadOnly** () const

Tells whether or not this buffer is read-only.

Returns

true if, and only if, this buffer is read-only.

- virtual ShortBuffer & **put** (short value) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException)

Writes the given shorts into this buffer at the current position, and then increments the position.

Parameters

value	*The shorts value to be written.*

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. 964)	*if this buffer's current position is not smaller than its limit.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual ShortBuffer & **put** (int index, short value) throw (lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException)

  Writes the given shorts into this buffer at the given index.

  Parameters

index	*The position in the **Buffer** (p. 936) to write the data.*
value	*The shorts to write.*

  Returns

  a reference to this buffer.

  Exceptions

IndexOutOfBoundsException	*if index greater than the buffer's limit minus the size of the type being written.*
ReadOnlyBufferException (p. 3260)	*if this buffer is read-only.*

- virtual ShortBuffer ∗ **slice** () const

  *Creates a new **ShortBuffer** (p. 3560) whose content is a shared subsequence of this buffer's content.*
  The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.
  The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

  Returns

  *the newly create **ShortBuffer** (p. 3560) which the caller owns.*

Protected Member Functions

- virtual void **setReadOnly** (bool value)

  *Sets this **ShortArrayBuffer** (p. 3548) as Read-Only.*

6.734.1 Constructor & Destructor Documentation

6.734.1.1 decaf::internal::nio::ShortArrayBuffer::ShortArrayBuffer (int *size*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::IllegalArgumentException)

Creates a **ShortArrayBuffer** (p. 3548) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

size	The size of the array, this is the limit we read and write to.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

IllegalArguementException	if the capacity value is negative.

6.734.1.2 decaf::internal::nio::ShortArrayBuffer::ShortArrayBuffer (short * *array*, int *size*, int *offset*, int *length*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a **ShortArrayBuffer** (p. 3548) object that wraps the given array.

If the own flag is set then it will delete this array when this object is deleted.

Parameters

array	The actual array to wrap.
size	The size of the given array.
offset	The position that is this buffers start position.
length	The limit of how many bytes into the array this Buffer can write.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

NullPointerException	if buffer is NULL
IndexOutOfBoundsException	if offset is greater than array capacity.

6.734.1.3 decaf::internal::nio::ShortArrayBuffer::ShortArrayBuffer (const decaf::lang::Pointer< ByteArrayAdapter > & *array*, int *offset*, int *length*, bool *readOnly* = `false`) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Creates a byte buffer that wraps the passed ByteArrayAdapter and start at the given offset.

The capacity and limit of the new **ShortArrayBuffer** (p. 3548) will be that of the remaining capacity of the passed buffer.

Parameters

array	The ByteArrayAdapter to wrap.
offset	The position that is this buffers start position.
length	The limit of how many bytes into the array this Buffer can write.
readOnly	Boolean indicating if this buffer should be read-only, default as false.

Exceptions

NullPointerException	if array is NULL
IndexOutOfBoundsException	if offset + length is greater than array size.

6.734.1.4 decaf::internal::nio::ShortArrayBuffer::ShortArrayBuffer (const ShortArrayBuffer & *other*)

Create a **ShortArrayBuffer** (p. 3548) that mirrors this one, meaning it shares a reference to this buffers ByteArrayAdapter and when changes are made to that data it is reflected in both.

Parameters

other	The **ShortArrayBuffer** (p. 3548) this one is to mirror.

6.734.1.5 virtual decaf::internal::nio::ShortArrayBuffer::~ShortArrayBuffer ( ) `[virtual]`

6.734.2 Member Function Documentation

6.734.2.1 virtual short* decaf::internal::nio::ShortArrayBuffer::array ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException) `[virtual]`

Returns the short array that backs this buffer (optional operation).

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

the array that backs this **Buffer** (p. 936)

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implements **decaf::nio::ShortBuffer** (p. 3563).

6.734.2.2 virtual int decaf::internal::nio::ShortArrayBuffer::arrayOffset ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::nio::ReadOnlyBufferException) [virtual]

Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset into the backing array where index zero starts.

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implements **decaf::nio::ShortBuffer** (p. 3564).

6.734.2.3 virtual ShortBuffer* decaf::internal::nio::ShortArrayBuffer::asReadOnlyBuffer ( ) const [virtual]

Creates a new, read-only short buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and

will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only short buffer which the caller then owns.

Implements **decaf::nio::ShortBuffer** (p. 3564).

6.734.2.4 virtual ShortBuffer& decaf::internal::nio::ShortArrayBuffer::compact ( ) throw (decaf::nio::ReadOnlyBufferException) [virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **ShortBuffer** (p. 3560).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implements **decaf::nio::ShortBuffer** (p. 3565).

6.734.2.5 virtual ShortBuffer* decaf::internal::nio::ShortArrayBuffer::duplicate ( ) [virtual]

Creates a new short buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new short **Buffer** (p. 936) which the caller owns.

Implements **decaf::nio::ShortBuffer** (p. 3565).

6.734.2.6 virtual short decaf::internal::nio::ShortArrayBuffer::get ( ) throw (decaf::nio::BufferUnderflowException) [virtual]

Relative get method.

Reads the value at this buffer's current position, and then increments the position.

Returns

the short at the current position.

Exceptions

BufferUnderflowException *(p. 967)*	if there no more data to return.

Implements **decaf::nio::ShortBuffer** (p. 3567).

6.734.2.7 virtual short decaf::internal::nio::ShortArrayBuffer::get (int *index*) const throw (lang::exceptions::IndexOutOfBoundsException) [virtual]

Absolute get method.

Reads the value at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the short is to be read.

Returns

the short that is located at the given index.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit, or the index is negative.

Implements **decaf::nio::ShortBuffer** (p. 3566).

6.734.2.8 virtual bool decaf::internal::nio::ShortArrayBuffer::hasArray ( ) const [inline, virtual]

Tells whether or not this buffer is backed by an accessible short array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only.

Implements **decaf::nio::ShortBuffer** (p. 3568).

6.734.2.9 virtual bool decaf::internal::nio::ShortArrayBuffer::isReadOnly ( ) const [inline, virtual]

Tells whether or not this buffer is read-only.

Returns

true if, and only if, this buffer is read-only.

Implements **decaf::nio::Buffer** (p. 940).

6.734.2.10 virtual ShortBuffer& decaf::internal::nio::ShortArrayBuffer::put (int *index*, short *value*) throw (lang::exceptions::IndexOutOfBoundsException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes the given shorts into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The shorts to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written.
ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implements **decaf::nio::ShortBuffer** (p. 3569).

6.734.2.11 virtual ShortBuffer& decaf::internal::nio::ShortArrayBuffer::put (short *value*) throw (decaf::nio::BufferOverflowException, decaf::nio::ReadOnlyBufferException) [virtual]

Writes the given shorts into this buffer at the current position, and then increments the position.

Parameters

value	The shorts value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if this buffer's current position is not smaller than its limit.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implements **decaf::nio::ShortBuffer** (p. 3568).

6.734.2.12 virtual void decaf::internal::nio::ShortArrayBuffer::setReadOnly (bool *value*) [inline, protected, virtual]

Sets this **ShortArrayBuffer** (p. 3548) as Read-Only.

Parameters

value	Boolean value, true if this buffer is to be read-only, false otherwise.

6.734.2.13 virtual ShortBuffer* decaf::internal::nio::ShortArrayBuffer::slice ( ) const [virtual]

Creates a new **ShortBuffer** (p. 3560) whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **ShortBuffer** (p. 3560) which the caller owns.

Implements **decaf::nio::ShortBuffer** (p. 3571).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/nio/**ShortArrayBuffer.h**

6.735 decaf::nio::ShortBuffer Class Reference

This class defines four categories of operations upon short buffers:

`#include <src/main/decaf/nio/ShortBuffer.h>`

Inheritance diagram for decaf::nio::ShortBuffer:

Public Member Functions

- virtual ∼**ShortBuffer** ()
- virtual std::string **toString** () const
- virtual short ∗ **array** ()=0 throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException)

  Returns the short array that backs this buffer (optional operation).

- virtual int **arrayOffset** ()=0 throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException)

  Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

- virtual **ShortBuffer** ∗ **asReadOnlyBuffer** () const =0

  Creates a new, read-only short buffer that shares this buffer's content.

- virtual **ShortBuffer** & **compact** ()=0 throw (ReadOnlyBufferException)

  Compacts this buffer.

- virtual **ShortBuffer** ∗ **duplicate** ()=0

  Creates a new short buffer that shares this buffer's content.

- virtual short **get** ()=0 throw (BufferUnderflowException)

  Relative get method.

- virtual short **get** (int index) const =0 throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Absolute get method.

- **ShortBuffer** & **get** (std::vector< short > buffer) throw (BufferUnderflowException)

  Relative bulk get method.

- **ShortBuffer** & **get** (short *buffer, int size, int offset, int length) throw (BufferUnderflowException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  Relative bulk get method.

- virtual bool **hasArray** () const =0

  Tells whether or not this buffer is backed by an accessible short array.

- **ShortBuffer** & **put** (**ShortBuffer** &src) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IllegalArgumentException)

  This method transfers the shorts remaining in the given source buffer into this buffer.

- **ShortBuffer** & **put** (const short *buffer, int size, int offset, int length) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  This method transfers shorts into this buffer from the given source array.

- **ShortBuffer** & **put** (std::vector< short > &buffer) throw (BufferOverflowException, ReadOnlyBufferException)

  This method transfers the entire content of the given source shorts array into this buffer.

- virtual **ShortBuffer** & **put** (short value)=0 throw (BufferOverflowException, ReadOnlyBufferException)

  Writes the given shorts into this buffer at the current position, and then increments the position.

- virtual **ShortBuffer** & **put** (int index, short value)=0 throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException)

  Writes the given shorts into this buffer at the given index.

- virtual **ShortBuffer** * **slice** () const =0

  *Creates a new **ShortBuffer** (p. 3560) whose content is a shared subsequence of this buffer's content.*

- virtual int **compareTo** (const **ShortBuffer** &value) const

- virtual bool **equals** (const **ShortBuffer** &value) const

- virtual bool **operator==** (const **ShortBuffer** &value) const

- virtual bool **operator**< (const **ShortBuffer** &value) const

Static Public Member Functions

- static **ShortBuffer** ∗ **allocate** (int capacity) throw (decaf::lang::exceptions::IllegalArgumentException)

  Allocates a new Double buffer.

- static **ShortBuffer** ∗ **wrap** (short ∗array, int size, int offset, int length) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

  *Wraps the passed buffer with a new **ShortBuffer** (p. 3560).*

- static **ShortBuffer** ∗ **wrap** (std::vector< short > &buffer)

  *Wraps the passed STL short Vector in a **ShortBuffer** (p. 3560).*

Protected Member Functions

- **ShortBuffer** (int capacity) throw (decaf::lang::exceptions::IllegalArgumentException)

  *Creates a **ShortBuffer** (p. 3560) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.*

6.735.1 Detailed Description

This class defines four categories of operations upon short buffers: o Absolute and relative get and put methods that read and write single shorts; o Relative bulk get methods that transfer contiguous sequences of shorts from this buffer into an array; and o Relative bulk put methods that transfer contiguous sequences of shorts from a short array or some other short buffer into this buffer o Methods for compacting, duplicating, and slicing a short buffer.

Double buffers can be created either by allocation, which allocates space for the buffer's content, by wrapping an existing short array into a buffer, or by creating a view of an existing byte buffer

Methods in this class that do not otherwise have a value to return are specified to return the buffer upon which they are invoked. This allows method invocations to be chained.

6.735.2 Constructor & Destructor Documentation

6.735.2.1 decaf::nio::ShortBuffer::ShortBuffer (int *capacity*) throw (decaf::lang::exceptions::IllegalArgumentException) [protected]

Creates a **ShortBuffer** (p. 3560) object that has its backing array allocated internally and is then owned and deleted when this object is deleted.

The array is initially created with all elements initialized to zero.

Parameters

capacity	The size and limit of the **Buffer** (p. 936) in doubles

Exceptions

IllegalArguementException	if capacity is negative.

6.735.2.2 virtual decaf::nio::ShortBuffer::~ShortBuffer ( ) [inline, virtual]

6.735.3 Member Function Documentation

6.735.3.1 static ShortBuffer* decaf::nio::ShortBuffer::allocate (int *capacity*) throw (decaf::lang::exceptions::IllegalArgumentException) [static]

Allocates a new Double buffer.

The new buffer's position will be zero, its limit will be its capacity, and its mark will be undefined. It will have a backing array, and its array offset will be zero.

Parameters

capacity	The size of the Double buffer in shorts.

Returns

the **ShortBuffer** (p. 3560) that was allocated, caller owns.

6.735.3.2 virtual short* decaf::nio::ShortBuffer::array ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException) [pure virtual]

Returns the short array that backs this buffer (optional operation).

Modifications to this buffer's content will cause the returned array's content to be modified, and vice versa.

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

the array that backs this **Buffer** (p. 936)

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implemented in **decaf::internal::nio::ShortArrayBuffer** (p. 3554).

6.735.3.3 virtual int decaf::nio::ShortBuffer::arrayOffset ( ) throw (decaf::lang::exceptions::UnsupportedOperationException, ReadOnlyBufferException) [pure virtual]

Returns the offset within this buffer's backing array of the first element of the buffer (optional operation).

Invoke the hasArray method before invoking this method in order to ensure that this buffer has an accessible backing array.

Returns

The offset into the backing array where index zero starts.

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this **Buffer** (p. 936) is read only.
UnsupportedOperationException	if the underlying store has no array.

Implemented in **decaf::internal::nio::ShortArrayBuffer** (p. 3555).

6.735.3.4 virtual ShortBuffer* decaf::nio::ShortBuffer::asReadOnlyBuffer ( ) const [pure virtual]

Creates a new, read-only short buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer; the new buffer itself, however, will be read-only and will not allow the shared content to be modified. The two buffers' position, limit, and mark values will be independent.

If this buffer is itself read-only then this method behaves in exactly the same way as the duplicate method.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer.

Returns

The new, read-only short buffer which the caller then owns.

Implemented in **decaf::internal::nio::ShortArrayBuffer** (p. 3555).

6.735.3.5 virtual ShortBuffer& decaf::nio::ShortBuffer::compact ( ) throw (ReadOnlyBufferException) [pure virtual]

Compacts this buffer.

The bytes between the buffer's current position and its limit, if any, are copied to the beginning of the buffer. That is, the byte at index p = **position()** (p. 941) is copied to index zero, the byte at index p + 1 is copied to index one, and so forth until the byte at index **limit()** (p. 940) - 1 is copied to index n = **limit()** (p. 940) - 1 - p. The buffer's position is then set to n+1 and its limit is set to its capacity. The mark, if defined, is discarded.

The buffer's position is set to the number of bytes copied, rather than to zero, so that an invocation of this method can be followed immediately by an invocation of another relative put method.

Returns

a reference to this **ShortBuffer** (p. 3560).

Exceptions

ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implemented in **decaf::internal::nio::ShortArrayBuffer** (p. 3556).

6.735.3.6 virtual int decaf::nio::ShortBuffer::compareTo (const ShortBuffer & *value*) const [virtual]

6.735.3.7 virtual ShortBuffer* decaf::nio::ShortBuffer::duplicate ( ) [pure virtual]

Creates a new short buffer that shares this buffer's content.

The content of the new buffer will be that of this buffer. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's capacity, limit, position, and mark values will be identical to those of this buffer. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

a new short **Buffer** (p. 936) which the caller owns.

Implemented in **decaf::internal::nio::ShortArrayBuffer** (p. 3556).

6.735.3.8 virtual bool decaf::nio::ShortBuffer::equals (const ShortBuffer & *value*) const [virtual]

6.735.3.9 ShortBuffer& decaf::nio::ShortBuffer::get (std::vector< short > *buffer*) throw (BufferUnderflowException)

Relative bulk get method.

This method transfers values from this buffer into the given destination vector. An invocation of this method of the form src.get(a) behaves in exactly the same way as the invocation. The vector must be sized to the amount of data that is to be read, that is to say, the caller should call buffer.resize(N) before calling this get method.

Returns

a reference to this **Buffer** (p. 936).

Exceptions

BufferUnderflowException *(p. 967)*	if there are fewer than length shorts remaining in this buffer.

6.735.3.10 virtual short decaf::nio::ShortBuffer::get (int *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [pure virtual]

Absolute get method.

Reads the value at the given index.

Parameters

index	The index in the **Buffer** (p. 936) where the short is to be read.

Returns

the short that is located at the given index.

Exceptions

IndexOutOfBoundsException	if index is not smaller than the buffer's limit, or the index is negative.

Implemented in **decaf::internal::nio::ShortArrayBuffer** (p. 3557).

6.735.3.11 ShortBuffer& decaf::nio::ShortBuffer::get (short * *buffer,* int *size,* int *offset,* int *length*) throw (BufferUnderflowException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

Relative bulk get method.

This method transfers shorts from this buffer into the given destination array. If there are fewer shorts remaining in the buffer than are required to satisfy the request, that is, if length > **remaining()** (p. 941), then no bytes are transferred and a **BufferUnderflowException** (p. 967) is thrown.

Otherwise, this method copies length shorts from this buffer into the given array, starting at the current position of this buffer and at the given offset in the array. The position of this buffer is then incremented by length.

Parameters

buffer	The pointer to an allocated buffer to fill.
size	The size of the buffer provided.
offset	The position in the buffer to start filling.
length	The amount of data to put in the passed buffer.

Returns

a reference to this **Buffer** (p. 936).

Exceptions

BufferUnderflowException *(p. 967)*	if there are fewer than length shorts remaining in this buffer
NullPointerException	if the passed buffer is null.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.735.3.12 virtual short decaf::nio::ShortBuffer::get ( ) throw (BufferUnderflowException) `[pure virtual]`

Relative get method.

Reads the value at this buffer's current position, and then increments the position.

Returns

the short at the current position.

Exceptions

BufferUnderflowException (p. *967*)	if there no more data to return.

Implemented in **decaf::internal::nio::ShortArrayBuffer** (p. 3557).

6.735.3.13 virtual bool decaf::nio::ShortBuffer::hasArray ( ) const [pure virtual]

Tells whether or not this buffer is backed by an accessible short array.

If this method returns true then the array and arrayOffset methods may safely be invoked. Subclasses should override this method if they do not have a backing array as this class always returns true.

Returns

true if, and only if, this buffer is backed by an array and is not read-only.

Implemented in **decaf::internal::nio::ShortArrayBuffer** (p. 3558).

6.735.3.14 virtual bool decaf::nio::ShortBuffer::operator< (const ShortBuffer & *value*) const [virtual]

6.735.3.15 virtual bool decaf::nio::ShortBuffer::operator== (const ShortBuffer & *value*) const [virtual]

6.735.3.16 virtual ShortBuffer& decaf::nio::ShortBuffer::put (short *value*) throw (BufferOverflowException, ReadOnlyBufferException) [pure virtual]

Writes the given shorts into this buffer at the current position, and then increments the position.

Parameters

value	The shorts value to be written.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if this buffer's current position is not smaller than its limit.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

Implemented in **decaf::internal::nio::ShortArrayBuffer** (p. 3559).

6.735.3.17 virtual ShortBuffer& decaf::nio::ShortBuffer::put (int *index*, short *value*) throw (decaf::lang::exceptions::IndexOutOfBoundsException, ReadOnlyBufferException) [pure virtual]

Writes the given shorts into this buffer at the given index.

Parameters

index	The position in the **Buffer** (p. 936) to write the data.
value	The shorts to write.

Returns

a reference to this buffer.

Exceptions

IndexOutOfBoundsException	if index greater than the buffer's limit minus the size of the type being written.
ReadOnlyBufferException *(p. 3260)*	if this buffer is read-only.

Implemented in **decaf::internal::nio::ShortArrayBuffer** (p. 3558).

6.735.3.18 ShortBuffer& decaf::nio::ShortBuffer::put (const short * *buffer*, int *size*, int *offset*, int *length*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

This method transfers shorts into this buffer from the given source array.

If there are more shorts to be copied from the array than remain in this buffer, that is, if length > **remaining()** (p. 941), then no shorts are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies length bytes from the given array into this buffer, starting at the given offset in the array and at the current position of this buffer. The position of this buffer is then incremented by length.

Parameters

buffer	The array from which shorts are to be read.
size	The size of the buffer passed.
offset	The offset within the array of the first char to be read.
length	The number of shorts to be read from the given array.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only
NullPointerException	if the passed buffer is null.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.735.3.19 ShortBuffer& decaf::nio::ShortBuffer::put (std::vector< short > & *buffer*) throw (BufferOverflowException, ReadOnlyBufferException)

This method transfers the entire content of the given source shorts array into this buffer.

This is the same as calling put(&buffer[0], 0, buffer.size().

Parameters

buffer	The buffer whose contents are copied to this **ShortBuffer** (p. 3560).

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

6.735.3.20 ShortBuffer& decaf::nio::ShortBuffer::put (ShortBuffer & *src*) throw (BufferOverflowException, ReadOnlyBufferException, decaf::lang::exceptions::IllegalArgumentException)

This method transfers the shorts remaining in the given source buffer into this buffer.

If there are more shorts remaining in the source buffer than in this buffer, that is, if src.remaining() > **remaining()** (p. 941), then no shorts are transferred and a **BufferOverflowException** (p. 964) is thrown.

Otherwise, this method copies n = src.remaining() shorts from the given buffer into this buffer, starting at each buffer's current position. The positions of both buffers are then incremented by n.

Parameters

src	The buffer to take shorts from an place in this one.

Returns

a reference to this buffer.

Exceptions

BufferOverflowException (p. *964*)	if there is insufficient space in this buffer for the remaining shorts in the source buffer.
IllegalArgumentException	if the source buffer is this buffer.
ReadOnlyBufferException (p. *3260*)	if this buffer is read-only.

6.735.3.21 virtual ShortBuffer* decaf::nio::ShortBuffer::slice ( ) const [pure virtual]

Creates a new **ShortBuffer** (p. 3560) whose content is a shared subsequence of this buffer's content.

The content of the new buffer will start at this buffer's current position. Changes to this buffer's content will be visible in the new buffer, and vice versa; the two buffers' position, limit, and mark values will be independent.

The new buffer's position will be zero, its capacity and its limit will be the number of bytes remaining in this buffer, and its mark will be undefined. The new buffer will be read-only if, and only if, this buffer is read-only.

Returns

the newly create **ShortBuffer** (p. 3560) which the caller owns.

Implemented in **decaf::internal::nio::ShortArrayBuffer** (p. 3559).

6.735.3.22 virtual std::string decaf::nio::ShortBuffer::toString ( ) const [virtual]

Returns

a std::string describing this object

6.735.3.23 static ShortBuffer* decaf::nio::ShortBuffer::wrap (short * *array,* int *size,* int *offset,* int *length*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [static]

Wraps the passed buffer with a new **ShortBuffer** (p. 3560).

The new buffer will be backed by the given short array; that is, modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity will be array.length, its position will be offset, its limit will be offset + length, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

array	The array that will back the new buffer.
size	The size of the passed in array.
offset	The offset of the subarray to be used.
length	The length of the subarray to be used.

Returns

a new **ShortBuffer** (p. 3560) that is backed by buffer, caller owns.

Exceptions

NullPointerException	if the array pointer is NULL.
IndexOutOfBoundsException	if the preconditions of size, offset, or length are not met.

6.735.3.24 static ShortBuffer* decaf::nio::ShortBuffer::wrap (std::vector< short > & *buffer*) [static]

Wraps the passed STL short Vector in a **ShortBuffer** (p. 3560).

The new buffer will be backed by the given short array; modifications to the buffer will cause the array to be modified and vice versa. The new buffer's capacity and limit will be buffer.size(), its position will be zero, and its mark will be undefined. Its backing array will be the given array, and its array offset will be zero.

Parameters

buffer	The vector that will back the new buffer, the vector must have been sized to the desired size already by calling vector.resize(N).

Returns

a new **ShortBuffer** (p. 3560) that is backed by buffer, caller owns.

The documentation for this class was generated from the following file:

- src/main/decaf/nio/**ShortBuffer.h**

6.736 activemq::commands::ShutdownInfo Class Reference

`#include <src/main/activemq/commands/ShutdownInfo.h>`

Inheritance diagram for activemq::commands::ShutdownInfo:

Public Member Functions

- **ShutdownInfo** ()
- virtual ~**ShutdownInfo** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **ShutdownInfo** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual bool **isShutdownInfo** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_SHUTDOWNINFO** = 11

6.736.1 Constructor & Destructor Documentation

6.736.1.1 activemq::commands::ShutdownInfo::ShutdownInfo ( )

6.736.1.2 virtual activemq::commands::ShutdownInfo::~ShutdownInfo ( ) [virtual]

6.736.2 Member Function Documentation

6.736.2.1 virtual ShutdownInfo* activemq::commands::ShutdownInfo::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.736.2.2 virtual void activemq::commands::ShutdownInfo::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.736.2.3 virtual bool activemq::commands::ShutdownInfo::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.736.2.4 virtual unsigned char activemq::commands::ShutdownInfo::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.736.2.5 virtual bool activemq::commands::ShutdownInfo::isShutdownInfo ( ) const [inline, virtual]

Returns

an answer of true to the **isShutdownInfo()** (p. 3575) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.736.2.6 virtual std::string activemq::commands::ShutdownInfo::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.736.2.7 virtual Pointer<Command> activemq::commands::ShutdownInfo::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.736.3 Field Documentation

6.736.3.1 const unsigned char activemq::commands::ShutdownInfo::ID_-SHUTDOWNINFO = 11 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**ShutdownInfo.h**

6.737 activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3576).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/ShutdownInfoMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller:

Public Member Functions

- **ShutdownInfoMarshaller** ()
- virtual ∼**ShutdownInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.737.1 Detailed Description

Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3576). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.737.2 Constructor & Destructor Documentation

6.737.2.1 activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller::ShutdownInfoMarshaller ( ) [inline]

6.737.2.2 virtual activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller::∼ShutdownInfoMarshaller ( ) [inline, virtual]

6.737.3 Member Function Documentation

6.737.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.737.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.737.3.3 virtual void activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.737.3.4 virtual void activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.737.3.5 virtual int activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.737.3.6 virtual void activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.737.3.7 virtual void activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**ShutdownInfoMarshaller.h**

6.738 activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3580).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/ShutdownInfoMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller:

Public Member Functions

- **ShutdownInfoMarshaller** ()
- virtual ~**ShutdownInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.738.1 Detailed Description

Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3580). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.738.2 Constructor & Destructor Documentation

6.738.2.1 activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller::ShutdownInfoMarshaller ( ) [inline]

6.738.2.2 virtual activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller::∼ShutdownInfoMarshaller ( ) [inline, virtual]

6.738.3 Member Function Documentation

6.738.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.738.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.738.3.3 virtual void activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.738.3.4 virtual void activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.738.3.5 virtual int activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.738.3.6 virtual void activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.738.3.7 virtual void activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**ShutdownInfoMarshaller.h**

6.739 activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3584).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/ShutdownInfoMar
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller:

Public Member Functions

- **ShutdownInfoMarshaller** ()
- virtual ~**ShutdownInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.739.1 Detailed Description

Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3584). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.739.2 Constructor & Destructor Documentation

6.739.2.1 activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller::ShutdownInfoMarshaller ( ) [inline]

6.739.2.2 virtual activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller::~ShutdownInfoMarshaller ( ) [inline, virtual]

6.739.3 Member Function Documentation

6.739.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.739.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.739.3.3 virtual void activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.739.3.4 virtual void activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.739.3.5 virtual int activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.739.3.6 virtual void activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.739.3.7 virtual void activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**ShutdownInfoMarshaller.h**

6.740 activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3589).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/ShutdownInfoMarshaller.h
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller:

Public Member Functions

- **ShutdownInfoMarshaller** ()
- virtual ∼**ShutdownInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.740.1 Detailed Description

Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3589). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.740.2 Constructor & Destructor Documentation

6.740.2.1 activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller::ShutdownInfoMarshaller ( ) [inline]

6.740.2.2 virtual activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller::~ShutdownInfoMarshaller ( ) [inline, virtual]

6.740.3 Member Function Documentation

6.740.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.740.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.740.3.3 virtual void activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.740.3.4 virtual void activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.740.3.5 virtual int activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.740.3.6 virtual void activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.740.3.7 virtual void activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**ShutdownInfoMarshaller.h**

6.741 activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3593).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/ShutdownInfoMarshaller.h
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller:

Public Member Functions

- **ShutdownInfoMarshaller** ()
- virtual ~**ShutdownInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.741.1 Detailed Description

Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3593). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.741.2 Constructor & Destructor Documentation

6.741.2.1 activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller::ShutdownInfoMarshaller ( ) [inline]

6.741.2.2 virtual activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller::∼ShutdownInfoMarshaller ( ) [inline, virtual]

6.741.3 Member Function Documentation

6.741.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.741.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.741.3.3 virtual void activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.741.3.4 virtual void activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.741.3.5 virtual int activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.741.3.6 virtual void activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.741.3.7 virtual void activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**ShutdownInfoMarshaller.h**

6.742 activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3597).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/ShutdownInfoMarshaller.h
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller:

Public Member Functions

- **ShutdownInfoMarshaller** ()
- virtual ~**ShutdownInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.742.1 Detailed Description

Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3597). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.742.2 Constructor & Destructor Documentation

6.742.2.1 activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller::ShutdownInfoMarshaller ( ) [inline]

6.742.2.2 virtual activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller::∼ShutdownInfoMarshaller ( ) [inline, virtual]

6.742.3 Member Function Documentation

6.742.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.742.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.742.3.3 virtual void activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.742.3.4 virtual void activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.742.3.5 virtual int activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.742.3.6 virtual void activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.742.3.7 virtual void activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**ShutdownInfoMarshaller.h**

6.743 decaf::security::SignatureException Class Reference

`#include <src/main/decaf/security/SignatureException.h>`

Inheritance diagram for decaf::security::SignatureException:

Public Member Functions

- **SignatureException** () throw ()

Default Constructor.

- **SignatureException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **SignatureException** (const **SignatureException** &ex) throw ()

  Copy Constructor.

- **SignatureException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **SignatureException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **SignatureException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **SignatureException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**SignatureException** () throw ()

6.743.1 Constructor & Destructor Documentation

6.743.1.1 decaf::security::SignatureException::SignatureException ( ) throw () [inline]

Default Constructor.

6.743.1.2 decaf::security::SignatureException::SignatureException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.743.1.3 decaf::security::SignatureException::SignatureException (const **SignatureException** & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.743.1.4 decaf::security::SignatureException::SignatureException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.743.1.5 decaf::security::SignatureException::SignatureException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.743.1.6 decaf::security::SignatureException::SignatureException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	name where exception occurs
lineNumber	line number where the exception occurred.
msg	message to report
...	list of primitives that are formatted into the message

6.743.1.7 virtual decaf::security::SignatureException::~SignatureException ( ) throw ()

`[inline, virtual]`

6.743.2 Member Function Documentation

6.743.2.1 virtual SignatureException* decaf::security::SignatureException::clone ( ) const

`[inline, virtual]`

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A deep copy of this exception.

Reimplemented from **decaf::security::GeneralSecurityException** (p. 2037).

The documentation for this class was generated from the following file:

- src/main/decaf/security/**SignatureException.h**

6.744 decaf::util::logging::SimpleFormatter Class Reference

Print a brief summary of the **LogRecord** (p. 2487) in a human readable format.

`#include <src/main/decaf/util/logging/SimpleFormatter.h>`

Inheritance diagram for decaf::util::logging::SimpleFormatter:

Public Member Functions

- **SimpleFormatter** ()
- virtual ~**SimpleFormatter** ()
- virtual std::string **format** (const **LogRecord** &record) const

  Format the given log record and return the formatted string.

6.744.1 Detailed Description

Print a brief summary of the **LogRecord** (p. 2487) in a human readable format. The summary will typically be 1 or 2 lines.

Since

1.0

6.744.2 Constructor & Destructor Documentation

6.744.2.1 decaf::util::logging::SimpleFormatter::SimpleFormatter ( )

6.744.2.2 virtual decaf::util::logging::SimpleFormatter::~SimpleFormatter ( ) [virtual]

6.744.3 Member Function Documentation

6.744.3.1 virtual std::string decaf::util::logging::SimpleFormatter::format (const LogRecord & *record*) const [virtual]

Format the given log record and return the formatted string.

Parameters

record	The Log Record to Format.

Implements **decaf::util::logging::Formatter** (p. 2028).

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**SimpleFormatter.h**

6.745 decaf::util::logging::SimpleLogger Class Reference

```
#include <src/main/decaf/util/logging/SimpleLogger.h>
```

Public Member Functions

- **SimpleLogger** (const std::string &name)

  Constructor.

- virtual ~**SimpleLogger** ()

  Destructor.

- virtual void **mark** (const std::string &message)

  *Log a Mark Block **Level** (p. 2403) Log.*

- virtual void **debug** (const std::string &file, const int line, const std::string &message)

  *Log a Debug **Level** (p. 2403) Log.*

- virtual void **info** (const std::string &file, const int line, const std::string &message)

  *Log a Informational **Level** (p. 2403) Log.*

- virtual void **warn** (const std::string &file, const int line, const std::string &message)

  *Log a Warning **Level** (p. 2403) Log.*

- virtual void **error** (const std::string &file, const int line, const std::string &message)

  *Log a Error **Level** (p. 2403) Log.*

- virtual void **fatal** (const std::string &file, const int line, const std::string &message)

  *Log a Fatal **Level** (p. 2403) Log.*

- virtual void **log** (const std::string &message)

  No-frills log.

6.745.1 Constructor & Destructor Documentation

6.745.1.1 decaf::util::logging::SimpleLogger::SimpleLogger (const std::string & *name*)

Constructor.

6.745.1.2 virtual decaf::util::logging::SimpleLogger::~SimpleLogger ( ) [virtual]

Destructor.

6.745.2 Member Function Documentation

6.745.2.1 virtual void decaf::util::logging::SimpleLogger::debug (const std::string & *file,* const int *line,* const std::string & *message*) [virtual]

Log a Debug **Level** (p. 2403) Log.

6.745.2.2 virtual void decaf::util::logging::SimpleLogger::error (const std::string & *file,* const int *line,* const std::string & *message*) [virtual]

Log a Error **Level** (p. 2403) Log.

6.745.2.3 virtual void decaf::util::logging::SimpleLogger::fatal (const std::string & *file,* const int *line,* const std::string & *message*) [virtual]

Log a Fatal **Level** (p. 2403) Log.

6.745.2.4 virtual void decaf::util::logging::SimpleLogger::info (const std::string & *file,* const int *line,* const std::string & *message*) [virtual]

Log a Informational **Level** (p. 2403) Log.

6.745.2.5 virtual void decaf::util::logging::SimpleLogger::log (const std::string & *message*) [virtual]

No-frills log.

6.745.2.6 virtual void decaf::util::logging::SimpleLogger::mark (const std::string & *message*) [virtual]

Log a Mark Block **Level** (p. 2403) Log.

6.745.2.7 virtual void decaf::util::logging::SimpleLogger::warn (const std::string & *file,* const int *line,* const std::string & *message*) [virtual]

Log a Warning **Level** (p. 2403) Log.

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**SimpleLogger.h**

6.746 decaf::net::Socket Class Reference

`#include <src/main/decaf/net/Socket.h>`

Inheritance diagram for decaf::net::Socket:

Public Member Functions

- **Socket** ()

  *Creates an unconnected **Socket** (p. 3607) using the set **SocketImplFactory** (p. 3644) or if non is set than the default SockImpl type is created.*

- **Socket** (**SocketImpl** ∗**impl**)

  *Creates a **Socket** (p. 3607) wrapping the provided **SocketImpl** (p. 3635) instance, this **Socket** (p. 3607) is considered unconnected.*

- **Socket** (const **InetAddress** ∗address, int port)

  *Creates a new **Socket** (p. 3607) instance and connects it to the given address and port.*

- **Socket** (const **InetAddress** ∗address, int port, const **InetAddress** ∗localAddress, int localPort)

  *Creates a new **Socket** (p. 3607) instance and connects it to the given address and port.*

- **Socket** (const std::string &host, int port)

  *Creates a new **Socket** (p. 3607) instance and connects it to the given host and port.*

- **Socket** (const std::string &host, int port, const **InetAddress** ∗localAddress, int localPort)

  *Creates a new **Socket** (p. 3607) instance and connects it to the given host and port.*

- virtual ∼**Socket** ()
- virtual void **bind** (const std::string &ipaddress, int port) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException)

  *Binds this **Socket** (p. 3607) to the given local address and port.*

- virtual void **close** () throw (decaf::io::IOException)

  *Closes the **Socket** (p. 3607).*

- virtual void **connect** (const std::string &host, int port) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException)

  Connects to the specified destination.

- virtual void **connect** (const std::string &host, int port, int timeout) throw (decaf::io::IOException, decaf::lang::exceptions::IllegalArgumentException)

  Connects to the specified destination, with a specified timeout value.

- bool **isConnected** () const

  Indicates whether or not this socket is connected to am end point.

- bool **isClosed** () const
- bool **isBound** () const
- bool **isInputShutdown** () const
- bool **isOutputShutdown** () const
- virtual **decaf::io::InputStream** ∗ **getInputStream** () throw (decaf::io::IOException)

  Gets the InputStream for this socket if its connected.

- virtual **decaf::io::OutputStream** ∗ **getOutputStream** () throw (decaf::io::IOException)

  Gets the OutputStream for this socket if it is connected.

- int **getPort** () const

  *Gets the on the remote host this **Socket** (p. 3607) is connected to.*

- int **getLocalPort** () const

  Gets the local port the socket is bound to.

- std::string **getInetAddress** () const

  Returns the address to which the socket is connected.

- std::string **getLocalAddress** () const

  Gets the local address to which the socket is bound.

- virtual void **shutdownInput** () throw (decaf::io::IOException)

  Shuts down the InputStream for this socket essentially marking it as EOF.

- virtual void **shutdownOutput** () throw (decaf::io::IOException)

  Shuts down the OutputStream for this socket, any data already written to the socket will be sent, any further calls to OuputStream::write will throw an IOException.

- virtual int **getSoLinger** () const throw (SocketException)

  Gets the linger time for the socket, SO_LINGER.

- virtual void **setSoLinger** (bool state, int timeout) throw (SocketException, decaf::lang::exceptions::IllegalArgumentException)

  Sets the linger time (SO_LINGER) using a specified time value, this limits of this value are platform specific.

- virtual bool **getKeepAlive** () const throw (SocketException)

  Gets the keep alive flag for this socket, SO_KEEPALIVE.

- virtual void **setKeepAlive** (bool keepAlive) throw (SocketException)

  Enables/disables the keep alive flag for this socket, SO_KEEPALIVE.

- virtual int **getReceiveBufferSize** () const throw (SocketException)

  Gets the receive buffer size for this socket, SO_RCVBUF.

- virtual void **setReceiveBufferSize** (int size) throw (SocketException, decaf::lang::exceptions::IllegalArgumentExcepti)

  Sets the receive buffer size for this socket, SO_RCVBUF.

- virtual bool **getReuseAddress** () const throw (SocketException)

  Gets the reuse address flag, SO_REUSEADDR.

- virtual void **setReuseAddress** (bool reuse) throw (SocketException)

  Sets the reuse address flag, SO_REUSEADDR.

- virtual int **getSendBufferSize** () const throw (SocketException)

  Gets the send buffer size for this socket, SO_SNDBUF, this value is used by the platform socket to buffer data written to the socket.

- virtual void **setSendBufferSize** (int size) throw (SocketException, decaf::lang::exceptions::IllegalArgumentException)

Gets the send buffer size for this socket, SO_SNDBUF, this value is used by the platform socket to buffer data written to the socket.

- virtual int **getSoTimeout** () const throw (SocketException)

  Gets the timeout for socket operations, SO_TIMEOUT.

- virtual void **setSoTimeout** (int timeout) throw (SocketException, decaf::lang::exceptions::IllegalArgumen)

  Sets the timeout for socket operations, SO_TIMEOUT.

- virtual bool **getTcpNoDelay** () const throw (SocketException)

  Gets the Status of the TCP_NODELAY setting for this socket.

- virtual void **setTcpNoDelay** (bool value) throw (SocketException)

  *Sets the Status of the TCP_NODELAY param for this socket., this setting is used to disable or enable Nagle's algorithm on the **Socket** (p. 3607).*

- virtual int **getTrafficClass** () const throw (SocketException)

  *Gets the Traffic Class setting for this **Socket** (p. 3607), sometimes referred to as Type of Service setting.*

- virtual void **setTrafficClass** (int value) throw (SocketException, decaf::lang::exceptions::IllegalArgument)

  *Gets the Traffic Class setting for this **Socket** (p. 3607), sometimes referred to as Type of Service setting.*

- virtual bool **getOOBInline** () const throw (SocketException)

  Gets the value of the OOBINLINE for this socket.

- virtual void **setOOBInline** (bool value) throw (SocketException)

  Sets the value of the OOBINLINE for this socket, by default this option is disabled.

- virtual void **sendUrgentData** (int data) throw (decaf::io::IOException)

  *Sends on byte of urgent data to the **Socket** (p. 3607).*

- virtual std::string **toString** () const

Static Public Member Functions

- static void **setSocketImplFactory** (**SocketImplFactory** *factory) throw (decaf::io::IOException, decaf::net::SocketException)

  *Sets the instance of a **SocketImplFactory** (p. 3644) that the **Socket** (p. 3607) class should use when new instances of this class are created.*

Protected Member Functions

- void **accepted** ()
- void **initSocketImpl** (const std::string &address, int port, const **InetAddress** ∗localAddress, int localPort) throw (decaf::io::IOException, decaf::net::UnknownHostException)
- void **checkClosed** () const throw (decaf::io::IOException)
- void **ensureCreated** () const throw (decaf::io::IOException)

Protected Attributes

- **SocketImpl** ∗ **impl**

Friends

- class **ServerSocket**

6.746.1 Detailed Description

Since

1.0

6.746.2 Constructor & Destructor Documentation

6.746.2.1 decaf::net::Socket::Socket ( )

Creates an unconnected **Socket** (p. 3607) using the set **SocketImplFactory** (p. 3644) or if non is set than the default SockImpl type is created.

6.746.2.2 decaf::net::Socket::Socket (SocketImpl ∗ *impl*)

Creates a **Socket** (p. 3607) wrapping the provided **SocketImpl** (p. 3635) instance, this **Socket** (p. 3607) is considered unconnected.

The **Socket** (p. 3607) class takes ownership of this **SocketImpl** (p. 3635) pointer and will delete it when the **Socket** (p. 3607) class is destroyed.

Parameters

impl	The **SocketImpl** (p. 3635) instance to wrap.

Exceptions

NullPointerException	if the passed **SocketImpl** (p. 3635) is Null.

6.746.2.3 decaf::net::Socket::Socket (const InetAddress * *address*, int *port*)

Creates a new **Socket** (p. 3607) instance and connects it to the given address and port.

If there is a **SocketImplFactory** (p. 3644) set then the SokcetImpl is created using the factory otherwise the default **Socket** (p. 3607) implementation is used.

If the host parameter is empty then the loop back address is used.

Parameters

address	The address to connect to.
port	The port number to connect to [0...65535]

Exceptions

UnknownHostException (p. *4019*)	if the host cannot be resolved.
IOException	if an I/O error occurs while connecting the **Socket** (p. 3607).
NullPointerException	if the **InetAddress** (p. 2077) instance in NULL.
IllegalArgumentException	if the port if not in range [0...65535]

6.746.2.4 decaf::net::Socket::Socket (const InetAddress * *address*, int *port*, const InetAddress * *localAddress*, int *localPort*)

Creates a new **Socket** (p. 3607) instance and connects it to the given address and port.

If there is a **SocketImplFactory** (p. 3644) set then the SokcetImpl is created using the factory otherwise the default **Socket** (p. 3607) implementation is used. The **Socket** (p. 3607) will also bind to the local address and port specified.

Parameters

address	The address to connect to.
port	The port number to connect to [0...65535]
localAddress	The IP address on the local machine to bind to.
localPort	The port on the local machine to bind to.

Exceptions

UnknownHostException (p. *4019*)	if the host cannot be resolved.
IOException	if an I/O error occurs while connecting the **Socket** (p. 3607).
NullPointerException	if the **InetAddress** (p. 2077) instance in NULL.

IllegalArgumentException	if the port if not in range [0...65535]

6.746.2.5 decaf::net::Socket::Socket (const std::string & *host*, int *port*)

Creates a new **Socket** (p. 3607) instance and connects it to the given host and port.

If there is a **SocketImplFactory** (p. 3644) set then the SokcetImpl is created using the factory otherwise the default **Socket** (p. 3607) implementation is used.

If the host parameter is empty then the loop back address is used.

Parameters

host	The host name or IP address to connect to, empty string means loopback.
port	The port number to connect to [0...65535]

Exceptions

UnknownHostException (p. *4019*)	if the host cannot be resolved.
IOException	if an I/O error occurs while connecting the **Socket** (p. 3607).
IllegalArgumentException	if the port if not in range [0...65535]

6.746.2.6 decaf::net::Socket::Socket (const std::string & *host*, int *port*, const InetAddress * *localAddress*, int *localPort*)

Creates a new **Socket** (p. 3607) instance and connects it to the given host and port.

If there is a **SocketImplFactory** (p. 3644) set then the SokcetImpl is created using the factory otherwise the default **Socket** (p. 3607) implementation is used.

If the host parameter is empty then the loop back address is used.

Parameters

host	The host name or IP address to connect to, empty string means loopback.
port	The port number to connect to [0...65535]
localAddress	The IP address on the local machine to bind to.
localPort	The port on the local machine to bind to.

Exceptions

UnknownHostException (p. *4019*)	if the host cannot be resolved.

IOException	if an I/O error occurs while connecting the **Socket** (p. 3607).
IllegalArgumentException	if the port if not in range [0...65535]

6.746.2.7 virtual decaf::net::Socket::~Socket ( ) [virtual]

6.746.3 Member Function Documentation

6.746.3.1 void decaf::net::Socket::accepted ( ) [protected]

6.746.3.2 virtual void decaf::net::Socket::bind (const std::string & *ipaddress*, int *port*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::IllegalArgumentException**) [virtual]

Binds this **Socket** (p. 3607) to the given local address and port.

If the **SocketAddress** (p. 3626) value is NULL then the **Socket** (p. 3607) will be bound to an available local address and port.

Parameters

ipaddress	The local address and port to bind the socket to.
port	The port on the local machine to bind to.

Exceptions

IOException	if an error occurs during the bind operation.
IllegalArgumentException	if the **Socket** (p. 3607) can't process the subclass of **SocketAddress** (p. 3626) that has been provided.

6.746.3.3 void decaf::net::Socket::checkClosed ( ) const throw (**decaf::io::IOException**) [protected]

6.746.3.4 virtual void decaf::net::Socket::close ( ) throw (**decaf::io::IOException**) [virtual]

Closes the **Socket** (p. 3607).

Once closed a **Socket** (p. 3607) cannot be connected or otherwise operated upon, a new **Socket** (p. 3607) instance must be created.

Exceptions

IOException	if an I/O error occurs while closing the **Socket** (p. 3607).

Implements **decaf::io::Closeable** (p. 1181).

Reimplemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2947).

6.746.3.5 virtual void decaf::net::Socket::connect (const std::string & *host*, int *port*, int *timeout*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::IllegalArgumentException**) [virtual]

Connects to the specified destination, with a specified timeout value.

If a connection to the remote host is not established within the specified timeout interval than an **SocketTimeoutException** (p. 3650) is thrown. A timeout value of zero is treated as an inifinite timeout.

Parameters

host	The host name or IP address of the remote host to connect to.
port	The port on the remote host to connect to.
timeout	The number of Milliseconds to wait before treating the connection as failed.

Exceptions

IOException	Thrown if a failure occurred in the connect.
SocketTimeoutException *(p. 3650)*	if the timeout for connection is exceeded.
IllegalArguementException	if the timeout value is negative or the endpoint is invalid.

Reimplemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2947).

6.746.3.6 virtual void decaf::net::Socket::connect (const std::string & *host*, int *port*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::IllegalArgumentException**) [virtual]

Connects to the specified destination.

Parameters

host	The host name or IP address of the remote host to connect to.
port	The port on the remote host to connect to.

Exceptions

IOException	Thrown if a failure occurred in the connect.
IllegalArguementException	if the timeout value is negative or the endpoint is invalid.

6.746.3.7 void decaf::net::Socket::ensureCreated ( ) const throw (decaf::io::IOException) [protected]

6.746.3.8 std::string decaf::net::Socket::getInetAddress ( ) const

Returns the address to which the socket is connected.

Returns

the remote IP address to which this socket is connected, or null if the socket is not connected.

6.746.3.9 virtual decaf::io::InputStream* decaf::net::Socket::getInputStream ( ) throw (decaf::io::IOException) [virtual]

Gets the InputStream for this socket if its connected.

The pointer returned is the property of the associated **Socket** (p. 3607) and should not be deleted by the caller.

When the returned InputStream is performing a blocking operation and the underlying connection is closed or otherwise broker the read calls will normally throw an exception to indicate the failure.

Closing the InputStream will also close the underlying **Socket** (p. 3607).

Returns

The InputStream for this socket.

Exceptions

IOException	if an error occurs during creation of the InputStream, also if the **Socket** (p. 3607) is not connected or the input has been shutdown previously.

Reimplemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2948).

6.746.3.10 virtual bool decaf::net::Socket::getKeepAlive ( ) const throw (SocketException) [virtual]

Gets the keep alive flag for this socket, SO_KEEPALIVE.

Returns

true if keep alive is enabled for this socket.

Exceptions

SocketException *(p. 3627)*	if the operation fails.

6.746.3.11 std::string decaf::net::Socket::getLocalAddress ( ) const

Gets the local address to which the socket is bound.

Returns

the local address to which the socket is bound or InetAddress.anyLocalAddress() if the socket is not bound yet.

6.746.3.12 int decaf::net::Socket::getLocalPort ( ) const

Gets the local port the socket is bound to.

Returns

the local port the socket was bound to, or -1 if the socket is not bound.

6.746.3.13 virtual bool decaf::net::Socket::getOOBInline ( ) const throw (SocketException) [virtual]

Gets the value of the OOBINLINE for this socket.

Returns

true if OOBINLINE is enabled, false otherwise.

Exceptions

SocketException *(p. 3627)*	if an error is encountered while performing this operation.

6.746.3.14 virtual decaf::io::OutputStream* decaf::net::Socket::getOutputStream ( ) throw (decaf::io::IOException) [virtual]

Gets the OutputStream for this socket if it is connected.

The pointer returned is the property of the **Socket** (p. 3607) instance and should not be deleted by the caller.

Closing the returned **Socket** (p. 3607) will also close the underlying **Socket** (p. 3607).

Returns

the OutputStream for this socket.

Exceptions

IOException	if an error occurs during the creation of this OutputStream, or if the **Socket** (p. 3607) is closed or the output has been shutdown previously.

Reimplemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2949).

6.746.3.15 int decaf::net::Socket::getPort ( ) const

Gets the on the remote host this **Socket** (p. 3607) is connected to.

Returns

the port on the remote host the socket is connected to, or 0 if not connected.

6.746.3.16 virtual int decaf::net::Socket::getReceiveBufferSize ( ) const throw (SocketException) [virtual]

Gets the receive buffer size for this socket, SO_RCVBUF.

This is the buffer used by the underlying platform socket to buffer received data.

Returns

the receive buffer size in bytes.

Exceptions

SocketException *(p. 3627)*	if the operation fails.

6.746.3.17 virtual bool decaf::net::Socket::getReuseAddress ( ) const throw (SocketException) [virtual]

Gets the reuse address flag, SO_REUSEADDR.

Returns

True if the address can be reused.

Exceptions

SocketException *(p. 3627)*	if the operation fails.

6.746.3.18 virtual int decaf::net::Socket::getSendBufferSize ( ) const throw (SocketException) [virtual]

Gets the send buffer size for this socket, SO_SNDBUF, this value is used by the platform socket to buffer data written to the socket.

Returns

the size in bytes of the send buffer.

Exceptions

SocketException *(p. 3627)*	if the operation fails.

6.746.3.19 virtual int decaf::net::Socket::getSoLinger ( ) const throw (SocketException) [virtual]

Gets the linger time for the socket, SO_LINGER.

A return value of -1 indicates that the option is disabled.

Returns

The linger time in seconds.

Exceptions

SocketException *(p. 3627)*	if the operation fails.

6.746.3.20 virtual int decaf::net::Socket::getSoTimeout ( ) const throw (SocketException) [virtual]

Gets the timeout for socket operations, SO_TIMEOUT.

Returns

The timeout in milliseconds for socket operations.

Exceptions

SocketException *(p. 3627)*	Thrown if unable to retrieve the information.

6.746.3.21 virtual bool decaf::net::Socket::getTcpNoDelay ( ) const throw (SocketException) [virtual]

Gets the Status of the TCP_NODELAY setting for this socket.

Returns

true if TCP_NODELAY is enabled for the socket.

Exceptions

SocketException *(p. 3627)*	Thrown if unable to set the information.

6.746.3.22 virtual int decaf::net::Socket::getTrafficClass ( ) const throw (SocketException) [virtual]

Gets the Traffic Class setting for this **Socket** (p. 3607), sometimes referred to as Type of Service setting.

This setting is dependent on the underlying network implementation for the platform this **Socket** (p. 3607) runs on and is not guaranteed to have any effect.

Refer to your platforms network documentation regarding support for this setting.

Returns

the bitset result of querying the traffic class setting.

Exceptions

SocketException *(p. 3627)*	if an error is encountered while performing this operation.

6.746.3.23 void decaf::net::Socket::initSocketImpl (const std::string & *address*, int *port*, const InetAddress * *localAddress*, int *localPort*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [protected]

6.746.3.24 bool decaf::net::Socket::isBound ( ) const [inline]

Returns

true if this **Socket** (p. 3607) has been bound to a Local address.

6.746.3.25 bool decaf::net::Socket::isClosed ( ) const [inline]

Returns

true if the **Socket** (p. 3607) has been closed.

6.746.3.26 bool decaf::net::Socket::isConnected ( ) const [inline]

Indicates whether or not this socket is connected to am end point.

Returns

true if connected, false otherwise.

6.746.3.27 bool decaf::net::Socket::isInputShutdown ( ) const [inline]

Returns

true if input on this **Socket** (p. 3607) has been shutdown.

6.746.3.28 bool decaf::net::Socket::isOutputShutdown ( ) const [inline]

Returns

true if output on this **Socket** (p. 3607) has been shutdown.

6.746.3.29 virtual void decaf::net::Socket::sendUrgentData (int *data*) throw (**decaf::io::IOException**) [virtual]

Sends on byte of urgent data to the **Socket** (p. 3607).

Parameters

data	The value to write as urgent data, only the lower eight bits are sent.

Exceptions

IOException	if an I/O error occurs while performing this operation.

Reimplemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2951).

6.746.3.30 virtual void decaf::net::Socket::setKeepAlive (bool *keepAlive*) throw (**SocketException**) [virtual]

Enables/disables the keep alive flag for this socket, SO_KEEPALIVE.

Parameters

keepAlive	If true, enables the flag.

Exceptions

SocketException *(p. 3627)*	if the operation fails.

6.746.3.31 virtual void decaf::net::Socket::setOOBInline (bool *value*) throw (**SocketException**) [virtual]

Sets the value of the OOBINLINE for this socket, by default this option is disabled.

If enabled the urgent data is read inline on the Socket's InputStream, no notification is give.

Returns

true if OOBINLINE is enabled, false otherwise.

Exceptions

SocketException *(p. 3627)*	if an error is encountered while performing this operation.

Reimplemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2952).

6.746.3.32 virtual void decaf::net::Socket::setReceiveBufferSize (int *size*) throw (SocketException, decaf::lang::exceptions::IllegalArgumentException) [virtual]

Sets the receive buffer size for this socket, SO_RCVBUF.

Parameters

size	Number of bytes to set the receive buffer to.

Exceptions

SocketException *(p. 3627)*	if the operation fails.
IllegalArgumentException	if the value is zero or negative.

6.746.3.33 virtual void decaf::net::Socket::setReuseAddress (bool *reuse*) throw (SocketException) [virtual]

Sets the reuse address flag, SO_REUSEADDR.

Parameters

reuse	If true, sets the flag.

Exceptions

SocketException *(p. 3627)*	if the operation fails.

6.746.3.34 virtual void decaf::net::Socket::setSendBufferSize (int *size*) throw (SocketException, decaf::lang::exceptions::IllegalArgumentException) [virtual]

Gets the send buffer size for this socket, SO_SNDBUF, this value is used by the platform socket to buffer data written to the socket.

Parameters

size	The number of bytes to set the send buffer to, must be larger than zero.

Exceptions

SocketException *(p. 3627)*	if the operation fails.
IllegalArgumentException	if the value is zero or negative.

6.746.3.35 static void decaf::net::Socket::setSocketImplFactory (SocketImplFactory * *factory*) throw (decaf::io::IOException, decaf::net::SocketException) [static]

Sets the instance of a **SocketImplFactory** (p. 3644) that the **Socket** (p. 3607) class should use when new instances of this class are created.

This method is only allowed to be used once during the lifetime of the application.

Parameters

factory	The instance of a **SocketImplFactory** (p. 3644) to use when new **Socket** (p. 3607) objects are created.

Exceptions

IOException	if an I/O error occurs while performing this operation.
SocketException *(p. 3627)*	if this method has already been called with a valid factory.

6.746.3.36 virtual void decaf::net::Socket::setSoLinger (bool *state,* int *timeout*) throw (SocketException, decaf::lang::exceptions::IllegalArgumentException) [virtual]

Sets the linger time (SO_LINGER) using a specified time value, this limits of this value are platform specific.

Parameters

state	The state of SO_LINGER, true is on.
timeout	The linger time in seconds, must be non-negative.

Exceptions

SocketException *(p. 3627)*	if the operation fails.
IllegalArgumentException	if state is true and timeout is negative.

6.746.3.37 virtual void decaf::net::Socket::setSoTimeout (int *timeout*) throw (SocketException, decaf::lang::exceptions::IllegalArgumentException) [virtual]

Sets the timeout for socket operations, SO_TIMEOUT.

A value of zero indicates that timeout is infinite for operations on this socket.

Parameters

timeout	The timeout in milliseconds for socket operations.

Exceptions

SocketException *(p. 3627)*	Thrown if unable to set the information.
IllegalArgumentException	if the timeout value is negative.

6.746.3.38 virtual void decaf::net::Socket::setTcpNoDelay (bool *value*) throw (SocketException) [virtual]

Sets the Status of the TCP_NODELAY param for this socket., this setting is used to disable or enable Nagle's algorithm on the **Socket** (p. 3607).

Parameters

value	The setting for the socket's TCP_NODELAY option, true to enable.

Exceptions

SocketException *(p. 3627)*	Thrown if unable to set the information.

6.746.3.39 virtual void decaf::net::Socket::setTrafficClass (int *value*) throw (SocketException, decaf::lang::exceptions::IllegalArgumentException) [virtual]

Gets the Traffic Class setting for this **Socket** (p. 3607), sometimes referred to as Type of Service setting.

This setting is dependent on the underlying network implementation for the platform this **Socket** (p. 3607) runs on and is not guaranteed to have any effect.

Refer to your platforms network documentation regarding support for this setting.

Parameters

value	The integer value representing the traffic class setting bitset.

Exceptions

SocketException *(p. 3627)*	if an error is encountered while performing this operation.
IllegalArgumentException	if the value is not in the range [0..255].

6.746.3.40 virtual void decaf::net::Socket::shutdownInput ( ) throw (decaf::io::IOException) [virtual]

Shuts down the InputStream for this socket essentially marking it as EOF.

The stream returns EOF for any calls to read after this method has been called.

Exceptions

IOException	if an I/O error occurs while performing this operation.

Reimplemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2953).

6.746.3.41 virtual void decaf::net::Socket::shutdownOutput ( ) throw (decaf::io::IOException) [virtual]

Shuts down the OutputStream for this socket, any data already written to the socket will be sent, any further calls to OuputStream::write will throw an IOException.

Exceptions

IOException	if an I/O error occurs while performing this operation.

Reimplemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2954).

6.746.3.42 virtual std::string decaf::net::Socket::toString ( ) const [virtual]

Returns

a string representing this **Socket** (p. 3607).

6.746.4 Friends And Related Function Documentation

6.746.4.1 friend class ServerSocket [friend]

6.746.5 Field Documentation

6.746.5.1 SocketImpl* decaf::net::Socket::impl [mutable, protected]

The documentation for this class was generated from the following file:

- src/main/decaf/net/**Socket.h**

6.747 decaf::net::SocketAddress Class Reference

Base class for protocol specific **Socket** (p. 3607) addresses.

`#include <src/main/decaf/net/SocketAddress.h>`

Inheritance diagram for decaf::net::SocketAddress:

Public Member Functions

- virtual ~**SocketAddress** ()

6.747.1 Detailed Description

Base class for protocol specific **Socket** (p. 3607) addresses. These classes provide an immutable address object that is used by the **Socket** (p. 3607) classes.

Since

1.0

6.747.2 Constructor & Destructor Documentation

6.747.2.1 virtual decaf::net::SocketAddress::~SocketAddress ( ) [inline, virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/net/**SocketAddress.h**

6.748 decaf::net::SocketError Class Reference

Static utility class to simplify handling of error codes for socket operations.

`#include <src/main/decaf/net/SocketError.h>`

Static Public Member Functions

- static int **getErrorCode** ()

  Gets the last error appropriate for the platform.

- static std::string **getErrorString** ()

  Gets the string description for the last error.

6.748.1 Detailed Description

Static utility class to simplify handling of error codes for socket operations.

6.748.2 Member Function Documentation

6.748.2.1 static int decaf::net::SocketError::getErrorCode ( ) [static]

Gets the last error appropriate for the platform.

6.748.2.2 static std::string decaf::net::SocketError::getErrorString ( ) [static]

Gets the string description for the last error.

The documentation for this class was generated from the following file:

- src/main/decaf/net/**SocketError.h**

6.749 decaf::net::SocketException Class Reference

Exception for errors when manipulating sockets.

`#include <src/main/decaf/net/SocketException.h>`

Inheritance diagram for decaf::net::SocketException:

Public Member Functions

- **SocketException** () throw ()
- **SocketException** (const **lang::Exception** &ex) throw ()
- **SocketException** (const **SocketException** &ex) throw ()
- **SocketException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **SocketException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **SocketException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

Constructor - Initializes the file name and line number where this message occurred.

- virtual **SocketException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**SocketException** () throw ()

6.749.1 Detailed Description

Exception for errors when manipulating sockets.

6.749.2 Constructor & Destructor Documentation

6.749.2.1 decaf::net::SocketException::SocketException ( ) throw () [inline]

6.749.2.2 decaf::net::SocketException::SocketException (const lang::Exception & *ex*) throw () [inline]

6.749.2.3 decaf::net::SocketException::SocketException (const SocketException & *ex*) throw () [inline]

6.749.2.4 decaf::net::SocketException::SocketException (const char ∗ *file*, const int *lineNumber*, const std::exception ∗ *cause*, const char ∗ *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.749.2.5 decaf::net::SocketException::SocketException (const std::exception ∗ *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.749.2.6 decaf::net::SocketException::SocketException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.749.2.7 virtual decaf::net::SocketException::~SocketException ( ) throw () [inline, virtual]

6.749.3 Member Function Documentation

6.749.3.1 virtual SocketException* decaf::net::SocketException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new Exception instance that is a copy of this Exception object.

Reimplemented from **decaf::io::IOException** (p. 2212).

Reimplemented in **decaf::internal::net::ssl::openssl::OpenSSLSocketException** (p. 2958), **decaf::net::BindException** (p. 844), **decaf::net::ConnectException** (p. 1296), **decaf::net::NoRouteToHostException** (p. 2907), and **decaf::net::PortUnreachableException** (p. 3062).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**SocketException.h**

6.750 decaf::net::SocketFactory Class Reference

The **SocketFactory** (p. 3629) is used to create **Socket** (p. 3607) objects and can be sub-classed to provide other types of Sockets or Sockets with varying configurations.

```
#include <src/main/decaf/net/SocketFactory.h>
```

Inheritance diagram for decaf::net::SocketFactory:

Public Member Functions

- virtual ~**SocketFactory** ()
- virtual **Socket** ∗ **createSocket** () throw (decaf::io::IOException)

  *Creates an unconnected **Socket** (p. 3607) object.*

- virtual **Socket** ∗ **createSocket** (const **InetAddress** ∗host, int port)=0 throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*

- virtual **Socket** ∗ **createSocket** (const **InetAddress** ∗host, int port, const **InetAddress** ∗ifAddress, int localPort)=0 throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*

- virtual **Socket** ∗ **createSocket** (const std::string &name, int port)=0 throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*

- virtual **Socket** ∗ **createSocket** (const std::string &name, int port, const **InetAddress** ∗ifAddress, int localPort)=0 throw (decaf::io::IOException, decaf::net::UnknownHostException)

  *Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).*

Static Public Member Functions

- static **SocketFactory** ∗ **getDefault** ()

  *Returns an pointer to the default **SocketFactory** (p. 3629) for this Application, there is only one default **SocketFactory** (p. 3629) per application, the pointer returned by this method is owned by the **SocketFactory** (p. 3629) class and in not to be deleted by the caller.*

Protected Member Functions

- **SocketFactory** ()

6.750.1 Detailed Description

The **SocketFactory** (p. 3629) is used to create **Socket** (p. 3607) objects and can be sub-classed to provide other types of Sockets or Sockets with varying configurations.

See also

decaf.net.Socket (p. 3607)

Since

1.0

6.750.2 Constructor & Destructor Documentation

6.750.2.1 decaf::net::SocketFactory::SocketFactory ( ) [protected]

6.750.2.2 virtual decaf::net::SocketFactory::~SocketFactory ( ) [virtual]

6.750.3 Member Function Documentation

6.750.3.1 virtual Socket* decaf::net::SocketFactory::createSocket ( ) throw (decaf::io::IOException) [virtual]

Creates an unconnected **Socket** (p. 3607) object.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if the **Socket** (p. 3607) cannot be created.

Reimplemented in **decaf::internal::net::DefaultSocketFactory** (p. 1741), **decaf::internal::net::ssl::DefaultSSLSocketFa** (p. 1753), and **decaf::internal::net::ssl::openssl::OpenSSLSocketFactory** (p. 2962).

6.750.3.2 virtual Socket* decaf::net::SocketFactory::createSocket (const InetAddress * *host*, int *port*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [pure virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

Parameters

host	The host to connect the socket to.
port	The port on the remote host to connect to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException (p. *4019*)	if the host name is not known.

Implemented in **decaf::internal::net::DefaultSocketFactory** (p. 1743), **decaf::internal::net::ssl::DefaultSSL** (p. 1754), and **decaf::internal::net::ssl::openssl::OpenSSLSocketFactory** (p. 2963).

6.750.3.3 virtual Socket* decaf::net::SocketFactory::createSocket (const std::string & *name*, int *port*, const InetAddress * *ifAddress*, int *localPort*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [pure virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

Parameters

host	The host name or IP address to connect the socket to.
port	The port on the remote host to connect to.
ifAddress	The address on the local machine to bind the **Socket** (p. 3607) to.
localPort	The local port to bind the **Socket** (p. 3607) to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException (p. *4019*)	if the host name is not known.

Implemented in **decaf::internal::net::DefaultSocketFactory** (p. 1741), **decaf::internal::net::ssl::DefaultSSL** (p. 1755), and **decaf::internal::net::ssl::openssl::OpenSSLSocketFactory** (p. 2964).

6.750.3.4 virtual Socket* decaf::net::SocketFactory::createSocket (const std::string & *name*, int *port*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [pure virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

Parameters

host	The host name or IP address to connect the socket to.
port	The port on the remote host to connect to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException *(p. 4019)*	if the host name is not known.

Implemented in **decaf::internal::net::DefaultSocketFactory** (p. 1742), **decaf::internal::net::ssl::DefaultSSLSocketFacto** (p. 1755), and **decaf::internal::net::ssl::openssl::OpenSSLSocketFactory** (p. 2964).

6.750.3.5 virtual Socket* decaf::net::SocketFactory::createSocket (const InetAddress * *host*, int *port*, const InetAddress * *ifAddress*, int *localPort*) throw (decaf::io::IOException, decaf::net::UnknownHostException) [pure virtual]

Creates a new **Socket** (p. 3607) object and connects it to the specified remote host and port using the configuration of this **SocketFactory** (p. 3629).

The **Socket** (p. 3607) will be bound to the specified local address and port.

Parameters

host	The host to connect the socket to.
port	The port on the remote host to connect to.
ifAddress	The address on the local machine to bind the **Socket** (p. 3607) to.
localPort	The local port to bind the **Socket** (p. 3607) to.

Returns

a new **Socket** (p. 3607) object, caller must free this object when done.

Exceptions

IOException	if an I/O error occurs while creating the **Socket** (p. 3607) object.
UnknownHostException *(p. 4019)*	if the host name is not known.

Implemented in **decaf::internal::net::DefaultSocketFactory** (p. 1742), **decaf::internal::net::ssl::DefaultSSLSocketFacto** (p. 1756), and **decaf::internal::net::ssl::openssl::OpenSSLSocketFactory** (p. 2965).

6.750.3.6 static SocketFactory* decaf::net::SocketFactory::getDefault ( ) [static]

Returns an pointer to the default **SocketFactory** (p. 3629) for this Application, there is only one default **SocketFactory** (p. 3629) per application, the pointer returned by this method is owned by the **SocketFactory** (p. 3629) class and in not to be deleted by the caller.

Returns

pointer to the applications default **SocketFactory** (p. 3629).

Exceptions

SocketException *(p. 3627)*	if an error occurs while getting the default instance.

Reimplemented in **decaf::net::ssl::SSLSocketFactory** (p. 3681).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**SocketFactory.h**

6.751 decaf::internal::net::SocketFileDescriptor Class Reference

File Descriptor type used internally by Decaf Socket objects.

`#include <src/main/decaf/internal/net/SocketFileDescriptor.h>`

Inheritance diagram for decaf::internal::net::SocketFileDescriptor:

Public Member Functions

- **SocketFileDescriptor** (long value)
- virtual ~**SocketFileDescriptor** ()
- long **getValue** () const

  Gets the OS Level FileDescriptor.

6.751.1 Detailed Description

File Descriptor type used internally by Decaf Socket objects.

Since

1.0

6.751.2 Constructor & Destructor Documentation

6.751.2.1 decaf::internal::net::SocketFileDescriptor::SocketFileDescriptor (long *value*)

6.751.2.2 virtual decaf::internal::net::SocketFileDescriptor::~SocketFileDescriptor ( ) [virtual]

6.751.3 Member Function Documentation

6.751.3.1 long decaf::internal::net::SocketFileDescriptor::getValue ( ) const

Gets the OS Level FileDescriptor.

Returns

a FileDescriptor value.

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/**SocketFileDescriptor.h**

6.752 decaf::net::SocketImpl Class Reference

Acts as a base class for all physical **Socket** (p. 3607) implementations.

`#include <src/main/decaf/net/SocketImpl.h>`

Inheritance diagram for decaf::net::SocketImpl:

Public Member Functions

- **SocketImpl** ()
- virtual ~**SocketImpl** ()
- virtual void **create** ()=0 throw (decaf::io::IOException)

  *Creates the underlying platform **Socket** (p. 3607) data structures which allows for **Socket** (p. 3607) options to be applied.*

- virtual void **accept** (**SocketImpl** *socket)=0 throw (decaf::io::IOException, decaf::net::SocketException, decaf::net::SocketTimeoutException)

  *Accepts a new connection on the given **Socket** (p. 3607).*

- virtual void **connect** (const std::string &hostname, int **port**, int timeout)=0 throw (decaf::io::IOException, decaf::net::SocketTimeoutException, decaf::lang::exceptions::IllegalArgumentException)

  Connects this socket to the given host and port.

- virtual void **bind** (const std::string &ipaddress, int **port**)=0 throw (decaf::io::IOException)

  *Binds this **Socket** (p. 3607) instance to the local ip address and port number given.*

- virtual void **listen** (int backlog)=0 throw (decaf::io::IOException)

  Sets the maximum queue length for incoming connection indications (a request to connect) to the count argument.

- virtual **decaf::io::InputStream** ∗ **getInputStream** ()=0 throw (decaf::io::IOException)

  *Gets the InputStream linked to this **Socket** (p. 3607).*

- virtual **decaf::io::OutputStream** ∗ **getOutputStream** ()=0 throw (decaf::io::IOException)

  *Gets the OutputStream linked to this **Socket** (p. 3607).*

- virtual int **available** ()=0 throw (decaf::io::IOException)

  *Gets the number of bytes that can be read from the **Socket** (p. 3607) without blocking.*

- virtual void **close** ()=0 throw (decaf::io::IOException)

  Closes the socket, terminating any blocked reads or writes.

- virtual void **shutdownInput** ()=0 throw (decaf::io::IOException)

  Places the input stream for this socket at "end of stream".

- virtual void **shutdownOutput** ()=0 throw (decaf::io::IOException)

  Disables the output stream for this socket.

- virtual int **getOption** (int option) const =0 throw (decaf::io::IOException)

  *Gets the specified **Socket** (p. 3607) option.*

- virtual void **setOption** (int option, int value)=0 throw (decaf::io::IOException)

  *Sets the specified option on the **Socket** (p. 3607) if supported.*

- int **getPort** () const

  Gets the port that this socket has been assigned.

- int **getLocalPort** () const

  Gets the value of this SocketImpl's local port field.

- std::string **getInetAddress** () const

  Gets the value of this SocketImpl's address field.

- const **decaf::io::FileDescriptor** ∗ **getFileDescriptor** () const

*Gets the FileDescriptor for this **Socket** (p. 3607), the Object is owned by this **Socket** (p. 3607) and should not be deleted by the caller.*

- virtual std::string **getLocalAddress** () const =0

  *Gets the value of the local Inet address the **Socket** (p. 3607) is bound to if bound, otherwise return the **InetAddress** (p. 2077) ANY value "0.0.0.0".*

- std::string **toString** () const

  *Returns a string containing the address and port of this **Socket** (p. 3607) instance.*

- virtual bool **supportsUrgentData** () const
- virtual void **sendUrgentData** (int data) throw (decaf::io::IOException)

  *Sends on byte of urgent data to the **Socket** (p. 3607).*

Protected Attributes

- int **port**

  *The remote port that this **Socket** (p. 3607) is connected to.*

- int **localPort**

  *The port on the Local Machine that this **Socket** (p. 3607) is Bound to.*

- std::string **address**

  *The Remote Address that the **Socket** (p. 3607) is connected to.*

- **io::FileDescriptor** ∗ **fd**

  *The File Descriptor for this **Socket** (p. 3607).*

6.752.1 Detailed Description

Acts as a base class for all physical **Socket** (p. 3607) implementations.

Since

1.0

6.752.2 Constructor & Destructor Documentation

6.752.2.1 decaf::net::SocketImpl::SocketImpl ( )

6.752.2.2 virtual decaf::net::SocketImpl::~SocketImpl ( ) [virtual]

6.752.3 Member Function Documentation

6.752.3.1 virtual void decaf::net::SocketImpl::accept (SocketImpl * *socket*) throw (decaf::io::IOException, decaf::net::SocketException, decaf::net::SocketTimeoutException) [pure virtual]

Accepts a new connection on the given **Socket** (p. 3607).

Parameters

socket	The accepted connection.

Exceptions

IOException	if an I/O error occurs while attempting this operation.
SocketException (p. *3627*)	if an error occurs while performing an Accept on the socket.
SocketTimeoutException (p. *3650*)	if the accept call times out due to SO_TIMEOUT being set.

6.752.3.2 virtual int decaf::net::SocketImpl::available ( ) throw (decaf::io::IOException) [pure virtual]

Gets the number of bytes that can be read from the **Socket** (p. 3607) without blocking.

Returns

the number of bytes that can be read from the **Socket** (p. 3607) without blocking.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implemented in **decaf::internal::net::tcp::TcpSocket** (p. 3854).

6.752.3.3 virtual void decaf::net::SocketImpl::bind (const std::string & *ipaddress*, int *port*) throw (decaf::io::IOException) [pure virtual]

Binds this **Socket** (p. 3607) instance to the local ip address and port number given.

Parameters

ipaddress	The address of local ip to bind to.
port	The port number on the host to bind to.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implemented in **decaf::internal::net::tcp::TcpSocket** (p. 3854).

6.752.3.4 virtual void decaf::net::SocketImpl::close ( ) throw (decaf::io::IOException) [pure virtual]

Closes the socket, terminating any blocked reads or writes.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implemented in **decaf::internal::net::tcp::TcpSocket** (p. 3855).

6.752.3.5 virtual void decaf::net::SocketImpl::connect (const std::string & *hostname*, int *port*, int *timeout*) throw (decaf::io::IOException, decaf::net::SocketTimeoutException, decaf::lang::exceptions::IllegalArgumentException) [pure virtual]

Connects this socket to the given host and port.

Parameters

hostname	The name of the host to connect to, or IP address.
port	The port number on the host to connect to.
timeout	Time in milliseconds to wait for a connection, 0 indicates forever.

Exceptions

IOException	if an I/O error occurs while attempting this operation.
SocketTimeoutException (p. *3650*)	if the connect call times out due to timeout being set.
IllegalArguementException	if a parameter has an illegal value.

Implemented in **decaf::internal::net::tcp::TcpSocket** (p. 3855).

6.752.3.6 virtual void decaf::net::SocketImpl::create ( ) throw (decaf::io::IOException) [pure virtual]

Creates the underlying platform **Socket** (p. 3607) data structures which allows for **Socket** (p. 3607) options to be applied.

The created socket is in an unconnected state.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implemented in **decaf::internal::net::tcp::TcpSocket** (p. 3855).

6.752.3.7 const decaf::io::FileDescriptor* decaf::net::SocketImpl::getFileDescriptor ( ) const [inline]

Gets the FileDescriptor for this **Socket** (p. 3607), the Object is owned by this **Socket** (p. 3607) and should not be deleted by the caller.

Returns

a pointer to this Socket's FileDescriptor object.

6.752.3.8 std::string decaf::net::SocketImpl::getInetAddress ( ) const [inline]

Gets the value of this SocketImpl's address field.

Returns

the value of the address field.

6.752.3.9 virtual decaf::io::InputStream* decaf::net::SocketImpl::getInputStream ( ) throw (decaf::io::IOException) [pure virtual]

Gets the InputStream linked to this **Socket** (p. 3607).

Returns

an InputStream pointer owned by the **Socket** (p. 3607) object.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implemented in **decaf::internal::net::tcp::TcpSocket** (p. 3856).

6.752.3.10 virtual std::string decaf::net::SocketImpl::getLocalAddress ( ) const [pure virtual]

Gets the value of the local Inet address the **Socket** (p. 3607) is bound to if bound, otherwise return the **InetAddress** (p. 2077) ANY value "0.0.0.0".

Returns

the local address bound to, or ANY.

Implemented in **decaf::internal::net::tcp::TcpSocket** (p. 3856).

6.752.3.11 int decaf::net::SocketImpl::getLocalPort ( ) const [inline]

Gets the value of this SocketImpl's local port field.

Returns

the value of localPort.

6.752.3.12 virtual int decaf::net::SocketImpl::getOption (int *option*) const throw (**decaf::io::IOException**) [pure virtual]

Gets the specified **Socket** (p. 3607) option.

Parameters

option	The **Socket** (p. 3607) options whose value is to be retrieved.

Returns

the value of the given socket option.

Exceptions

IOException	if an I/O error occurs while performing this operation.

Implemented in **decaf::internal::net::tcp::TcpSocket** (p. 3856).

6.752.3.13 virtual decaf::io::OutputStream* decaf::net::SocketImpl::getOutputStream ( ) throw (**decaf::io::IOException**) [pure virtual]

Gets the OutputStream linked to this **Socket** (p. 3607).

Returns

an OutputStream pointer owned by the **Socket** (p. 3607) object.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implemented in **decaf::internal::net::tcp::TcpSocket** (p. 3857).

6.752.3.14 int decaf::net::SocketImpl::getPort ( ) const [inline]

Gets the port that this socket has been assigned.

Returns

the Socket's port number.

6.752.3.15 virtual void decaf::net::SocketImpl::listen (int *backlog*) throw (decaf::io::IOException) [pure virtual]

Sets the maximum queue length for incoming connection indications (a request to connect) to the count argument.

If a connection indication arrives when the queue is full, the connection is refused.

Parameters

backlog	The maximum length of the connection queue.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implemented in **decaf::internal::net::tcp::TcpSocket** (p. 3857).

6.752.3.16 virtual void decaf::net::SocketImpl::sendUrgentData (int *data*) throw (decaf::io::IOException) [virtual]

Sends on byte of urgent data to the **Socket** (p. 3607).

Parameters

data	The value to write as urgent data, only the lower eight bits are sent.

Exceptions

IOException	if an I/O error occurs while performing this operation.

6.752.3.17 virtual void decaf::net::SocketImpl::setOption (int *option*, int *value*) throw (**decaf::io::IOException**) [pure virtual]

Sets the specified option on the **Socket** (p. 3607) if supported.

Parameters

option	The **Socket** (p. 3607) option to set.
value	The value of the socket option to apply to the socket.

Exceptions

IOException	if an I/O error occurs while performing this operation.

Implemented in **decaf::internal::net::tcp::TcpSocket** (p. 3858).

6.752.3.18 virtual void decaf::net::SocketImpl::shutdownInput ( ) throw (**decaf::io::IOException**) [pure virtual]

Places the input stream for this socket at "end of stream".

Any data sent to this socket is acknowledged and then silently discarded. If you read from a socket input stream after invoking **shutdownInput()** (p. 3643) on the socket, the stream will return EOF.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implemented in **decaf::internal::net::tcp::TcpSocket** (p. 3859).

6.752.3.19 virtual void decaf::net::SocketImpl::shutdownOutput ( ) throw (**decaf::io::IOException**) [pure virtual]

Disables the output stream for this socket.

For a TCP socket, any previously written data will be sent followed by TCP's normal connection termination sequence. If you write to a socket output stream after invoking **shutdownOutput()** (p. 3643) on the socket, the stream will throw an IOException.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implemented in **decaf::internal::net::tcp::TcpSocket** (p. 3859).

6.752.3.20 virtual bool decaf::net::SocketImpl::supportsUrgentData ( ) const [inline, virtual]

Returns

true if this **SocketImpl** (p. 3635) supports sending Urgent Data. The default implementation always returns false.

6.752.3.21 std::string decaf::net::SocketImpl::toString ( ) const

Returns a string containing the address and port of this **Socket** (p. 3607) instance.

Returns

a string containing the address and port of this socket.

6.752.4 Field Documentation

6.752.4.1 std::string decaf::net::SocketImpl::address [protected]

The Remote Address that the **Socket** (p. 3607) is connected to.

6.752.4.2 io::FileDescriptor* decaf::net::SocketImpl::fd [protected]

The File Descriptor for this **Socket** (p. 3607).

6.752.4.3 int decaf::net::SocketImpl::localPort [protected]

The port on the Local Machine that this **Socket** (p. 3607) is Bound to.

6.752.4.4 int decaf::net::SocketImpl::port [protected]

The remote port that this **Socket** (p. 3607) is connected to.

The documentation for this class was generated from the following file:

- src/main/decaf/net/**SocketImpl.h**

6.753 decaf::net::SocketImplFactory Class Reference

Factory class interface for a Factory that creates ScoketImpl objects.

`#include <src/main/decaf/net/SocketImplFactory.h>`

Public Member Functions

- virtual ~**SocketImplFactory** ()
- virtual **SocketImpl** ∗ **createSocketImpl** ()=0

  *Creates a new SokcetImpl instance and returns it, the caller then owns the instance and must delete it when finished with the **SocketImpl** (p. 3635).*

6.753.1 Detailed Description

Factory class interface for a Factory that creates ScoketImpl objects. These factories can be used to create various types of Sockets, e.g. Streaming, Multicast, SSL, or platform specific variations of these types.

See also

decaf::net::Socket (p. 3607)
decaf::net::ServerSocket (p. 3447)

Since

1.0

6.753.2 Constructor & Destructor Documentation

6.753.2.1 virtual decaf::net::SocketImplFactory::~SocketImplFactory ( ) [inline, virtual]

6.753.3 Member Function Documentation

6.753.3.1 virtual SocketImpl∗ decaf::net::SocketImplFactory::createSocketImpl ( ) [pure virtual]

Creates a new SokcetImpl instance and returns it, the caller then owns the instance and must delete it when finished with the **SocketImpl** (p. 3635).

Returns

new **SocketImpl** (p. 3635) instance that is owned by the caller.

The documentation for this class was generated from the following file:

- src/main/decaf/net/**SocketImplFactory.h**

6.754 decaf::net::SocketOptions Class Reference

```
#include <src/main/decaf/net/SocketOptions.h>
```

Inheritance diagram for decaf::net::SocketOptions:

Public Member Functions

- virtual ~**SocketOptions** ()

Static Public Attributes

- static const int **SOCKET_OPTION_TCP_NODELAY**

  Disable Nagle's algorithm for this connection.

- static const int **SOCKET_OPTION_BINDADDR**

  Fetch the local address binding of a socket (this option cannot be "set" only "gotten", since sockets are bound at creation time, and so the locally bound address cannot be changed).

- static const int **SOCKET_OPTION_REUSEADDR**

  Sets SO_REUSEADDR for a socket.

- static const int **SOCKET_OPTION_BROADCAST**

  Sets SO_BROADCAST for a socket.

- static const int **SOCKET_OPTION_IP_MULTICAST_IF**

  Set which outgoing interface on which to send multicast packets.

- static const int **SOCKET_OPTION_IP_MULTICAST_IF2**

  Same as above.

- static const int **SOCKET_OPTION_IP_MULTICAST_LOOP**

  This option enables or disables local loopback of multicast datagrams.

- static const int **SOCKET_OPTION_IP_TOS**

  This option sets the type-of-service or traffic class field in the IP header for a TCP or UDP socket.

- static const int **SOCKET_OPTION_LINGER**

  Specify a linger-on-close timeout.

- static const int **SOCKET_OPTION_TIMEOUT**

  *Set a timeout on blocking **Socket** (p. 3607) operations.*

- static const int **SOCKET_OPTION_SNDBUF**

  Set a hint the size of the underlying buffers used by the platform for outgoing network I/O.

- static const int **SOCKET_OPTION_RCVBUF**

  Set a hint the size of the underlying buffers used by the platform for incoming network I/O.

- static const int **SOCKET_OPTION_KEEPALIVE**

  When the keepalive option is set for a TCP socket and no data has been exchanged across the socket in either direction for 2 hours (NOTE: the actual value is implementation dependent), TCP automatically sends a keepalive probe to the peer.

- static const int **SOCKET_OPTION_OOBINLINE**

  When the OOBINLINE option is set, any TCP urgent data received on the socket will be received through the socket input stream.

6.754.1 Detailed Description

Since

1.0

6.754.2 Constructor & Destructor Documentation

6.754.2.1 virtual decaf::net::SocketOptions::~SocketOptions ( ) [virtual]

6.754.3 Field Documentation

6.754.3.1 const int decaf::net::SocketOptions::SOCKET_OPTION_BINDADDR [static]

Fetch the local address binding of a socket (this option cannot be "set" only "gotten", since sockets are bound at creation time, and so the locally bound address cannot be changed).

The default local address of a socket is INADDR_ANY, meaning any local address on a multi-homed host. A multi-homed host can use this option to accept connections to only one of its addresses (in the case of a **ServerSocket** (p. 3447) or DatagramSocket), or to specify its return address to the peer (for a **Socket** (p. 3607) or DatagramSocket). The parameter of this option is an **InetAddress** (p. 2077).

6.754.3.2 const int decaf::net::SocketOptions::SOCKET_OPTION_BROADCAST [static]

Sets SO_BROADCAST for a socket.

This option enables and disables the ability of the process to send broadcast messages. It is supported for only datagram sockets and only on networks that support the concept of a broadcast message (e.g. Ethernet, token ring, etc.), and it is set by default for DatagramSockets.

6.754.3.3 const int decaf::net::SocketOptions::SOCKET_OPTION_IP_-MULTICAST_IF [static]

Set which outgoing interface on which to send multicast packets.

Useful on hosts with multiple network interfaces, where applications want to use other than the system default. Takes/returns an **InetAddress** (p. 2077).

Valid for Multicast: DatagramSocketImpl.

6.754.3.4 const int decaf::net::SocketOptions::SOCKET_OPTION_IP_-MULTICAST_IF2 [static]

Same as above.

This option is introduced so that the behaviour with IP_MULTICAST_IF will be kept the same as before, while this new option can support setting outgoing interfaces with either IPv4 and IPv6 addresses.

6.754.3.5 const int decaf::net::SocketOptions::SOCKET_OPTION_IP_-MULTICAST_LOOP [static]

This option enables or disables local loopback of multicast datagrams.

This option is enabled by default for Multicast Sockets.

6.754.3.6 const int decaf::net::SocketOptions::SOCKET_OPTION_IP_TOS [static]

This option sets the type-of-service or traffic class field in the IP header for a TCP or UDP socket.

6.754.3.7 const int decaf::net::SocketOptions::SOCKET_OPTION_KEEPALIVE [static]

When the keepalive option is set for a TCP socket and no data has been exchanged across the socket in either direction for 2 hours (NOTE: the actual value is implementation dependent), TCP automatically sends a keepalive probe to the peer.

This probe is a TCP segment to which the peer must respond. One of three responses is expected: 1. The peer responds with the expected ACK. The application is not notified (since everything is OK). TCP will send another probe following another 2 hours of inactivity. 2. The peer responds with an RST, which tells the local TCP that the peer host has crashed and rebooted. The socket is closed. 3. There is no response from the peer. The socket is closed. The purpose of this option is to detect if the peer host crashes.

Valid only for TCP socket: **SocketImpl** (p. 3635)

6.754.3.8 const int decaf::net::SocketOptions::SOCKET_OPTION_LINGER [static]

Specify a linger-on-close timeout.

This option disables/enables immediate return from a close() of a TCP **Socket** (p. 3607). Enabling this option with a non-zero Integer timeout means that a close() will block pending the transmission and acknowledgment of all data written to the peer, at which point the socket is closed gracefully. Upon reaching the linger timeout, the socket is closed forcefully, with a TCP RST. Enabling the option with a timeout of zero does a forceful close immediately. If the specified timeout value exceeds 65,535 it will be reduced to 65,535.

Valid only for TCP: **SocketImpl** (p. 3635)

6.754.3.9 const int decaf::net::SocketOptions::SOCKET_OPTION_OOBINLINE [static]

When the OOBINLINE option is set, any TCP urgent data received on the socket will be received through the socket input stream.

When the option is disabled (which is the default) urgent data is silently discarded.

6.754.3.10 const int decaf::net::SocketOptions::SOCKET_OPTION_RCVBUF [static]

Set a hint the size of the underlying buffers used by the platform for incoming network I/O.

When used in set, this is a suggestion to the kernel from the application about the size of buffers to use for the data to be received over the socket. When used in get, this must return the size of the buffer actually used by the platform when receiving in data on this socket. Valid for all sockets: **SocketImpl** (p. 3635), DatagramSocketImpl.

6.754.3.11 const int decaf::net::SocketOptions::SOCKET_OPTION_-REUSEADDR [static]

Sets SO_REUSEADDR for a socket.

This is used only for MulticastSockets in decaf, and it is set by default for Multicast-Sockets.

6.754.3.12 const int decaf::net::SocketOptions::SOCKET_OPTION_SNDBUF [static]

Set a hint the size of the underlying buffers used by the platform for outgoing network I/O.

When used in set, this is a suggestion to the kernel from the application about the size of buffers to use for the data to be sent over the socket. When used in get, this must

return the size of the buffer actually used by the platform when sending out data on this socket. Valid for all sockets: **SocketImpl** (p. 3635), DatagramSocketImpl

6.754.3.13 const int decaf::net::SocketOptions::SOCKET_OPTION_TCP_-NODELAY [static]

Disable Nagle's algorithm for this connection.

Written data to the network is not buffered pending acknowledgment of previously written data. Valid for TCP sockets.

6.754.3.14 const int decaf::net::SocketOptions::SOCKET_OPTION_TIMEOUT [static]

Set a timeout on blocking **Socket** (p. 3607) operations.

The option must be set prior to entering a blocking operation to take effect.

The documentation for this class was generated from the following file:

- src/main/decaf/net/**SocketOptions.h**

6.755 decaf::net::SocketTimeoutException Class Reference

`#include <src/main/decaf/net/SocketTimeoutException.h>`

Inheritance diagram for decaf::net::SocketTimeoutException:

Public Member Functions

- **SocketTimeoutException** () throw ()

  Default Constructor.

- **SocketTimeoutException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **SocketTimeoutException** (const **SocketTimeoutException** &ex) throw ()

  Copy Constructor.

- **SocketTimeoutException** (const char *file, const int lineNumber, const std::exception ***cause**, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **SocketTimeoutException** (const std::exception ***cause**) throw ()

  Constructor.

- **SocketTimeoutException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **SocketTimeoutException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**SocketTimeoutException** () throw ()

6.755.1 Constructor & Destructor Documentation

6.755.1.1 decaf::net::SocketTimeoutException::SocketTimeoutException ( ) throw () [inline]

Default Constructor.

6.755.1.2 decaf::net::SocketTimeoutException::SocketTimeoutException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.755.1.3 decaf::net::SocketTimeoutException::SocketTimeoutException (const SocketTimeoutException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.755.1.4 decaf::net::SocketTimeoutException::SocketTimeoutException (const char ∗ *file*, const int *lineNumber*, const std::exception ∗ *cause*, const char ∗ *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs

lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.755.1.5 decaf::net::SocketTimeoutException::SocketTimeoutException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.755.1.6 decaf::net::SocketTimeoutException::SocketTimeoutException (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.755.1.7 virtual decaf::net::SocketTimeoutException::~SocketTimeoutException ( ) throw () [inline, virtual]

6.755.2 Member Function Documentation

6.755.2.1 virtual SocketTimeoutException* decaf::net::SocketTimeoutException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new Exception instance that is a copy of this Exception object.

Reimplemented from **decaf::io::InterruptedIOException** (p. 2198).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**SocketTimeoutException.h**

6.756 decaf::net::ssl::SSLContext Class Reference

Represents on implementation of the Secure **Socket** (p. 3607) Layer for streaming based sockets.

```
#include <src/main/decaf/net/ssl/SSLContext.h>
```

Public Member Functions

- **SSLContext** (**SSLContextSpi** ∗contextImpl)
- virtual ∼**SSLContext** ()
- **SocketFactory** ∗ **getSocketFactory** ()

  *Returns an **SocketFactory** (p. 3629) instance for use with this Context, the **SocketFactory** (p. 3629) is owned by the Context and should not be deleted by the caller.*

- **ServerSocketFactory** ∗ **getServerSocketFactory** ()

  *Returns an **ServerSocketFactory** (p. 3457) instance for use with this Context, the **ServerSocketFactory** (p. 3457) is owned by the Context and should not be deleted by the caller.*

- **SSLParameters** ∗ **getDefaultSSLParameters** ()
- **SSLParameters** ∗ **getSupportedSSLParameters** ()

Static Public Member Functions

- static **SSLContext** ∗ **getDefault** ()

  *Gets the Default **SSLContext** (p. 3653).*

- static void **setDefault** (**SSLContext** ∗context)

  *Sets the default **SSLContext** (p. 3653) to be returned from future calls to getDefault.*

6.756.1 Detailed Description

Represents on implementation of the Secure **Socket** (p. 3607) Layer for streaming based sockets. This class servers a a source of factories to be used to create new SSL **Socket** (p. 3607) instances.

Since

1.0

6.756.2 Constructor & Destructor Documentation

6.756.2.1 decaf::net::ssl::SSLContext::SSLContext (SSLContextSpi * *contextImpl*)

6.756.2.2 virtual decaf::net::ssl::SSLContext::~SSLContext ( ) [virtual]

6.756.3 Member Function Documentation

6.756.3.1 static SSLContext* decaf::net::ssl::SSLContext::getDefault ( ) [static]

Gets the Default **SSLContext** (p. 3653).

The default instance of the **SSLContext** (p. 3653) should be immediately usable without any need for the client to initialize this context.

Returns

a pointer to the Default **SSLContext** (p. 3653) instance.

6.756.3.2 SSLParameters* decaf::net::ssl::SSLContext::getDefaultSSLParameters ( )

Returns

a new instance of an **SSLParameters** (p. 3658) object containing the default set of settings for this **SSLContext** (p. 3653).

Exceptions

UnsupportedOperationException	if the parameters cannot be retrieved.

6.756.3.3 ServerSocketFactory* decaf::net::ssl::SSLContext::getServerSocketFactory ( )

Returns an **ServerSocketFactory** (p. 3457) instance for use with this Context, the **ServerSocketFactory** (p. 3457) is owned by the Context and should not be deleted by the caller.

Returns

a pointer to this SSLContext's **ServerSocketFactory** (p. 3457) for creating **SSLServerSocket** (p. 3662) objects.

Exceptions

IllegalStateException	if the **SSLContextSpi** (p. 3655) requires initialization but it has not yet been initialized.

6.756.3.4 SocketFactory* decaf::net::ssl::SSLContext::getSocketFactory ( )

Returns an **SocketFactory** (p. 3629) instance for use with this Context, the **SocketFactory** (p. 3629) is owned by the Context and should not be deleted by the caller.

Returns

a pointer to this SSLContext's **SocketFactory** (p. 3629) for creating **SSLSocket** (p. 3670) objects.

Exceptions

IllegalStateException	if the **SSLContextSpi** (p. 3655) requires initialization but it has not yet been initialized.

6.756.3.5 SSLParameters* decaf::net::ssl::SSLContext::getSupportedSSLParameters ( )

Returns

a new instance of an **SSLParameters** (p. 3658) object containing the complete set of settings for this **SSLContext** (p. 3653).

Exceptions

UnsupportedOperationException	if the parameters cannot be retrieved.

6.756.3.6 static void decaf::net::ssl::SSLContext::setDefault (SSLContext * *context*) [static]

Sets the default **SSLContext** (p. 3653) to be returned from future calls to getDefault.

The set **SSLContext** (p. 3653) must be fully initialized and usable. The caller is responsible for deleting this object before the Library shutdown methods are called.

Exceptions

NullPointerException	if the context passed is NULL.

The documentation for this class was generated from the following file:

- src/main/decaf/net/ssl/**SSLContext.h**

6.757 decaf::net::ssl::SSLContextSpi Class Reference

Defines the interface that should be provided by an **SSLContext** (p. 3653) provider.

```
#include <src/main/decaf/net/ssl/SSLContextSpi.h>
```

Inheritance diagram for decaf::net::ssl::SSLContextSpi:

Public Member Functions

- virtual ~**SSLContextSpi** ()
- virtual void **providerInit** (**security::SecureRandom** *random)=0

  Perform the initialization of this Context.

- virtual **SSLParameters** * **providerGetDefaultSSLParameters** ()

  *Creates a returns a new **SSLParameters** (p. 3658) instance that contains the default settings for this Providers **SSLContext** (p. 3653).*

- virtual **SSLParameters** * **providerGetSupportedSSLParameters** ()

  *Creates and returns a new **SSLParameters** (p. 3658) instance that contains the full set of supported parameters for this SSL Context.*

- virtual **SocketFactory** * **providerGetSocketFactory** ()=0

  *Returns a **SocketFactory** (p. 3629) instance that can be used to create new **SSLSocket** (p. 3670) objects.*

- virtual **ServerSocketFactory** * **providerGetServerSocketFactory** ()=0

  *Returns a **ServerSocketFactory** (p. 3457) instance that can be used to create new **SSLServerSocket** (p. 3662) objects.*

6.757.1 Detailed Description

Defines the interface that should be provided by an **SSLContext** (p. 3653) provider.

Since

1.0

6.757.2 Constructor & Destructor Documentation

6.757.2.1 virtual decaf::net::ssl::SSLContextSpi::~SSLContextSpi ( ) [virtual]

6.757.3 Member Function Documentation

6.757.3.1 virtual SSLParameters* decaf::net::ssl::SSLContextSpi::providerGetDefaultSSLParameters ( ) [virtual]

Creates a returns a new **SSLParameters** (p. 3658) instance that contains the default settings for this Providers **SSLContext** (p. 3653).

The returned **SSLParameters** (p. 3658) instance is requires to have non-empty values in its ciphersuites and protocols.

Returns

new **SSLParameters** (p. 3658) instance with the **SSLContext** (p. 3653) defaults.

Exceptions

UnsupportedOperationException	if the defaults cannot be obtained.

6.757.3.2 virtual ServerSocketFactory* decaf::net::ssl::SSLContextSpi::providerGetServerSocketFactory ( ) [pure virtual]

Returns a **ServerSocketFactory** (p. 3457) instance that can be used to create new **SSLServerSocket** (p. 3662) objects.

The **ServerSocketFactory** (p. 3457) is owned by the Service Provider and should not be destroyed by the caller.

Returns

SocketFactory (p. 3629) instance that can be used to create new SSLServerSockets.

Exceptions

IllegalStateException	if the **SSLContextSpi** (p. 3655) object requires initialization but has not been initialized yet.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLContextSpi** (p. 2926).

6.757.3.3 virtual SocketFactory* decaf::net::ssl::SSLContextSpi::providerGetSocketFactory ( ) [pure virtual]

Returns a **SocketFactory** (p. 3629) instance that can be used to create new **SSLSocket** (p. 3670) objects.

The **SocketFactory** (p. 3629) is owned by the Service Provider and should not be destroyed by the caller.

Returns

SocketFactory (p. 3629) instance that can be used to create new SSLSockets.

Exceptions

IllegalStateException	if the **SSLContextSpi** (p. 3655) object requires initialization but has not been initialized yet.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLContextSpi** (p. 2926).

6.757.3.4 virtual SSLParameters* decaf::net::ssl::SSLContextSpi::providerGetSupportedSSLParameters ( ) [virtual]

Creates and returns a new **SSLParameters** (p. 3658) instance that contains the full set of supported parameters for this SSL Context.

The returned **SSLParameters** (p. 3658) instance is requires to have non-empty values in its ciphersuites and protocols.

Returns

a new **SSLParameters** (p. 3658) instance with the full set of settings that are supported.

Exceptions

UnsupportedOperationException	if the supported parameters cannot be obtained.

6.757.3.5 virtual void decaf::net::ssl::SSLContextSpi::providerInit (security::SecureRandom * *random*) [pure virtual]

Perform the initialization of this Context.

Parameters

random	Pointer to an instance of a secure random number generator.

Exceptions

NullPointerException	if the SecureRandom instance is NULL.
KeyManagementException	if an error occurs while initializing the context.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLContextSpi** (p. 2927).

The documentation for this class was generated from the following file:

- src/main/decaf/net/ssl/**SSLContextSpi.h**

6.758 decaf::net::ssl::SSLParameters Class Reference

```
#include <src/main/decaf/net/ssl/SSLParameters.h>
```

Public Member Functions

- **SSLParameters** ()

  *Creates a new **SSLParameters** (p. 3658) instance with empty vectors for the protocols and the cipherSuites, the wantClientAuth and needClientAuth flags are set to false.*

- **SSLParameters** (const std::vector< std::string > &cipherSuites)

  *Creates a new **SSLParameters** (p. 3658) instance with the given cipherSuites value, the protocols vector is empty and the wantClientAuth and needClientAuth flags are set to false.*

- **SSLParameters** (const std::vector< std::string > &cipherSuites, const std::vector< std::string > &protocols)

  *Creates a new **SSLParameters** (p. 3658) instance with the given cipherSuites value and protocols value, the wantClientAuth and needClientAuth flags are set to false.*

- virtual ~**SSLParameters** ()
- std::vector< std::string > **getCipherSuites** () const
- void **setCipherSuites** (const std::vector< std::string > &cipherSuites)

  Sets the vector of ciphersuites.

- std::vector< std::string > **getProtocols** () const
- void **setProtocols** (const std::vector< std::string > &protocols)

  Sets the vector of protocols.

- bool **getWantClientAuth** () const
- void **setWantClientAuth** (bool wantClientAuth)

  Sets whether client authentication should be requested.

- bool **getNeedClientAuth** () const
- void **setNeedClientAuth** (bool needClientAuth)

  Sets whether client authentication should be required.

6.758.1 Constructor & Destructor Documentation

6.758.1.1 decaf::net::ssl::SSLParameters::SSLParameters ( )

Creates a new **SSLParameters** (p. 3658) instance with empty vectors for the protocols and the cipherSuites, the wantClientAuth and needClientAuth flags are set to false.

6.758.1.2 decaf::net::ssl::SSLParameters::SSLParameters (const std::vector< std::string > & *cipherSuites*)

Creates a new **SSLParameters** (p. 3658) instance with the given cipherSuites value, the protocols vector is empty and the wantClientAuth and needClientAuth flags are set to false.

Parameters

cipherSuites	The vector of cipherSuites for this **SSLParameters** (p. 3658) instance (can be empty).

6.758.1.3 decaf::net::ssl::SSLParameters::SSLParameters (const std::vector< std::string > & *cipherSuites,* const std::vector< std::string > & *protocols*)

Creates a new **SSLParameters** (p. 3658) instance with the given cipherSuites value and protocols value, the wantClientAuth and needClientAuth flags are set to false.

Parameters

cipherSuites	The vector of cipherSuites for this **SSLParameters** (p. 3658) instance (can be empty).
protocols	The vector of protocols for this **SSLParameters** (p. 3658) instance (can be empty).

6.758.1.4 virtual decaf::net::ssl::SSLParameters::~SSLParameters ( ) [virtual]

6.758.2 Member Function Documentation

6.758.2.1 std::vector<std::string> decaf::net::ssl::SSLParameters::getCipherSuites ( ) const [inline]

Returns

a copy of the vector of ciphersuites or an empty vector if none have been set.

6.758.2.2 bool decaf::net::ssl::SSLParameters::getNeedClientAuth ( ) const [inline]

Returns

whether client authentication should be required.

6.758.2.3 std::vector<std::string> decaf::net::ssl::SSLParameters::getProtocols ( ) const [inline]

Returns

a copy of the vector of protocols or an empty vector if none have been set.

6.758.2.4 bool decaf::net::ssl::SSLParameters::getWantClientAuth ( ) const [inline]

Returns

whether client authentication should be requested.

6.758.2.5 void decaf::net::ssl::SSLParameters::setCipherSuites (const std::vector< std::string > & *cipherSuites*) [inline]

Sets the vector of ciphersuites.

Parameters

cipherSuites	The vector of cipherSuites (can be an empty vector).

6.758.2.6 void decaf::net::ssl::SSLParameters::setNeedClientAuth (bool *needClientAuth*) [inline]

Sets whether client authentication should be required.

Calling this method clears the wantClientAuth flag.

Parameters

needClientAuth	whether client authentication should be required.

6.758.2.7 void decaf::net::ssl::SSLParameters::setProtocols (const std::vector< std::string > & *protocols*) [inline]

Sets the vector of protocols.

Parameters

protocols	the vector of protocols (or an empty vector)

6.758.2.8 void decaf::net::ssl::SSLParameters::setWantClientAuth (bool *wantClientAuth*) [inline]

Sets whether client authentication should be requested.

Calling this method clears the needClientAuth flag.

Parameters

whether	client authentication should be requested.

The documentation for this class was generated from the following file:

- src/main/decaf/net/ssl/**SSLParameters.h**

6.759 decaf::net::ssl::SSLServerSocket Class Reference

Represents a server socket that is used to accept connections from clients using the Secure Sockets protocol or the Top Level Security protocol.

`#include <src/main/decaf/net/ssl/SSLServerSocket.h>`

Inheritance diagram for decaf::net::ssl::SSLServerSocket:

Public Member Functions

- virtual ~**SSLServerSocket** ()
- virtual std::vector< std::string > **getSupportedCipherSuites** () const =0

  *Gets a vector containing the names of all the cipher suites that are supported by this **SSLServerSocket** (p. 3662).*

- virtual std::vector< std::string > **getSupportedProtocols** () const =0

  *Gets a vector containing the names of all the protocols that could be enabled for this **SSLServerSocket** (p. 3662) instance.*

- virtual std::vector< std::string > **getEnabledCipherSuites** () const =0

  *Returns a vector containing the names of all the currently enabled Cipher Suites for this **SSLServerSocket** (p. 3662).*

- virtual void **setEnabledCipherSuites** (const std::vector< std::string > &suites)=0

  *Sets the Cipher Suites that are to be enabled on the **SSLServerSocket** (p. 3662) connection.*

- virtual std::vector< std::string > **getEnabledProtocols** () const =0

  *Returns a vector containing the names of all the currently enabled Protocols for this **SSLServerSocket** (p. 3662).*

- virtual void **setEnabledProtocols** (const std::vector< std::string > &protocols)=0

  *Sets the Protocols that are to be enabled on the **SSLServerSocket** (p. 3662) connection.*

- virtual bool **getWantClientAuth** () const =0
- virtual void **setWantClientAuth** (bool value)=0

  *Sets whether or not this **Socket** (p. 3607) will request Client Authentication.*

- virtual bool **getNeedClientAuth** () const =0
- virtual void **setNeedClientAuth** (bool value)=0

  *Sets whether or not this **Socket** (p. 3607) will require Client Authentication.*

Protected Member Functions

- **SSLServerSocket** ()

  Creates a non-bound server socket.

- **SSLServerSocket** (int port)

  *Creates a new **ServerSocket** (p. 3447) bound to the specified port, if the value of port is 0, then any free port is chosen.*

- **SSLServerSocket** (int port, int backlog)

  *Creates a new **ServerSocket** (p. 3447) bound to the specified port, if the value of port is 0, then any free port is chosen.*

- **SSLServerSocket** (int port, int backlog, const **decaf::net::InetAddress** *address)

  *Creates a new **ServerSocket** (p. 3447) bound to the specified port, if the value of port is 0, then any free port is chosen.*

6.759.1 Detailed Description

Represents a server socket that is used to accept connections from clients using the Secure Sockets protocol or the Top Level Security protocol. The main function of this class is to create **SSLSocket** (p. 3670) objects by accepting connections from client sockets over SSL.

Since

1.0

6.759.2 Constructor & Destructor Documentation

6.759.2.1 decaf::net::ssl::SSLServerSocket::SSLServerSocket ( ) [protected]

Creates a non-bound server socket.

6.759.2.2 decaf::net::ssl::SSLServerSocket::SSLServerSocket (int *port*) [protected]

Creates a new **ServerSocket** (p. 3447) bound to the specified port, if the value of port is 0, then any free port is chosen.

When this constructor is called the size of the backlog queue is set at 50, connections that arrive after the backlog has been reached are refused.

If a **SocketImplFactory** (p. 3644) is registered then the createSocketImpl method on the factory will be called otherwise a default **SocketImpl** (p. 3635) is created.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.

Exceptions

IOException	if there is an I/O error while performing this operation.
IllegalArgumentException	if the port value is negative or greater than 65535.

6.759.2.3 decaf::net::ssl::SSLServerSocket::SSLServerSocket (int *port*, int *backlog*) [protected]

Creates a new **ServerSocket** (p. 3447) bound to the specified port, if the value of port is 0, then any free port is chosen.

When this constructor is called the size of the backlog queue is set at backlog, connections that arrive after the backlog has been reached are refused. If backlog is zero or negative then the default backlog value of 50 is used.

If a **SocketImplFactory** (p. 3644) is registered then the createSocketImpl method on the factory will be called otherwise a default **SocketImpl** (p. 3635) is created.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.
backlog	The the number of incoming connection attempts to queue before connections are refused.

Exceptions

IOException	if there is an I/O error while performing this operation.
IllegalArgumentException	if the port value is negative or greater than 65535.

6.759.2.4 decaf::net::ssl::SSLServerSocket::SSLServerSocket (int *port*, int *backlog*, const **decaf::net::InetAddress** * *address*) [protected]

Creates a new **ServerSocket** (p. 3447) bound to the specified port, if the value of port is 0, then any free port is chosen.

If the value of the ifAddress is empty or NULL then the ANY address is used.

When this constructor is called the size of the backlog queue is set at backlog, connections that arrive after the backlog has been reached are refused. If backlog is zero or negative then the default backlog value of 50 is used.

If a **SocketImplFactory** (p. 3644) is registered then the createSocketImpl method on the factory will be called otherwise a default **SocketImpl** (p. 3635) is created.

Parameters

port	The port to bind the **ServerSocket** (p. 3447) to.
backlog	The the number of incoming connection attempts to queue before connections are refused.
ifAddress	The IP Address to bind to on the local machine.

Exceptions

IOException	if there is an I/O error while performing this operation.
IllegalArgumentException	if the port value is negative or greater than 65535.

6.759.2.5 virtual decaf::net::ssl::SSLServerSocket::~SSLServerSocket ( ) [virtual]

6.759.3 Member Function Documentation

6.759.3.1 virtual std::vector<std::string> decaf::net::ssl::SSLServerSocket::getEnabledCipherSuites ( ) const [pure virtual]

Returns a vector containing the names of all the currently enabled Cipher Suites for this **SSLServerSocket** (p. 3662).

Returns

vector of the names of all enabled Cipher Suites.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLServerSocket** (p. 2933).

6.759.3.2 virtual std::vector<std::string> decaf::net::ssl::SSLServerSocket::getEnabledProtocols ( ) const [pure virtual]

Returns a vector containing the names of all the currently enabled Protocols for this **SSLServerSocket** (p. 3662).

Returns

vector of the names of all enabled Protocols.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLServerSocket** (p. 2933).

6.759.3.3 virtual bool decaf::net::ssl::SSLServerSocket::getNeedClientAuth ( ) const [pure virtual]

Returns

true if the **Socket** (p. 3607) requires client Authentication.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLServerSocket** (p. 2933).

6.759.3.4 virtual std::vector<std::string> decaf::net::ssl::SSLServerSocket::getSupportedCipherSuites ( ) const [pure virtual]

Gets a vector containing the names of all the cipher suites that are supported by this **SSLServerSocket** (p. 3662).

Normally not all of these cipher suites will be enabled on the **Socket** (p. 3607).

Returns

a vector containing the names of all the supported cipher suites.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLServerSocket** (p. 2933).

6.759.3.5 virtual std::vector<std::string> decaf::net::ssl::SSLServerSocket::getSupportedProtocols ( ) const [pure virtual]

Gets a vector containing the names of all the protocols that could be enabled for this **SSLServerSocket** (p. 3662) instance.

Returns

a vector containing the names of all the supported protocols.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLServerSocket** (p. 2934).

6.759.3.6 virtual bool decaf::net::ssl::SSLServerSocket::getWantClientAuth ( ) const [pure virtual]

Returns

true if the **Socket** (p. 3607) request client Authentication.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLServerSocket** (p. 2934).

6.759.3.7 virtual void decaf::net::ssl::SSLServerSocket::setEnabledCipherSuites (const std::vector< std::string > & *suites*) [pure virtual]

Sets the Cipher Suites that are to be enabled on the **SSLServerSocket** (p. 3662) connection.

Each of the named Cipher Suites must appear in the list of supported cipher suites for this connection or an exception will be thrown.

Parameters

suites	An Vector of names for all the Cipher Suites that are to be enabled.

Exceptions

IllegalArgumentException	if the vector is empty or one of the names is invalid.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLServerSocket** (p. 2934).

6.759.3.8 virtual void decaf::net::ssl::SSLServerSocket::setEnabledProtocols (const std::vector< std::string > & *protocols*) [pure virtual]

Sets the Protocols that are to be enabled on the **SSLServerSocket** (p. 3662) connection.

Each of the named Protocols must appear in the list of supported protocols suites for this connection or an exception will be thrown.

Parameters

protocols	An Vector of names for all the Protocols that are to be enabled.

Exceptions

IllegalArgumentException	if the vector is empty or one of the names is invalid.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLServerSocket** (p. 2934).

6.759.3.9 virtual void decaf::net::ssl::SSLServerSocket::setNeedClientAuth (bool *value*) [pure virtual]

Sets whether or not this **Socket** (p. 3607) will require Client Authentication.

If set to true the **Socket** (p. 3607) (when used in server mode) will require that the client authenticate itself, if the client doesn't send authentication the socket will not allow negotiation to continue.

Parameters

value	Whether the server socket should require client authentication.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLServerSocket** (p. 2935).

6.759.3.10 virtual void decaf::net::ssl::SSLServerSocket::setWantClientAuth (bool *value*) [pure virtual]

Sets whether or not this **Socket** (p. 3607) will request Client Authentication.

If set to true the **Socket** (p. 3607) (when used in server mode) will request that the client authenticate itself, if the client doesn't send authentication the socket will still allow negotiation to continue.

Parameters

value	Whether the server socket should request client authentication.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLServerSocket** (p. 2935).

The documentation for this class was generated from the following file:

- src/main/decaf/net/ssl/**SSLServerSocket.h**

6.760 decaf::net::ssl::SSLServerSocketFactory Class Reference

Factory class interface that provides methods to create SSL Server Sockets.

`#include <src/main/decaf/net/ssl/SSLServerSocketFactory.h>`

Inheritance diagram for decaf::net::ssl::SSLServerSocketFactory:

Public Member Functions

- virtual ~**SSLServerSocketFactory** ()
- virtual std::vector< std::string > **getDefaultCipherSuites** ()=0

  Returns the list of cipher suites which are enabled by default.

- virtual std::vector< std::string > **getSupportedCipherSuites** ()=0

  Returns the names of the cipher suites which could be enabled for use on an SSL connection.

Static Public Member Functions

- static **ServerSocketFactory** * **getDefault** ()

  *Returns the current default SSL **ServerSocketFactory** (p. 3457), the factory is returned as a pointer however the caller does not own this pointer and should not delete it.*

Protected Member Functions

- **SSLServerSocketFactory** ()

6.760.1 Detailed Description

Factory class interface that provides methods to create SSL Server Sockets.

Since

1.0

6.760.2 Constructor & Destructor Documentation

6.760.2.1 decaf::net::ssl::SSLServerSocketFactory::SSLServerSocketFactory ( ) [protected]

6.760.2.2 virtual decaf::net::ssl::SSLServerSocketFactory::~SSLServerSocketFactory ( ) [virtual]

6.760.3 Member Function Documentation

6.760.3.1 static ServerSocketFactory* decaf::net::ssl::SSLServerSocketFactory::getDefault ( ) [static]

Returns the current default SSL **ServerSocketFactory** (p. 3457), the factory is returned as a pointer however the caller does not own this pointer and should not delete it.

This method returns **SSLContext::getDefault()** (p. 3654)->getServerSocketFactory(). If that call fails, a non-functional factory is returned.

Returns

the default SSL **ServerSocketFactory** (p. 3457) pointer.

See also

decaf::net::ssl::SSLContext::getDefault() (p. 3654)

Reimplemented from **decaf::net::ServerSocketFactory** (p. 3460).

6.760.3.2 virtual std::vector<std::string> decaf::net::ssl::SSLServerSocketFactory::getDefaultCipherSuites ( ) [pure virtual]

Returns the list of cipher suites which are enabled by default.

Unless a different list is enabled, handshaking on an SSL connection will use one of these cipher suites. The minimum quality of service for these defaults requires confidentiality protection and server authentication (that is, no anonymous cipher suites).

Returns

an STL vector containing the list of cipher suites enabled by default.

See also

getSupportedCipherSuites() (p. 3670)

Implemented in **decaf::internal::net::ssl::DefaultSSLServerSocketFactory** (p. 1749), and **decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory** (p. 2940).

6.760.3.3 virtual std::vector<std::string> decaf::net::ssl::SSLServerSocketFactory::getSupportedCipherSuites ( ) [pure virtual]

Returns the names of the cipher suites which could be enabled for use on an SSL connection.

Normally, only a subset of these will actually be enabled by default, since this list may include cipher suites which do not meet quality of service requirements for those defaults. Such cipher suites are useful in specialized applications.

Returns

an STL vector containing the list of supported cipher suites.

See also

getDefaultCipherSuites() (p. 3669)

Implemented in **decaf::internal::net::ssl::DefaultSSLServerSocketFactory** (p. 1749), and **decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory** (p. 2940).

The documentation for this class was generated from the following file:

- src/main/decaf/net/ssl/**SSLServerSocketFactory.h**

6.761 decaf::net::ssl::SSLSocket Class Reference

`#include <src/main/decaf/net/ssl/SSLSocket.h>`

Inheritance diagram for decaf::net::ssl::SSLSocket:

Public Member Functions

- **SSLSocket** ()
- **SSLSocket** (const **InetAddress** *address, int port)

  *Creates a new **SSLSocket** (p. 3670) instance and connects it to the given address and port.*

- **SSLSocket** (const **InetAddress** *address, int port, const **InetAddress** *localAddress, int localPort)

  *Creates a new **SSLSocket** (p. 3670) instance and connects it to the given address and port.*

- **SSLSocket** (const std::string &host, int port)

  *Creates a new **SSLSocket** (p. 3670) instance and connects it to the given host and port.*

- **SSLSocket** (const std::string &host, int port, const **InetAddress** ∗localAddress, int localPort)

  *Creates a new **SSLSocket** (p. 3670) instance and connects it to the given host and port.*

- virtual ∼**SSLSocket** ()
- virtual std::vector< std::string > **getSupportedCipherSuites** () const =0

  *Gets a vector containing the names of all the cipher suites that are supported by this **SSLSocket** (p. 3670).*

- virtual std::vector< std::string > **getSupportedProtocols** () const =0

  *Gets a vector containing the names of all the protocols that could be enabled for this **SSLSocket** (p. 3670) instance.*

- virtual std::vector< std::string > **getEnabledCipherSuites** () const =0

  *Returns a vector containing the names of all the currently enabled Cipher Suites for this SSL **Socket** (p. 3607).*

- virtual void **setEnabledCipherSuites** (const std::vector< std::string > &suites)=0

  *Sets the Cipher Suites that are to be enabled on the SSL **Socket** (p. 3607) connection.*

- virtual std::vector< std::string > **getEnabledProtocols** () const =0

  *Returns a vector containing the names of all the currently enabled Protocols for this SSL **Socket** (p. 3607).*

- virtual void **setEnabledProtocols** (const std::vector< std::string > &protocols)=0

  *Sets the Protocols that are to be enabled on the SSL **Socket** (p. 3607) connection.*

- virtual **SSLParameters getSSLParameters** () const

  *Returns an **SSLParameters** (p. 3658) object for this **SSLSocket** (p. 3670) instance.*

- virtual void **setSSLParameters** (const **SSLParameters** &value)

  *Sets the **SSLParameters** (p. 3658) for this **SSLSocket** (p. 3670) using the supplied **SSLParameters** (p. 3658) instance.*

- virtual void **startHandshake** ()=0

  Initiates a handshake for this SSL Connection, this can be necessary for several reasons such as using new encryption keys, or starting a new session.

- virtual void **setUseClientMode** (bool value)=0

  Determines the mode that the socket uses when a handshake is initiated, client or server.

- virtual bool **getUseClientMode** () const =0

*Gets whether this **Socket** (p. 3607) is in Client or Server mode, true indicates that the mode is set to Client.*

- virtual void **setNeedClientAuth** (bool value)=0

  *Sets the **Socket** (p. 3607) to require that a client authenticate itself by sending a valid Certificate that is trusted by this Server mode socket.*

- virtual bool **getNeedClientAuth** () const =0

  Returns if this socket is configured to require client authentication, true means that is has and that clients that failed to authenticate will be rejected.

- virtual void **setWantClientAuth** (bool value)=0

  *Sets the **Socket** (p. 3607) to request that a client authenticate itself by sending a valid Certificate that is trusted by this Server mode socket.*

- virtual bool **getWantClientAuth** () const =0

  Returns if this socket is configured to request client authentication, true means that is has and that clients that failed to authenticate will be rejected but that cleints that do not send a certificate are not considered to have failed authentication.

6.761.1 Detailed Description

Since

1.0

6.761.2 Constructor & Destructor Documentation

6.761.2.1 decaf::net::ssl::SSLSocket::SSLSocket ( )

6.761.2.2 decaf::net::ssl::SSLSocket::SSLSocket (const InetAddress * *address*, int *port*)

Creates a new **SSLSocket** (p. 3670) instance and connects it to the given address and port.

If the host parameter is empty then the loop back address is used.

Parameters

address	The address to connect to.
port	The port number to connect to [0...65535]

Exceptions

UnknownHostException (p. *4019*)	if the host cannot be resolved.
IOException	if an I/O error occurs while connecting the **Socket** (p. 3607).

NullPointerException	if the **InetAddress** (p. 2077) instance in NULL.
IllegalArgumentException	if the port if not in range [0...65535]

6.761.2.3 decaf::net::ssl::SSLSocket::SSLSocket (const InetAddress * *address*, int *port*, const InetAddress * *localAddress*, int *localPort*)

Creates a new **SSLSocket** (p. 3670) instance and connects it to the given address and port.

The **Socket** (p. 3607) will also bind to the local address and port specified.

Parameters

address	The address to connect to.
port	The port number to connect to [0...65535]
localAddress	The IP address on the local machine to bind to.
localPort	The port on the local machine to bind to.

Exceptions

UnknownHostException (p. *4019*)	if the host cannot be resolved.
IOException	if an I/O error occurs while connecting the **Socket** (p. 3607).
NullPointerException	if the **InetAddress** (p. 2077) instance in NULL.
IllegalArgumentException	if the port if not in range [0...65535]

6.761.2.4 decaf::net::ssl::SSLSocket::SSLSocket (const std::string & *host*, int *port*)

Creates a new **SSLSocket** (p. 3670) instance and connects it to the given host and port.

If the host parameter is empty then the loop back address is used.

Parameters

host	The host name or IP address to connect to, empty string means loopback.
port	The port number to connect to [0...65535]

Exceptions

UnknownHostException (p. *4019*)	if the host cannot be resolved.

IOException	if an I/O error occurs while connecting the **Socket** (p. 3607).
IllegalArgumentException	if the port if not in range [0...65535]

6.761.2.5 decaf::net::ssl::SSLSocket::SSLSocket (const std::string & *host*, int *port*, const InetAddress * *localAddress*, int *localPort*)

Creates a new **SSLSocket** (p. 3670) instance and connects it to the given host and port.

If the host parameter is empty then the loop back address is used.

Parameters

host	The host name or IP address to connect to, empty string means loopback.
port	The port number to connect to [0...65535]
localAddress	The IP address on the local machine to bind to.
localPort	The port on the local machine to bind to.

Exceptions

UnknownHostException (p. *4019*)	if the host cannot be resolved.
IOException	if an I/O error occurs while connecting the **Socket** (p. 3607).
IllegalArgumentException	if the port if not in range [0...65535]

6.761.2.6 virtual decaf::net::ssl::SSLSocket::~SSLSocket ( ) [virtual]

6.761.3 Member Function Documentation

6.761.3.1 virtual std::vector<std::string> decaf::net::ssl::SSLSocket::getEnabledCipherSuites ( ) const [pure virtual]

Returns a vector containing the names of all the currently enabled Cipher Suites for this SSL **Socket** (p. 3607).

Returns

vector of the names of all enabled Cipher Suites.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2947).

6.761.3.2 virtual std::vector<std::string> decaf::net::ssl::SSLSocket::getEnabledProtocols ( ) const [pure virtual]

Returns a vector containing the names of all the currently enabled Protocols for this SSL **Socket** (p. 3607).

Returns

vector of the names of all enabled Protocols.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2948).

6.761.3.3 virtual bool decaf::net::ssl::SSLSocket::getNeedClientAuth ( ) const [pure virtual]

Returns if this socket is configured to require client authentication, true means that is has and that clients that failed to authenticate will be rejected.

This option is only useful when the socket is operating in server mode.

Returns

true if client authentication is required.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2948).

6.761.3.4 virtual SSLParameters decaf::net::ssl::SSLSocket::getSSLParameters ( ) const [virtual]

Returns an **SSLParameters** (p. 3658) object for this **SSLSocket** (p. 3670) instance.

The cipherSuites and protocols vectors in the returned **SSLParameters** (p. 3658) reference will never be empty.

Returns

an **SSLParameters** (p. 3658) object with the settings in use for the **SSLSocket** (p. 3670).

6.761.3.5 virtual std::vector<std::string> decaf::net::ssl::SSLSocket::getSupportedCipherSuites ( ) const [pure virtual]

Gets a vector containing the names of all the cipher suites that are supported by this **SSLSocket** (p. 3670).

Normally not all of these cipher suites will be enabled on the **Socket** (p. 3607).

Returns

a vector containing the names of all the supported cipher suites.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2949).

6.761.3.6 virtual std::vector<std::string> decaf::net::ssl::SSLSocket::getSupportedProtocols ( ) const [pure virtual]

Gets a vector containing the names of all the protocols that could be enabled for this **SSLSocket** (p. 3670) instance.

Returns

a vector containing the names of all the supported protocols.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2949).

6.761.3.7 virtual bool decaf::net::ssl::SSLSocket::getUseClientMode ( ) const [pure virtual]

Gets whether this **Socket** (p. 3607) is in Client or Server mode, true indicates that the mode is set to Client.

Returns

true if the **Socket** (p. 3607) is in Client mode, false otherwise.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2950).

6.761.3.8 virtual bool decaf::net::ssl::SSLSocket::getWantClientAuth ( ) const [pure virtual]

Returns if this socket is configured to request client authentication, true means that is has and that clients that failed to authenticate will be rejected but that cleints that do not send a certificate are not considered to have failed authentication.

This option is only useful when the socket is operating in server mode.

Returns

true if client authentication is required.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2950).

6.761.3.9 virtual void decaf::net::ssl::SSLSocket::setEnabledCipherSuites (const std::vector< std::string > & *suites*) [pure virtual]

Sets the Cipher Suites that are to be enabled on the SSL **Socket** (p. 3607) connection.

Each of the named Cipher Suites must appear in the list of supported cipher suites for this connection or an exception will be thrown.

Parameters

suites	An Vector of names for all the Cipher Suites that are to be enabled.

Exceptions

IllegalArgumentException	if the vector is empty or one of the names is invalid.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2951).

6.761.3.10 virtual void decaf::net::ssl::SSLSocket::setEnabledProtocols (const std::vector< std::string > & *protocols*) [pure virtual]

Sets the Protocols that are to be enabled on the SSL **Socket** (p. 3607) connection.

Each of the named Protocols must appear in the list of supported protocols suites for this connection or an exception will be thrown.

Parameters

protocols	An Vector of names for all the Protocols that are to be enabled.

Exceptions

IllegalArgumentException	if the vector is empty or one of the names is invalid.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2951).

6.761.3.11 virtual void decaf::net::ssl::SSLSocket::setNeedClientAuth (bool *value*) [pure virtual]

Sets the **Socket** (p. 3607) to require that a client authenticate itself by sending a valid Certificate that is trusted by this Server mode socket.

This option only applies to sockets in the Server mode.

If the option is enabled an the client does not provide a certificate then the handshake is considered failed and the connection is refused. Calling this method resets any previous value for this option as well as clears any value set in the setWantClientAuth method.

Parameters

value	The value indicating if a client is required to authenticate itself or not.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2952).

6.761.3.12 virtual void decaf::net::ssl::SSLSocket::setSSLParameters (const SSLParameters & *value*) [virtual]

Sets the **SSLParameters** (p. 3658) for this **SSLSocket** (p. 3670) using the supplied **SSLParameters** (p. 3658) instance.

If the cipherSutes vector in the **SSLParameters** (p. 3658) instance is not empty them the setEnabledCipherSuites method is called with that vector, if the protocols vector in the **SSLParameters** (p. 3658) instance is not empty then the setEnabledProtocols method is called with that vector. If the needClientAuth value or the wantClientAuth value is true then the setNeedClientAuth and setWantClientAuth methods are called respectively with a value of true, otherwise the setWantClientAuth method is called with a value of false.

Parameters

value	The **SSLParameters** (p. 3658) instance that is used to update this SSLSocket's settings.

Exceptions

IllegalArgumentException	if an error occurs while calling setEnabledCipherSuites or setEnabledProtocols.

6.761.3.13 virtual void decaf::net::ssl::SSLSocket::setUseClientMode (bool *value*) [pure virtual]

Determines the mode that the socket uses when a handshake is initiated, client or server.

This method must be called prior to any handshake attempts on this **Socket** (p. 3607), once a handshake has be initiated this socket remains the the set mode; client or server, for the life of this object.

Parameters

value	The mode setting, true for client or false for server.

Exceptions

IllegalArguementException	if the handshake process has begun and mode is lcoked.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2953).

6.761.3.14 virtual void decaf::net::ssl::SSLSocket::setWantClientAuth (bool *value*) [pure virtual]

Sets the **Socket** (p. 3607) to request that a client authenticate itself by sending a valid Certificate that is trusted by this Server mode socket.

This option only applies to sockets in the Server mode.

If the option is enabled an the client does not provide a certificate then the handshake is considered to have succeeded, if it does send a certificate and that certificate is invalid the the handshake will fail. Calling this method resets any previous value for this option as well as clears any value set in the setNeedClientAuth method.

Parameters

value	The value indicating if a client is requested to authenticate itself or not.

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2953).

6.761.3.15 virtual void decaf::net::ssl::SSLSocket::startHandshake ( ) [pure virtual]

Initiates a handshake for this SSL Connection, this can be necessary for several reasons such as using new encryption keys, or starting a new session.

When called for the first time after the socket connects this method blocks until the handshake is completed. The provider is not require to support multiple handshakes and can throw an IOException to indicate an error.

Exceptions

IOException	if an I/O error occurs while performing the Handshake

Implemented in **decaf::internal::net::ssl::openssl::OpenSSLSocket** (p. 2954).

The documentation for this class was generated from the following file:

- src/main/decaf/net/ssl/**SSLSocket.h**

6.762 decaf::net::ssl::SSLSocketFactory Class Reference

Factory class interface for a **SocketFactory** (p. 3629) that can create **SSLSocket** (p. 3670) objects.

`#include <src/main/decaf/net/ssl/SSLSocketFactory.h>`

Inheritance diagram for decaf::net::ssl::SSLSocketFactory:

Public Member Functions

- virtual ~**SSLSocketFactory** ()
- virtual std::vector< std::string > **getDefaultCipherSuites** ()=0

  Returns the list of cipher suites which are enabled by default.

- virtual std::vector< std::string > **getSupportedCipherSuites** ()=0

  Returns the names of the cipher suites which could be enabled for use on an SSL connection.

- virtual **Socket** ∗ **createSocket** (**Socket** ∗socket, std::string host, int port, bool autoClose)=0

  Returns a socket layered over an existing socket connected to the named host, at the given port.

Static Public Member Functions

- static **SocketFactory** ∗ **getDefault** ()

  *Returns the current default SSL **SocketFactory** (p. 3629), the factory is returned as a pointer however the caller does not own this pointer and should not delete it.*

Protected Member Functions

- **SSLSocketFactory** ()

6.762.1 Detailed Description

Factory class interface for a **SocketFactory** (p. 3629) that can create **SSLSocket** (p. 3670) objects.

Since

1.0

6.762.2 Constructor & Destructor Documentation

6.762.2.1 decaf::net::ssl::SSLSocketFactory::SSLSocketFactory ( ) [protected]

6.762.2.2 virtual decaf::net::ssl::SSLSocketFactory::∼SSLSocketFactory ( ) [virtual]

6.762.3 Member Function Documentation

6.762.3.1 virtual Socket∗ decaf::net::ssl::SSLSocketFactory::createSocket (Socket ∗ *socket,* std::string *host,* int *port,* bool *autoClose*) [pure virtual]

Returns a socket layered over an existing socket connected to the named host, at the given port.

This constructor can be used when tunneling SSL through a proxy or when negotiating the use of SSL over an existing socket. The host and port refer to the logical peer destination. This socket is configured using the socket options established for this factory.

Parameters

socket	The existing socket to layer over.
host	The server host the original **Socket** (p. 3607) is connected to.
port	The server port the original **Socket** (p. 3607) is connected to.
autoClose	Should the layered over **Socket** (p. 3607) be closed when the topmost socket is closed.

Returns

a new **Socket** (p. 3607) instance that wraps the given **Socket** (p. 3607).

Exceptions

IOException	if an I/O exception occurs while performing this operation.
UnknownHostException *(p. 4019)*	if the host is unknown.

Implemented in **decaf::internal::net::ssl::DefaultSSLSocketFactory** (p. 1753), and **decaf::internal::net::ssl::openssl::OpenSSLSocketFactory** (p. 2962).

6.762.3.2 static SocketFactory∗ decaf::net::ssl::SSLSocketFactory::getDefault ( )

`[static]`

Returns the current default SSL **SocketFactory** (p. 3629), the factory is returned as a pointer however the caller does not own this pointer and should not delete it.

This method returns **SSLContext::getDefault()** (p. 3654)->getSocketFactory(). If that call fails, a non-functional factory is returned.

Returns

the default SSL **SocketFactory** (p. 3629) pointer.

See also

decaf::net::ssl::SSLContext::getDefault() (p. 3654)

Reimplemented from **decaf::net::SocketFactory** (p. 3633).

6.762.3.3 virtual std::vector<std::string> decaf::net::ssl::SSLSocketFactory::getDefaultCipherSuites ( )

`[pure virtual]`

Returns the list of cipher suites which are enabled by default.

Unless a different list is enabled, handshaking on an SSL connection will use one of these cipher suites. The minimum quality of service for these defaults requires confidentiality protection and server authentication (that is, no anonymous cipher suites).

Returns

an STL vector containing the list of cipher suites enabled by default.

See also

getSupportedCipherSuites() (p. 3682)

Implemented in **decaf::internal::net::ssl::DefaultSSLSocketFactory** (p. 1756), and **decaf::internal::net::ssl::openssl::OpenSSLSocketFactory** (p. 2965).

6.762.3.4 virtual std::vector<std::string> decaf::net::ssl::SSLSocketFactory::getSupportedCipherSuites ( ) [pure virtual]

Returns the names of the cipher suites which could be enabled for use on an SSL connection.

Normally, only a subset of these will actually be enabled by default, since this list may include cipher suites which do not meet quality of service requirements for those defaults. Such cipher suites are useful in specialized applications.

Returns

an STL vector containing the list of supported cipher suites.

See also

getDefaultCipherSuites() (p. 3681)

Implemented in **decaf::internal::net::ssl::DefaultSSLSocketFactory** (p. 1757), and **decaf::internal::net::ssl::openssl::OpenSSLSocketFactory** (p. 2966).

The documentation for this class was generated from the following file:

- src/main/decaf/net/ssl/**SSLSocketFactory.h**

6.763 activemq::transport::tcp::SslTransport Class Reference

Transport (p. 3996) for connecting to a Broker using an SSL Socket.

```
#include <src/main/activemq/transport/tcp/SslTransport.h>
```

Inheritance diagram for activemq::transport::tcp::SslTransport:

Public Member Functions

- **SslTransport** (const **Pointer**< **Transport** > &**next**)

*Creates a new instance of the **SslTransport** (p. 3682), the transport will not attempt to connect to a remote host until the connect method is called.*

- virtual ~**SslTransport** ()

Protected Member Functions

- virtual **decaf::net::Socket** ∗ **createSocket** ()

  Create an unconnected Socket instance to be used by the transport to communicate with the broker.
  Returns

  a newly created unconnected Socket instance.
  Exceptions

IOException	*if there is an error while creating the unconnected Socket.*

- virtual void **configureSocket** (**decaf::net::Socket** ∗socket, **decaf::util::Properties** &properties)

6.763.1 Detailed Description

Transport (p. 3996) for connecting to a Broker using an SSL Socket. This transport simply wraps the **TcpTransport** (p. 3865) and provides the **TcpTransport** (p. 3865) an SSL based Socket pointer allowing the core **TcpTransport** (p. 3865) logic to be reused.

Since

3.2.0

6.763.2 Constructor & Destructor Documentation

6.763.2.1 activemq::transport::tcp::SslTransport::SslTransport (const Pointer< Transport > & *next*)

Creates a new instance of the **SslTransport** (p. 3682), the transport will not attempt to connect to a remote host until the connect method is called.

Parameters

next	the next transport in the chain

6.763.2.2 virtual activemq::transport::tcp::SslTransport::~SslTransport ( ) [virtual]

6.763.3 Member Function Documentation

6.763.3.1 virtual void activemq::transport::tcp::SslTransport::configureSocket (decaf::net::Socket * *socket,* decaf::util::Properties & *properties*) [protected, virtual]

6.763.3.2 virtual decaf::net::Socket* activemq::transport::tcp::SslTransport::createSocket ( ) [protected, virtual]

Create an unconnected Socket instance to be used by the transport to communicate with the broker.

Returns

a newly created unconnected Socket instance.

Exceptions

IOException	if there is an error while creating the unconnected Socket.

Reimplemented from **activemq::transport::tcp::TcpTransport** (p. 3868).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/tcp/**SslTransport.h**

6.764 activemq::transport::tcp::SslTransportFactory Class Reference

`#include <src/main/activemq/transport/tcp/SslTransportFactory.h>`

Inheritance diagram for activemq::transport::tcp::SslTransportFactory:

Public Member Functions

- virtual ~**SslTransportFactory** ()

Protected Member Functions

- virtual **Pointer**< **Transport** > **doCreateComposite** (const **decaf::net::URI** &location, const **Pointer**< **wireformat::WireFormat** > &wireFormat, const **decaf::util::Properties** &properties) throw (exceptions::ActiveMQException)

  *Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.*

6.764.1 Constructor & Destructor Documentation

6.764.1.1 virtual activemq::transport::tcp::SslTransportFactory::~SslTransportFactory ( ) [virtual]

6.764.2 Member Function Documentation

6.764.2.1 virtual Pointer<Transport> activemq::transport::tcp::SslTransportFactory::doCreateComposite (const decaf::net::URI & *location*, const Pointer< wireformat::WireFormat > & *wireFormat*, const decaf::util::Properties & *properties*) throw (exceptions::ActiveMQException) [protected, virtual]

Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.

Parameters

location	- URI location to connect to.
wireFormat	- the assigned WireFormat for the new **Transport** (p. 3996).
properties	- Properties to apply to the transport.

Returns

new Pointer to a **SslTransport** (p. 3682).

Exceptions

ActiveMQException	if an error occurs

Reimplemented from **activemq::transport::tcp::TcpTransportFactory** (p. 3871).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/tcp/**SslTransportFactory.h**

6.765 activemq::commands::BrokerError::StackTraceElement Struct Reference

```
#include <src/main/activemq/commands/BrokerError.h>
```

Data Fields

- std::string **ClassName**
- std::string **FileName**
- std::string **MethodName**
- int **LineNumber**

6.765.1 Field Documentation

6.765.1.1 std::string activemq::commands::BrokerError::StackTraceElement::ClassName

6.765.1.2 std::string activemq::commands::BrokerError::StackTraceElement::FileName

6.765.1.3 int activemq::commands::BrokerError::StackTraceElement::LineNumber

6.765.1.4 std::string activemq::commands::BrokerError::StackTraceElement::MethodName

The documentation for this struct was generated from the following file:

- src/main/activemq/commands/**BrokerError.h**

6.766 decaf::internal::io::StandardErrorOutputStream Class Reference

Wrapper Around the Standard error Output facility on the current platform.

`#include <src/main/decaf/internal/io/StandardErrorOutputStream.h>`

Inheritance diagram for decaf::internal::io::StandardErrorOutputStream:

Public Member Functions

- **StandardErrorOutputStream** ()
- virtual ~**StandardErrorOutputStream** ()
- virtual void **flush** () throw (decaf::io::IOException)

  Flushes this stream by writing any buffered output to the underlying stream.

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

  The default implementation of this method does nothing.

- virtual void **close** () throw (decaf::io::IOException)

  Closes this object and deallocates the appropriate resources.
  The object is generally no longer usable after calling close.

  Exceptions

IOException (p. 2210)	*if an error occurs while closing.*

  The default implementation of this method does nothing.

Protected Member Functions

- virtual void **doWriteByte** (unsigned char value) throw (decaf::io::IOException)
- virtual void **doWriteArrayBounded** (const unsigned char *buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

6.766.1 Detailed Description

Wrapper Around the Standard error Output facility on the current platform. This allows for the use of alternate output methods on platforms or compilers that do not support `std::cerr`.

6.766.2 Constructor & Destructor Documentation

6.766.2.1 decaf::internal::io::StandardErrorOutputStream::StandardErrorOutputStream ( )

6.766.2.2 virtual decaf::internal::io::StandardErrorOutputStream::~StandardErrorOutputStream ( ) [virtual]

6.766.3 Member Function Documentation

6.766.3.1 virtual void decaf::internal::io::StandardErrorOutputStream::close ( ) throw (**decaf::io::IOException**) [virtual]

Closes this object and deallocates the appropriate resources.

The object is generally no longer usable after calling close.

Exceptions

IOException *(p. 2210)*	if an error occurs while closing.

The default implementation of this method does nothing.

The default implementation of this method does nothing.

Reimplemented from **decaf::io::OutputStream** (p. 2993).

6.766.3.2 virtual void decaf::internal::io::StandardErrorOutputStream::doWriteArrayBounded (const unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) [protected, virtual]

Reimplemented from **decaf::io::OutputStream** (p. 2994).

6.766.3.3 virtual void decaf::internal::io::StandardErrorOutputStream::doWriteByte (unsigned char *value*) throw (**decaf::io::IOException**) [protected, virtual]

Implements **decaf::io::OutputStream** (p. 2994).

6.766.3.4 virtual void decaf::internal::io::StandardErrorOutputStream::flush ( ) throw (**decaf::io::IOException**) [virtual]

Flushes this stream by writing any buffered output to the underlying stream.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

The default implementation of this method does nothing.

The default implementation of this method does nothing.

Reimplemented from **decaf::io::OutputStream** (p. 2994).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/io/**StandardErrorOutputStream.h**

6.767 decaf::internal::io::StandardInputStream Class Reference

`#include <src/main/decaf/internal/io/StandardInputStream.h>`

Inheritance diagram for decaf::internal::io::StandardInputStream:

Public Member Functions

- **StandardInputStream** ()
- virtual ~**StandardInputStream** ()
- virtual int **available** () const throw (decaf::io::IOException)

  Indicates the number of bytes available.

Protected Member Functions

- virtual int **doReadByte** () throw (decaf::io::IOException)

6.767.1 Constructor & Destructor Documentation

6.767.1.1 decaf::internal::io::StandardInputStream::StandardInputStream ( )

6.767.1.2 virtual decaf::internal::io::StandardInputStream::~StandardInputStream ( ) [virtual]

6.767.2 Member Function Documentation

6.767.2.1 virtual int decaf::internal::io::StandardInputStream::available ( ) const throw (**decaf::io::IOException**) [virtual]

Indicates the number of bytes available.

The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.

The default implementation of this method returns zero.

Returns

the number of bytes available on this input stream.

Exceptions

IOException	if an I/O error occurs.

Reimplemented from **decaf::io::InputStream** (p. 2107).

6.767.2.2 virtual int decaf::internal::io::StandardInputStream::doReadByte ( ) throw (**decaf::io::IOException**) [protected, virtual]

Implements **decaf::io::InputStream** (p. 2109).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/io/**StandardInputStream.h**

6.768 decaf::internal::io::StandardOutputStream Class Reference

```
#include <src/main/decaf/internal/io/StandardOutputStream.h>
```

Inheritance diagram for decaf::internal::io::StandardOutputStream:

Public Member Functions

- **StandardOutputStream** ()
- virtual ∼**StandardOutputStream** ()
- virtual void **flush** () throw (decaf::io::IOException)

  Flushes this stream by writing any buffered output to the underlying stream.

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

  The default implementation of this method does nothing.

- virtual void **close** () throw (decaf::io::IOException)

  Closes this object and deallocates the appropriate resources.
  The object is generally no longer usable after calling close.

  Exceptions

IOException (p. 2210)	*if an error occurs while closing.*

  The default implementation of this method does nothing.

Protected Member Functions

- virtual void **doWriteByte** (unsigned char value) throw (decaf::io::IOException)
- virtual void **doWriteArrayBounded** (const unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

6.768.1 Constructor & Destructor Documentation

6.768.1.1 decaf::internal::io::StandardOutputStream::StandardOutputStream ( )

6.768.1.2 virtual decaf::internal::io::StandardOutputStream::∼StandardOutputStream ( ) [virtual]

6.768.2 Member Function Documentation

6.768.2.1 virtual void decaf::internal::io::StandardOutputStream::close ( ) throw (**decaf::io::IOException**) [virtual]

Closes this object and deallocates the appropriate resources.

The object is generally no longer usable after calling close.

Exceptions

IOException *(p. 2210)*	if an error occurs while closing.

The default implementation of this method does nothing.

The default implementation of this method does nothing.

Reimplemented from **decaf::io::OutputStream** (p. 2993).

6.768.2.2 virtual void decaf::internal::io::StandardOutputStream::doWriteArrayBounded (const unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [protected, virtual]

Reimplemented from **decaf::io::OutputStream** (p. 2994).

6.768.2.3 virtual void decaf::internal::io::StandardOutputStream::doWriteByte (unsigned char *value*) throw (decaf::io::IOException) [protected, virtual]

Implements **decaf::io::OutputStream** (p. 2994).

6.768.2.4 virtual void decaf::internal::io::StandardOutputStream::flush ( ) throw (decaf::io::IOException) [virtual]

Flushes this stream by writing any buffered output to the underlying stream.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

The default implementation of this method does nothing.

The default implementation of this method does nothing.

Reimplemented from **decaf::io::OutputStream** (p. 2994).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/io/**StandardOutputStream.h**

6.769 cms::Startable Class Reference

Interface for a class that implements the start method.

`#include <src/main/cms/Startable.h>`

Inheritance diagram for cms::Startable:

Public Member Functions

- virtual ~**Startable** ()
- virtual void **start** ()=0 throw (CMSException)

  Starts the service.

6.769.1 Detailed Description

Interface for a class that implements the start method. An object that implements the **Startable** (p. 3691) interface implies that until its start method is called it will be considered to be in a closed or stopped state and will throw an Exception to indicate that it is not in an started state if one of its methods is called.

Since

1.0

6.769.2 Constructor & Destructor Documentation

6.769.2.1 virtual cms::Startable::~Startable ( ) [inline, virtual]

6.769.3 Member Function Documentation

6.769.3.1 virtual void cms::Startable::start ( ) throw (CMSException) [pure virtual]

Starts the service.

Exceptions

CMSException *(p. 1190)*	if an internal error occurs while starting.

Implemented in **activemq::core::ActiveMQConnection** (p. 280).

The documentation for this class was generated from the following file:

- src/main/cms/**Startable.h**

6.770 decaf::lang::STATIC_CAST_TOKEN Struct Reference

```
#include <src/main/decaf/lang/Pointer.h>
```

The documentation for this struct was generated from the following file:

- src/main/decaf/lang/**Pointer.h**

6.771 activemq::core::ActiveMQConstants::StaticInitializer Class Reference

```
#include <src/main/activemq/core/ActiveMQConstants.h>
```

Public Member Functions

- **StaticInitializer** ()
- virtual ~**StaticInitializer** ()

Static Public Attributes

- static std::string **destOptions** [NUM_OPTIONS]
- static std::string **uriParams** [NUM_PARAMS]
- static std::map< std::string, **DestinationOption** > **destOptionMap**
- static std::map< std::string, **URIParam** > **uriParamsMap**

6.771.1 Constructor & Destructor Documentation

6.771.1.1 activemq::core::ActiveMQConstants::StaticInitializer::StaticInitializer ( )

6.771.1.2 virtual activemq::core::ActiveMQConstants::StaticInitializer::~StaticInitializer ( ) [inline, virtual]

6.771.2 Field Documentation

6.771.2.1 std::map<std::string, DestinationOption> activemq::core::ActiveMQConstants::StaticInitializer::destOptionMap [static]

6.771.2.2 std::string activemq::core::ActiveMQConstants::StaticInitializer::destOptions[NUM_OPTIONS] [static]

6.771.2.3 std::string activemq::core::ActiveMQConstants::StaticInitializer::uriParams[NUM_PARAMS] [static]

6.771.2.4 std::map<std::string, URIParam> activemq::core::ActiveMQConstants::StaticInitializer::uriParamsMap [static]

The documentation for this class was generated from the following file:

- src/main/activemq/core/**ActiveMQConstants.h**

6.772 decaf::util::StlList< E > Class Template Reference

List (p. 2409) class that wraps the STL list object to provide a simpler interface and additional methods not provided by the STL type.

`#include <src/main/decaf/util/StlList.h>`

Inheritance diagram for decaf::util::StlList< E >:

Data Structures

- class **ConstStlListIterator**
- class **StlListIterator**

Public Member Functions

- **StlList** ()

  Default constructor - does nothing.

- **StlList** (const **StlList** &source)

  Copy constructor - copies the content of the given set into this one.

- **StlList** (const **Collection**< E > &source)

  Copy constructor - copies the content of the given set into this one.

- virtual ~**StlList** ()
- virtual bool **equals** (const **StlList** &source) const

- virtual **Iterator**< E > * **iterator** ()

  Returns

  an iterator over a set of elements of type T.

- virtual **Iterator**< E > * **iterator** () const
- virtual **ListIterator**< E > * **listIterator** ()

  Returns

  a list iterator over the elements in this list (in proper sequence).

- virtual **ListIterator**< E > * **listIterator** () const
- virtual **ListIterator**< E > * **listIterator** (std::size_t index) throw (decaf::lang::exceptions::IndexOutOfBo
)

  Parameters

index	*index of first element to be returned from the list iterator (by a call to the next method).*

Returns

a list iterator of the elements in this list (in proper sequence), starting at the specified position in this list. The specified index indicates the first element that would be returned by an initial call to next. An initial call to previous would return the element with the specified index minus one.

Exceptions

IndexOutOfBoundsException	*if the index is out of range (index < 0 || index > **size()** (p. 1226))*

- virtual **ListIterator**< E > ∗ **listIterator** (std::size_t index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)
- virtual void **copy** (const **StlList** &source)

- virtual void **clear** () throw (lang::exceptions::UnsupportedOperationException)

Removes all of the elements from this collection (optional operation).
The collection will be empty after this method returns.
*This implementation iterates over this collection, removing each element using the **Iterator.remove** (p. 2223) operation. Most implementations will probably choose to override this method for efficiency.*
Note that this implementation will throw an UnsupportedOperationException if the iterator returned by this collection's iterator method does not implement the remove method and this collection is non-empty.

Exceptions

UnsupportedOperationException	*if the clear operation is not supported by this collection*

- virtual bool **contains** (const E &value) const throw (lang::Exception)

Returns true if this collection contains the specified element.
This implementation iterates over the elements in the collection, checking each element in turn for equality with the specified element.

Parameters

value	*- the value whose presence is to be queried for in this **Collection** (p. 1216).*

Returns

true if the value is contained in this collection

Exceptions

Exception	*if an error occurs,*

- virtual std::size_t **indexOf** (const E &value) throw (decaf::lang::exceptions::NoSuchElementException)

Returns the index of the first occurrence of the specified element in this list, or -1 if this list does not contain the element.
More formally, returns the lowest index i such that get(i) == value, or -1 if there is no such index.

Parameters

value	*- element to search for*

Returns

the index of the first occurrence of the specified element in this list,

Exceptions

NoSuchElementException	*if value is not in the list*

- virtual std::size_t **lastIndexOf** (const E &value) throw (decaf::lang::exceptions::NoSuchElementExceptio)

  Returns the index of the last occurrence of the specified element in this list, or -1 if this list does not contain the element.
  More formally, returns the highest index i such that get(i) == value or -1 if there is no such index.

  Parameters

value	*- element to search for*

  Returns

  the index of the last occurrence of the specified element in this list.

  Exceptions

NoSuchElementException	*if value is not in the list*

- virtual bool **isEmpty** () const

  Returns true if this collection contains no elements.
  *This implementation returns **size()** (p. 1226) == 0.*

  Returns

  true if the size method return 0.

- virtual std::size_t **size** () const

  Returns the number of elements in this collection.
  If this collection contains more than Integer.MAX_VALUE elements, returns Integer.MAX_VALUE.

  Returns

  the number of elements in this collection

- virtual E **get** (std::size_t index) const throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Gets the element contained at position passed.

  Parameters

index	*- position to get*

  Returns

  value at index

- virtual E **set** (std::size_t index, const E &element) throw (decaf::lang::exceptions::IndexOutOfBoundsException)

  Replaces the element at the specified position in this list with the specified element.

  Parameters

index	*- index of the element to replace*
element	*- element to be stored at the specified position*

  Returns

  the element previously at the specified position

  Exceptions

IndexOutOfBoundsException	*- if the index is greater than size*

- virtual bool **add** (const E &value) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException)

  Returns true if this collection changed as a result of the call.
  (Returns false if this collection does not permit duplicates and already contains the specified element.)
  Collections that support this operation may place limitations on what elements may be added to this collection. In particular, some collections will refuse to add null elements, and others will impose restrictions on the type of elements that may be added. ***Collection*** *(p. 1216) classes should clearly specify in their documentation any restrictions on what elements may be added.*
  If a collection refuses to add a particular element for any reason other than that it already contains the element, it must throw an exception (rather than returning false). This preserves the invariant that a collection always contains the specified element after this call returns.
  For non-pointer values, i.e. class instances or string's the object will be copied into the collection, thus the object must support being copied, must not hide the copy constructor and assignment operator.

  Parameters

value	*- reference to the element to add.*

  Returns

  true if the element was added

  Exceptions

UnsupportedOperationException	
IllegalArgumentException	
IllegalStateException	*if the element cannot be added at this time due to insertion restrictions*

- virtual void **add** (std::size_t index, const E &element) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IndexOutOfBoundsException)

  Inserts the specified element at the specified position in this list.

Shifts the element currently at that position (if any) and any subsequent elements to the right (adds one to their indices).

Parameters

index	*- index at which the specified element is to be inserted*
element	*- element to be inserted*

Exceptions

IndexOutOfBoundsException	*- if the index is greater than size*
UnsupportedOperationException	*- If the collection is non-modifiable.*

- virtual bool **addAll** (std::size_t index, const **Collection**< E > &source) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IndexOutOfBoundsEx)

  Inserts all of the elements in the specified collection into this list at the specified position (optional operation).
  Shifts the element currently at that position (if any) and any subsequent elements to the right (increases their indices). The new elements will appear in this list in the order that they are returned by the specified collection's iterator. The behavior of this operation is undefined if the specified collection is modified while the operation is in progress. (Note that this will occur if the specified collection is this list, and it's nonempty.)

  Parameters

index	*The index at which to insert the first element from the specified collection*
source	*The **Collection** (p. 1216) containing elements to be added to this list*

  Returns

  true if this list changed as a result of the call

  Exceptions

IndexOutOfBoundsException	*- if the index is greater than size*
UnsupportedOperationException	*- If the collection is non-modifiable.*

- virtual bool **remove** (const E &value) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException)

  Removes a single instance of the specified element from this collection, if it is present (optional operation).
  More formally, removes the first element e such that e == o, if this collection contains one or more such elements. Returns true if this collection contained the specified element (or equivalently, if this collection changed as a result of the call).
  This implementation iterates over the collection looking for the specified element. If it finds the element, it removes the element from the collection using the iterator's remove method.
  Note that this implementation throws an UnsupportedOperationException if the iterator returned by this collection's iterator method does not implement the remove method and this collection contains the specified object.

Parameters

value	*- element to be removed from this collection, if present*

Returns

true if an element was removed as a result of this call

Exceptions

UnsupportedOperationException	*if the remove operation is not supported by this collection.*
IllegalArgumentException	*If the value is not a valid entry for this* ***Collection*** *(p. 1216).*

- virtual E **remove** (std::size_t index) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Removes the element at the specified position in this list.
  Shifts any subsequent elements to the left (subtracts one from their indices). Returns the element that was removed from the list.

  Parameters

index	*- the index of the element to be removed*

  Returns

  the element previously at the specified position

  Exceptions

IndexOutOfBoundsException	*- if the index is greater than size*
UnsupportedOperationException	*- If the collection is non-modifiable.*

6.772.1 Detailed Description

template<typename E> class decaf::util::StlList< E >

List (p. 2409) class that wraps the STL list object to provide a simpler interface and additional methods not provided by the STL type.

6.772.2 Constructor & Destructor Documentation

6.772.2.1 template<typename E> decaf::util::StlList< E >::StlList ( ) [inline]

Default constructor - does nothing.

6.772.2.2 template<typename E> decaf::util::StlList< E >::StlList (const StlList< E > & *source*) [inline]

Copy constructor - copies the content of the given set into this one.

Parameters

source	The source set.

6.772.2.3 template<typename E> decaf::util::StlList< E >::StlList (const Collection< E > & *source*) [inline]

Copy constructor - copies the content of the given set into this one.

Parameters

source	The source set.

6.772.2.4 template<typename E> virtual decaf::util::StlList< E >::~StlList ( ) [inline, virtual]

6.772.3 Member Function Documentation

6.772.3.1 template<typename E> virtual bool decaf::util::StlList< E >::add (const E & *value*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException) [inline, virtual]

Returns true if this collection changed as a result of the call.

(Returns false if this collection does not permit duplicates and already contains the specified element.)

Collections that support this operation may place limitations on what elements may be added to this collection. In particular, some collections will refuse to add null elements, and others will impose restrictions on the type of elements that may be added. **Collection** (p. 1216) classes should clearly specify in their documentation any restrictions on what elements may be added.

If a collection refuses to add a particular element for any reason other than that it already contains the element, it must throw an exception (rather than returning false). This preserves the invariant that a collection always contains the specified element after this call returns.

For non-pointer values, i.e. class instances or string's the object will be copied into the collection, thus the object must support being copied, must not hide the copy constructor and assignment operator.

Parameters

value	- reference to the element to add.

Returns

true if the element was added

Exceptions

UnsupportedOperationException	
IllegalArgumentException	
IllegalStateException	if the element cannot be added at this time due to insertion restrictions

Implements **decaf::util::Collection< E >** (p. 1218).

Referenced by decaf::util::StlList< cms::Connection * >::addAll().

6.772.3.2 template<typename E> virtual void decaf::util::StlList< E >::add (std::size_t *index*, const E & *element*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IndexOutOfBoundsException) [inline, virtual]

Inserts the specified element at the specified position in this list.

Shifts the element currently at that position (if any) and any subsequent elements to the right (adds one to their indices).

Parameters

index	- index at which the specified element is to be inserted
element	- element to be inserted

Exceptions

IndexOutOfBoundsException	- if the index is greater than size
UnsupportedOperationException	- If the collection is non-modifiable.

Implements **decaf::util::List< E >** (p. 2410).

6.772.3.3 template<typename E> virtual bool decaf::util::StlList< E >::addAll (std::size_t *index*, const Collection< E > & *source*) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IndexOutOfBoundsException) [inline, virtual]

Inserts all of the elements in the specified collection into this list at the specified position (optional operation).

Shifts the element currently at that position (if any) and any subsequent elements to the right (increases their indices). The new elements will appear in this list in the order that they are returned by the specified collection's iterator. The behavior of this operation

is undefined if the specified collection is modified while the operation is in progress. (Note that this will occur if the specified collection is this list, and it's nonempty.)

Parameters

index	The index at which to insert the first element from the specified collection
source	The **Collection** (p. 1216) containing elements to be added to this list

Returns

true if this list changed as a result of the call

Exceptions

IndexOutOfBoundsException	- if the index is greater than size
UnsupportedOperationException	- If the collection is non-modifiable.

Implements **decaf::util::List**< **E** > (p. 2411).

6.772.3.4 template<typename E> virtual void decaf::util::StlList< E >::clear ( ) throw (lang::exceptions::UnsupportedOperationException) [inline, virtual]

Removes all of the elements from this collection (optional operation).

The collection will be empty after this method returns.

This implementation iterates over this collection, removing each element using the **Iterator.remove** (p. 2223) operation. Most implementations will probably choose to override this method for efficiency.

Note that this implementation will throw an UnsupportedOperationException if the iterator returned by this collection's iterator method does not implement the remove method and this collection is non-empty.

Exceptions

UnsupportedOperationException	if the clear operation is not supported by this collection

Reimplemented from **decaf::util::AbstractCollection**< **E** > (p. 163).

6.772.3.5 template<typename E> virtual bool decaf::util::StlList< E >::contains (const E & *value*) const throw (lang::Exception) [inline, virtual]

Returns true if this collection contains the specified element.

This implementation iterates over the elements in the collection, checking each element in turn for equality with the specified element.

Parameters

value	- the value whose presence is to be queried for in this **Collection** (p. 1216).

Returns

true if the value is contained in this collection

Exceptions

Exception	if an error occurs,

Reimplemented from **decaf::util::AbstractCollection< E >** (p. 164).

6.772.3.6 template<typename E> virtual void decaf::util::StlList< E >::copy (const StlList< E > & *source*) [inline, virtual]

Referenced by decaf::util::StlList< cms::Connection * >::StlList().

6.772.3.7 template<typename E> virtual bool decaf::util::StlList< E >::equals (const StlList< E > & *source*) const [inline, virtual]

6.772.3.8 template<typename E> virtual E decaf::util::StlList< E >::get (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [inline, virtual]

Gets the element contained at position passed.

Parameters

index	- position to get

Returns

value at index

Implements **decaf::util::List< E >** (p. 2412).

6.772.3.9 template<typename E> virtual std::size_t decaf::util::StlList< E >::indexOf (const E & *value*) throw (decaf::lang::exceptions::NoSuchElementException) [inline, virtual]

Returns the index of the first occurrence of the specified element in this list, or -1 if this list does not contain the element.

More formally, returns the lowest index i such that get(i) == value, or -1 if there is no such index.

Parameters

value	- element to search for

Returns

the index of the first occurrence of the specified element in this list,

Exceptions

NoSuchElementException	if value is not in the list

Implements **decaf::util::List< E >** (p. 2412).

6.772.3.10 template<typename E> virtual bool decaf::util::StlList< E >::isEmpty ( ) const [inline, virtual]

Returns true if this collection contains no elements.

This implementation returns **size()** (p. 1226) == 0.

Returns

true if the size method return 0.

Reimplemented from **decaf::util::AbstractCollection< E >** (p. 166).

6.772.3.11 template<typename E> virtual Iterator<E>* decaf::util::StlList< E >::iterator ( ) [inline, virtual]

Returns

an iterator over a set of elements of type T.

Implements **decaf::lang::Iterable< E >** (p. 2221).

6.772.3.12 template<typename E> virtual Iterator<E>* decaf::util::StlList< E >::iterator ( ) const [inline, virtual]

Implements **decaf::lang::Iterable< E >** (p. 2222).

6.772.3.13 template<typename E> virtual std::size_t decaf::util::StlList< E >::lastIndexOf (const E & *value*) throw (decaf::lang::exceptions::NoSuchElementException) [inline, virtual]

Returns the index of the last occurrence of the specified element in this list, or -1 if this list does not contain the element.

More formally, returns the highest index i such that get(i) == value or -1 if there is no such index.

Parameters

value	- element to search for

Returns

the index of the last occurrence of the specified element in this list.

Exceptions

NoSuchElementException	if value is not in the list

Implements **decaf::util::List< E >** (p. 2413).

6.772.3.14 template<typename E> virtual ListIterator<E>* decaf::util::StlList< E >::listIterator (std::size_t *index*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [inline, virtual]

Parameters

index	index of first element to be returned from the list iterator (by a call to the next method).

Returns

a list iterator of the elements in this list (in proper sequence), starting at the specified position in this list. The specified index indicates the first element that would be returned by an initial call to next. An initial call to previous would return the element with the specified index minus one.

Exceptions

IndexOutOfBoundsException	if the index is out of range (index < 0 || index > **size()** (p. 1226))

Implements **decaf::util::List< E >** (p. 2415).

6.772.3.15 template<typename E> virtual ListIterator<E>* decaf::util::StlList< E >::listIterator ( ) [inline, virtual]

Returns

a list iterator over the elements in this list (in proper sequence).

Implements **decaf::util::List< E >** (p. 2414).

6.772.3.16 template<typename E> virtual ListIterator<E>* decaf::util::StlList< E >::listIterator ( ) const [inline, virtual]

Implements **decaf::util::List< E >** (p. 2414).

6.772.3.17 template<typename E> virtual ListIterator<E>* decaf::util::StlList< E >::listIterator (std::size_t *index*) const throw (decaf::lang::exceptions::IndexOutOfBoundsException) [inline, virtual]

Implements **decaf::util::List< E >** (p. 2414).

6.772.3.18 template<typename E> virtual E decaf::util::StlList< E >::remove (std::size_t *index*) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IndexOutOfBoundsException) [inline, virtual]

Removes the element at the specified position in this list.

Shifts any subsequent elements to the left (subtracts one from their indices). Returns the element that was removed from the list.

Parameters

index	- the index of the element to be removed

Returns

the element previously at the specified position

Exceptions

IndexOutOfBoundsException	- if the index is greater than size
UnsupportedOperationException	- If the collection is non-modifiable.

Implements **decaf::util::List< E >** (p. 2415).

6.772.3.19 template<typename E> virtual bool decaf::util::StlList< E >::remove (const E & *value*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException) [inline, virtual]

Removes a single instance of the specified element from this collection, if it is present (optional operation).

More formally, removes the first element e such that e == o, if this collection contains one or more such elements. Returns true if this collection contained the specified

element (or equivalently, if this collection changed as a result of the call).

This implementation iterates over the collection looking for the specified element. If it finds the element, it removes the element from the collection using the iterator's remove method.

Note that this implementation throws an UnsupportedOperationException if the iterator returned by this collection's iterator method does not implement the remove method and this collection contains the specified object.

Parameters

value	- element to be removed from this collection, if present

Returns

true if an element was removed as a result of this call

Exceptions

UnsupportedOperationException	if the remove operation is not supported by this collection.
IllegalArgumentException	If the value is not a valid entry for this **Collection** (p. 1216).

Reimplemented from **decaf::util::AbstractCollection< E >** (p. 168).

6.772.3.20 template<typename E> virtual E decaf::util::StlList< E >::set (std::size_t *index*, const E & *element*) throw (decaf::lang::exceptions::IndexOutOfBoundsException) [inline, virtual]

Replaces the element at the specified position in this list with the specified element.

Parameters

index	- index of the element to replace
element	- element to be stored at the specified position

Returns

the element previously at the specified position

Exceptions

IndexOutOfBoundsException	- if the index is greater than size

Implements **decaf::util::List< E >** (p. 2416).

6.772.3.21 template<typename E> virtual std::size_t decaf::util::StlList< E >::size ( ) const [inline, virtual]

Returns the number of elements in this collection.

If this collection contains more than Integer.MAX_VALUE elements, returns Integer.MAX_-VALUE.

Returns

the number of elements in this collection

Implements **decaf::util::Collection< E >** (p. 1226).

Referenced by decaf::util::StlList< cms::Connection * >::add(), decaf::util::StlList< cms::Connection * >::addAll(), decaf::util::StlList< cms::Connection * >::get(), decaf::util::StlList< cms::Connection * >::lastIndexOf(), decaf::util::StlList< cms::Connection * >::listIterator(), decaf::util::StlList< cms::Connection * >::remove(), and decaf::util::StlList< cms::Connection * >::set().

The documentation for this class was generated from the following file:

- src/main/decaf/util/**StlList.h**

6.773 decaf::util::StlMap< K, V, COMPARATOR > Class Template Reference

Map (p. 2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map.

```
#include <src/main/decaf/util/StlMap.h>
```

Inheritance diagram for decaf::util::StlMap< K, V, COMPARATOR >:

Public Member Functions

- **StlMap** ()

  Default constructor - does nothing.

- **StlMap** (const **StlMap** &source)

  Copy constructor - copies the content of the given map into this one.

- **StlMap** (const **Map**< K, V, COMPARATOR > &source)

  Copy constructor - copies the content of the given map into this one.

- virtual ~**StlMap** ()
- virtual bool **equals** (const **StlMap** &source) const

- virtual bool **equals** (const **Map**< K, V, COMPARATOR > &source) const

  Comparison, equality is dependent on the method of determining if the element are equal.

  Parameters

source	- ***Map*** *(p. 2538) to compare to this one.*

  Returns

  true if the ***Map*** *(p. 2538) passed is equal in value to this one.*

- virtual void **copy** (const **StlMap** &source)

- virtual void **copy** (const **Map**< K, V, COMPARATOR > &source)

  Copies the content of the source map into this map.
  Erases all existing data in this map.

  Parameters

source	*The source object to copy from.*

- virtual void **clear** () throw (decaf::lang::exceptions::UnsupportedOperationException)

  Removes all keys and values from this map.

  Exceptions

UnsupportedOperationException	*if this map is unmodifiable.*

- virtual bool **containsKey** (const K &key) const

  Indicates whether or this map contains a value for the given key.

  Parameters

key	*The key to look up.*

  Returns

  true if this map contains the value, otherwise false.

- virtual bool **containsValue** (const V &value) const

  Indicates whether or this map contains a value for the given value, i.e.
  they are equal, this is done by operator== so the types must pass equivalence testing in this manner.

  Parameters

value	*The Value to look up.*

  Returns

  true if this map contains the value, otherwise false.

- virtual bool **isEmpty** () const

  Returns

  *if the **Map** (p. 2538) contains any element or not, TRUE or FALSE*

- virtual std::size_t **size** () const

  Returns

  The number of elements (key/value pairs) in this map.

- virtual V & **get** (const K &key) throw (lang::exceptions::NoSuchElementException)

  *Gets the value mapped to the specified key in the **Map** (p. 2538).*
  If there is no element in the map whose key is equivalent to the key provided then a NoSuchElementException is thrown.

  Parameters

key	*The search key.*

  Returns

  A reference to the value for the given key.

  Exceptions

NoSuchElementException	*if the key requests doesn't exist in the **Map** (p. 2538).*

- virtual const V & **get** (const K &key) const throw (lang::exceptions::NoSuchElementException)

  *Gets the value mapped to the specified key in the **Map** (p. 2538).*
  If there is no element in the map whose key is equivalent to the key provided then a NoSuchElementException is thrown.

  Parameters

key	*The search key.*

  Returns

  A {const} reference to the value for the given key.

  Exceptions

NoSuchElementException	*if the key requests doesn't exist in the **Map** (p. 2538).*

- virtual void **put** (const K &key, const V &value) throw (decaf::lang::exceptions::UnsupportedOperationEx)

  Sets the value for the specified key.

  Parameters

key	*The target key.*
value	*The value to be set.*

  Exceptions

UnsupportedOperationException	*if this map is unmodifiable.*

- virtual void **putAll** (const **StlMap**< K, V, COMPARATOR > &other) throw (decaf::lang::exceptions::UnsupportedOperationException)

- virtual void **putAll** (const **Map**< K, V, COMPARATOR > &other) throw (decaf::lang::exceptions::UnsupportedOperationException)

  *Stores a copy of the Mappings contained in the other **Map** (p. 2538) in this one.*

  Parameters

other	*A **Map** (p. 2538) instance whose elements are to all be inserted in this **Map** (p. 2538).*

  Exceptions

UnsupportedOperationException	*If the implementing class does not support the putAll operation.*

- virtual V **remove** (const K &key) throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException)

  Removes the value (key/value pair) for the specified key from the map, returns a copy of the value that was mapped to the key.

  Parameters

key	*The search key.*

  Returns

  a copy of the element that was previously mapped to the given key

  Exceptions

NoSuchElementException	*if this key is not in the **Map** (p. 2538).*
UnsupportedOperationException	*if this map is unmodifiable.*

- virtual std::vector< K > **keySet** () const

  *Returns a **Set** (p. 3538) view of the mappings contained in this map.*
  *The set is backed by the map, so changes to the map are reflected in the set, and vice-versa. If the map is modified while an iteration over the set is in progress (except through the iterator's own remove operation, or through the setValue operation on a map entry returned by the iterator) the results of the iteration are undefined. The set supports element removal, which removes the corresponding mapping from the map, via the **Iterator.remove** (p. 2223), **Set.remove** (p. 168), removeAll, retainAll and clear operations. It does not support the add or addAll operations.*

  Returns

  the entire set of keys in this map as a std::vector.

- virtual std::vector< V > **values** () const

Returns

the entire set of values in this map as a std::vector.

- virtual void **lock** () throw (decaf::lang::exceptions::RuntimeException)

  Locks the object.

- virtual bool **tryLock** () throw (decaf::lang::exceptions::RuntimeException)

  Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

- virtual void **unlock** () throw (decaf::lang::exceptions::RuntimeException)

  Unlocks the object.

- virtual void **wait** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMo decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs, int nanos) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateExceptio decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **notify** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals a waiter on this object that it can now wake up and continue.

- virtual void **notifyAll** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals the waiters on this object that it can now wake up and continue.

6.773.1 Detailed Description

template<typename K, typename V, typename COMPARATOR = std::less<K>> class decaf::util::StlMap< K, V, COMPARATOR >

Map (p. 2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map.

Since

1.0

6.773.2 Constructor & Destructor Documentation

6.773.2.1 template<typename K, typename V, typename COMPARATOR = std::less<K>> decaf::util::StlMap< K, V, COMPARATOR >::StlMap ( ) [inline]

Default constructor - does nothing.

6.773.2.2 template<typename K, typename V, typename COMPARATOR = std::less<K>> decaf::util::StlMap< K, V, COMPARATOR >::StlMap (const StlMap< K, V, COMPARATOR > & *source*) [inline]

Copy constructor - copies the content of the given map into this one.

Parameters

source	The source map.

6.773.2.3 template<typename K, typename V, typename COMPARATOR = std::less<K>> decaf::util::StlMap< K, V, COMPARATOR >::StlMap (const Map< K, V, COMPARATOR > & *source*) [inline]

Copy constructor - copies the content of the given map into this one.

Parameters

source	The source map.

6.773.2.4 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual decaf::util::StlMap< K, V, COMPARATOR >::~StlMap ( ) [inline, virtual]

6.773.3 Member Function Documentation

6.773.3.1 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::StlMap< K, V, COMPARATOR >::clear ( ) throw (decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

Removes all keys and values from this map.

Exceptions

UnsupportedOperationException	if this map is unmodifiable.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2540).

Referenced by decaf::util::StlMap< std::string, cms::Topic * >::copy().

6.773.3.2 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::StlMap< K, V, COMPARATOR >::containsKey (const K & *key*) const [inline, virtual]

Indicates whether or this map contains a value for the given key.

Parameters

key	The key to look up.

Returns

true if this map contains the value, otherwise false.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2541).

Referenced by decaf::util::StlMap< std::string, cms::Topic * >::equals().

6.773.3.3 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::StlMap< K, V, COMPARATOR >::containsValue (const V & *value*) const [inline, virtual]

Indicates whether or this map contains a value for the given value, i.e.

they are equal, this is done by operator== so the types must pass equivalence testing in this manner.

Parameters

value	The Value to look up.

Returns

true if this map contains the value, otherwise false.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2542).

6.773.3.4 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::StlMap< K, V, COMPARATOR >::copy (const StlMap< K, V, COMPARATOR > & *source*) [inline, virtual]

Referenced by decaf::util::StlMap< std::string, cms::Topic * >::StlMap().

6.773.3.5 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::StlMap< K, V, COMPARATOR >::copy (const Map< K, V, COMPARATOR > & *source*) [inline, virtual]

Copies the content of the source map into this map.

Erases all existing data in this map.

Parameters

source	The source object to copy from.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2543).

6.773.3.6 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::StlMap< K, V, COMPARATOR >::equals (const Map< K, V, COMPARATOR > & *source*) const [inline, virtual]

Comparison, equality is dependent on the method of determining if the element are equal.

Parameters

source	- **Map** (p. 2538) to compare to this one.

Returns

true if the **Map** (p. 2538) passed is equal in value to this one.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2543).

6.773.3.7 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::StlMap< K, V, COMPARATOR >::equals (const StlMap< K, V, COMPARATOR > & *source*) const [inline, virtual]

6.773.3.8 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual V& decaf::util::StlMap< K, V, COMPARATOR >::get (const K & *key*) throw (lang::exceptions::NoSuchElementException) [inline, virtual]

Gets the value mapped to the specified key in the **Map** (p. 2538).

If there is no element in the map whose key is equivalent to the key provided then a NoSuchElementException is thrown.

Parameters

key	The search key.

Returns

A reference to the value for the given key.

Exceptions

NoSuchElementException	if the key requests doesn't exist in the **Map** (p. 2538).

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2543).

6.773.3.9 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual const V& decaf::util::StlMap< K, V, COMPARATOR >::get (const K & *key*) const throw (lang::exceptions::NoSuchElementException) [inline, virtual]

Gets the value mapped to the specified key in the **Map** (p. 2538).

If there is no element in the map whose key is equivalent to the key provided then a NoSuchElementException is thrown.

Parameters

key	The search key.

Returns

A {const} reference to the value for the given key.

Exceptions

NoSuchElementException	if the key requests doesn't exist in the **Map** (p. 2538).

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2544).

6.773.3.10 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::StlMap< K, V, COMPARATOR >::isEmpty ( ) const [inline, virtual]

Returns

if the **Map** (p. 2538) contains any element or not, TRUE or FALSE

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2545).

6.773.3.11 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual std::vector<K> decaf::util::StlMap< K, V, COMPARATOR >::keySet ( ) const [inline, virtual]

Returns a **Set** (p. 3538) view of the mappings contained in this map.

The set is backed by the map, so changes to the map are reflected in the set, and vice-versa. If the map is modified while an iteration over the set is in progress (except through the iterator's own remove operation, or through the setValue operation on a map entry returned by the iterator) the results of the iteration are undefined. The set supports element removal, which removes the corresponding mapping from the map, via the **Iterator.remove** (p. 2223), **Set.remove** (p. 168), removeAll, retainAll and clear operations. It does not support the add or addAll operations.

Returns

the entire set of keys in this map as a std::vector.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2546).

6.773.3.12 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::StlMap< K, V, COMPARATOR >::lock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Locks the object.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3812).

6.773.3.13 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::StlMap< K, V, COMPARATOR >::notify ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals a waiter on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.
RuntimeException	if an error occurs while notifying one of the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3813).

6.773.3.14 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::StlMap< K, V, COMPARATOR >::notifyAll ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals the waiters on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

RuntimeException	if an error occurs while notifying the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3814).

6.773.3.15 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::StlMap< K, V, COMPARATOR >::put (const K & *key*, const V & *value*) throw (decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

Sets the value for the specified key.

Parameters

key	The target key.
value	The value to be set.

Exceptions

UnsupportedOperationException	if this map is unmodifiable.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2547).

Referenced by decaf::util::StlMap< std::string, cms::Topic * >::putAll().

6.773.3.16 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::StlMap< K, V, COMPARATOR >::putAll (const StlMap< K, V, COMPARATOR > & *other*) throw (decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

Referenced by decaf::util::StlMap< std::string, cms::Topic * >::copy().

6.773.3.17 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::StlMap< K, V, COMPARATOR >::putAll (const Map< K, V, COMPARATOR > & *other*) throw (decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

Stores a copy of the Mappings contained in the other **Map** (p. 2538) in this one.

Parameters

other	A **Map** (p. 2538) instance whose elements are to all be inserted in this **Map** (p. 2538).

Exceptions

UnsupportedOperationException	If the implementing class does not support the putAll operation.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2548).

6.773.3.18 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual V decaf::util::StlMap< K, V, COMPARATOR >::remove (const K & *key*) throw (decaf::lang::exceptions::NoSuchElementException, decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

Removes the value (key/value pair) for the specified key from the map, returns a copy of the value that was mapped to the key.

Parameters

key	The search key.

Returns

a copy of the element that was previously mapped to the given key

Exceptions

NoSuchElementException	if this key is not in the **Map** (p. 2538).
UnsupportedOperationException	if this map is unmodifiable.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2548).

6.773.3.19 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual std::size_t decaf::util::StlMap< K, V, COMPARATOR >::size ( ) const [inline, virtual]

Returns

The number of elements (key/value pairs) in this map.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2549).

6.773.3.20 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual bool decaf::util::StlMap< K, V, COMPARATOR >::tryLock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

Returns

true if the lock was acquired, false if it is already held by another thread.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3815).

6.773.3.21 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::StlMap< K, V, COMPARATOR >::unlock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Unlocks the object.

Exceptions

RuntimeException	if an error occurs while unlocking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3816).

6.773.3.22 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual std::vector<V> decaf::util::StlMap< K, V, COMPARATOR >::values ( ) const [inline, virtual]

Returns

the entire set of values in this map as a std::vector.

Implements **decaf::util::Map< K, V, COMPARATOR >** (p. 2550).

Referenced by decaf::util::StlMap< std::string, cms::Topic * >::values().

6.773.3.23 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::StlMap< K, V, COMPARATOR >::wait ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling.

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3818).

6.773.3.24 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::StlMap< K, V, COMPARATOR >::wait (long long *millisecs*, int *nanos*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval. This method is similar to the one argument wait function except that it add a finer grained control over the amount of time that it waits by adding in the additional nanosecond argument.

NOTE: The ability to wait accurately at a nanosecond scale depends on the platform and OS that the Decaf API is running on, some systems do not provide an accurate enough clock to provide this level of granularity.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE
nanos	additional time in nanoseconds with a range of 0-999999

Exceptions

IllegalArgumentException	if an error occurs or the nanos argument is not in the range of [0-999999]
RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3820).

6.773.3.25 template<typename K, typename V, typename COMPARATOR = std::less<K>> virtual void decaf::util::StlMap< K, V, COMPARATOR >::wait (long long *millisecs*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3819).

The documentation for this class was generated from the following file:

- src/main/decaf/util/**StlMap.h**

6.774 decaf::util::StlQueue< T > Class Template Reference

The **Queue** (p. 3239) class accepts messages with an psuh(m) command where m is the message to be queued.

`#include <src/main/decaf/util/StlQueue.h>`

Inheritance diagram for decaf::util::StlQueue< T >:

Data Structures

- class **QueueIterator**

Public Member Functions

- **StlQueue** ()
- virtual ~**StlQueue** ()
- **Iterator**< T > ∗ **iterator** ()

  *Gets an **Iterator** (p. 2222) over this **Queue** (p. 3239).*

- void **clear** ()

  Empties this queue.

- T & **front** ()

  Returns a Reference to the element at the head of the queue.

- const T & **front** () const

  Returns a Reference to the element at the head of the queue.

- T & **back** ()

  Returns a Reference to the element at the tail of the queue.

- const T & **back** () const

  Returns a Reference to the element at the tail of the queue.

- void **push** (const T &t)

  Places a new Object at the Tail of the queue.

- void **enqueueFront** (const T &t)

  Places a new Object at the front of the queue.

- T **pop** ()

  Removes and returns the element that is at the Head of the queue.

- size_t **size** () const

  *Gets the Number of elements currently in the **Queue*** (p. *3239).*

- bool **empty** () const

  *Checks if this **Queue*** (p. *3239) is currently empty.*

- virtual std::vector< T > **toArray** () const
- void **reverse** (**StlQueue**< T > &target) const

  Reverses the order of the contents of this queue and stores them in the target queue.

- virtual void **lock** () throw (decaf::lang::exceptions::RuntimeException)

  Locks the object.

- virtual bool **tryLock** () throw (decaf::lang::exceptions::RuntimeException)

  Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

- virtual void **unlock** () throw (decaf::lang::exceptions::RuntimeException)

  Unlocks the object.

- virtual void **wait** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateEx decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs, int nanos) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **notify** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals a waiter on this object that it can now wake up and continue.

- virtual void **notifyAll** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals the waiters on this object that it can now wake up and continue.

- T & **getSafeValue** ()

  Fetch a reference to the safe value this object will return when there is nothing to fetch from the queue.

6.774.1 Detailed Description

template<typename T> class decaf::util::StlQueue< T >

The **Queue** (p. 3239) class accepts messages with an psuh(m) command where m is the message to be queued. It destructively returns the message with **pop()** (p. 3728). **pop()** (p. 3728) returns messages in the order they were enqueued.

Queue (p. 3239) is implemented with an instance of the STL queue object. The interface is essentially the same as that of the STL queue except that the pop method actually reaturns a reference to the element popped. This frees the app from having to call the `front` method before calling pop.

Queue<string> sq; // make a queue to hold string messages sq.push(s); // enqueues a message m string s = sq.pop(); // dequeues a message

= DESIGN CONSIDERATIONS

The **Queue** (p. 3239) class inherits from the Synchronizable interface and provides methods for locking and unlocking this queue as well as waiting on this queue. In a multi-threaded app this can allow for multiple threads to be reading from and writing to the same **Queue** (p. 3239).

Clients should consider that in a multiple threaded app it is possible that items could be placed on the queue faster than you are taking them off, so protection should be placed in your polling loop to ensure that you don't get stuck there.

6.774.2 Constructor & Destructor Documentation

6.774.2.1 template<typename T> decaf::util::StlQueue< T >::StlQueue ( ) [inline]

6.774.2.2 template<typename T> virtual decaf::util::StlQueue< T >::~StlQueue ( ) [inline, virtual]

6.774.3 Member Function Documentation

6.774.3.1 template<typename T> T& decaf::util::StlQueue< T >::back ( ) [inline]

Returns a Reference to the element at the tail of the queue.

Returns

reference to a queue type object or (safe)

6.774.3.2 template<typename T> const T& decaf::util::StlQueue< T >::back ( ) const [inline]

Returns a Reference to the element at the tail of the queue.

Returns

reference to a queue type object or (safe)

6.774.3.3 template<typename T> void decaf::util::StlQueue< T >::clear ( ) [inline]

Empties this queue.

6.774.3.4 template<typename T> bool decaf::util::StlQueue< T >::empty ( ) const [inline]

Checks if this **Queue** (p. 3239) is currently empty.

Returns

boolean indicating queue emptiness

6.774.3.5 template<typename T> void decaf::util::StlQueue< T >::enqueueFront (const T & *t*) [inline]

Places a new Object at the front of the queue.

Parameters

t	- **Queue** (p. 3239) Object Type reference.

6.774.3.6 template<typename T> const T& decaf::util::StlQueue< T >::front ( ) const [inline]

Returns a Reference to the element at the head of the queue.

Returns

reference to a queue type object or (safe)

6.774.3.7 template<typename T> T& decaf::util::StlQueue< T >::front ( ) [inline]

Returns a Reference to the element at the head of the queue.

Returns

reference to a queue type object or (safe)

6.774.3.8 template<typename T> T& decaf::util::StlQueue< T >::getSafeValue ( ) [inline]

Fetch a reference to the safe value this object will return when there is nothing to fetch from the queue.

Returns

Reference to this Queues safe object

Referenced by decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >::back(), decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >::front(), and decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >::pop().

6.774.3.9 template<typename T> Iterator<T>* decaf::util::StlQueue< T >::iterator ( ) [inline]

Gets an **Iterator** (p. 2222) over this **Queue** (p. 3239).

Returns

new iterator pointer that is owned by the caller.

6.774.3.10 template<typename T> virtual void decaf::util::StlQueue< T >::lock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Locks the object.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3812).

6.774.3.11 template<typename T> virtual void decaf::util::StlQueue< T >::notify ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals a waiter on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.
RuntimeException	if an error occurs while notifying one of the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3813).

6.774.3.12 template<typename T> virtual void decaf::util::StlQueue< T >::notifyAll ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [inline, virtual]

Signals the waiters on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.
RuntimeException	if an error occurs while notifying the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3814).

6.774.3.13 template<typename T> T decaf::util::StlQueue< T >::pop ( ) [inline]

Removes and returns the element that is at the Head of the queue.

Returns

reference to a queue type object or (safe)

6.774.3.14 template<typename T> void decaf::util::StlQueue< T >::push (const T & *t*) [inline]

Places a new Object at the Tail of the queue.

Parameters

t	- **Queue** (p. 3239) Object Type reference.

6.774.3.15 template<typename T> void decaf::util::StlQueue< T >::reverse (StlQueue< T > & *target*) const [inline]

Reverses the order of the contents of this queue and stores them in the target queue.

Parameters

target	- The target queue that will receive the contents of this queue in reverse order.

6.774.3.16 template<typename T> size_t decaf::util::StlQueue< T >::size ( ) const [inline]

Gets the Number of elements currently in the **Queue** (p. 3239).

Returns

Queue (p. 3239) Size

6.774.3.17 template<typename T> virtual std::vector<T> decaf::util::StlQueue< T >::toArray ( ) const [inline, virtual]

Returns

the all values in this queue as a std::vector.

6.774.3.18 template<typename T> virtual bool decaf::util::StlQueue< T >::tryLock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

Returns

true if the lock was acquired, false if it is already held by another thread.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3815).

6.774.3.19 template<typename T> virtual void decaf::util::StlQueue< T >::unlock ( ) throw (decaf::lang::exceptions::RuntimeException) [inline, virtual]

Unlocks the object.

Exceptions

RuntimeException	if an error occurs while unlocking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3816).

6.774.3.20 template<typename T> virtual void decaf::util::StlQueue< T >::wait ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling.

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorState-Exception	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3818).

6.774.3.21 template<typename T> virtual void decaf::util::StlQueue< T >::wait (long long *millisecs*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3819).

6.774.3.22 template<typename T> virtual void decaf::util::StlQueue< T >::wait (long long *millisecs*, int *nanos*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval. This method is similar to the one argument wait function except that it add a finer grained control over the amount of time that it waits by adding in the additional nanosecond argument.

NOTE: The ability to wait accurately at a nanosecond scale depends on the platform and OS that the Decaf API is running on, some systems do not provide an accurate enough clock to provide this level of granularity.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE
nanos	additional time in nanoseconds with a range of 0-999999

Exceptions

IllegalArgumentException	if an error occurs or the nanos argument is not in the range of [0-999999]

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorState-Exception	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3820).

The documentation for this class was generated from the following file:

- src/main/decaf/util/**StlQueue.h**

6.775 decaf::util::StlSet< E > Class Template Reference

Set (p. 3538) template that wraps around a std::set to provide a more user-friendly interface and to provide common functions that do not exist in std::set.

`#include <src/main/decaf/util/StlSet.h>`

Inheritance diagram for decaf::util::StlSet< E >:

Data Structures

- class **ConstSetIterator**
- class **SetIterator**

Public Member Functions

- **StlSet** ()

  Default constructor - does nothing.

- **StlSet** (const **StlSet** &source)

  Copy constructor - copies the content of the given set into this one.

- **StlSet** (const **Collection**< E > &source)

  Copy constructor - copies the content of the given set into this one.

- virtual ~**StlSet** ()
- **Iterator**< E > * **iterator** ()

  Returns

  an iterator over a set of elements of type T.

- **Iterator**< E > * **iterator** () const
- virtual bool **equals** (const **StlSet** &source) const

- virtual void **copy** (const **StlSet** &source)

- virtual void **clear** () throw (lang::exceptions::UnsupportedOperationException)

  Removes all of the elements from this collection (optional operation).
  The collection will be empty after this method returns.
  This implementation iterates over this collection, removing each element using the ***Iterator.remove*** *(p. 2223) operation. Most implementations will probably choose to override this method for efficiency.*
  Note that this implementation will throw an UnsupportedOperationException if the iterator returned by this collection's iterator method does not implement the remove method and this collection is non-empty.

  Exceptions

UnsupportedOperationException	*if the clear operation is not supported by this collection*

- virtual bool **contains** (const E &value) const throw (lang::Exception)

  Returns true if this collection contains the specified element.
  This implementation iterates over the elements in the collection, checking each element in turn for equality with the specified element.

  Parameters

value	*- the value whose presence is to be queried for in this* ***Collection*** *(p. 1216).*

  Returns

  true if the value is contained in this collection

  Exceptions

Exception	*if an error occurs,*

- virtual bool **isEmpty** () const
- virtual std::size_t **size** () const
- virtual bool **add** (const E &value) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException)

  Returns true if this collection changed as a result of the call.
  (Returns false if this collection does not permit duplicates and already contains the specified element.)
  Collections that support this operation may place limitations on what elements may be added to this collection. In particular, some collections will refuse to add null elements, and others will impose restrictions on the type of elements that may be added. ***Collection*** *(p. 1216) classes should clearly specify in their documentation any restrictions on what elements may be added.*
  If a collection refuses to add a particular element for any reason other than that it already contains the element, it must throw an exception (rather than returning false). This preserves the invariant that a collection always contains the specified element after this call returns.

For non-pointer values, i.e. class instances or string's the object will be copied into the collection, thus the object must support being copied, must not hide the copy constructor and assignment operator.

Parameters

value	*- reference to the element to add.*

Returns

true if the element was added

Exceptions

UnsupportedOperationException	
IllegalArgumentException	
IllegalStateException	*if the element cannot be added at this time due to insertion restrictions*

- virtual bool **remove** (const E &value) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException)

  Removes a single instance of the specified element from this collection, if it is present (optional operation).
  More formally, removes the first element e such that e == o, if this collection contains one or more such elements. Returns true if this collection contained the specified element (or equivalently, if this collection changed as a result of the call).
  This implementation iterates over the collection looking for the specified element. If it finds the element, it removes the element from the collection using the iterator's remove method.
  Note that this implementation throws an UnsupportedOperationException if the iterator returned by this collection's iterator method does not implement the remove method and this collection contains the specified object.

  Parameters

value	*- element to be removed from this collection, if present*

Returns

true if an element was removed as a result of this call

Exceptions

UnsupportedOperationException	*if the remove operation is not supported by this collection.*
IllegalArgumentException	*If the value is not a valid entry for this* ***Collection*** *(p. 1216).*

6.775.1 Detailed Description

template<typename E> class decaf::util::StlSet< E >

Set (p. 3538) template that wraps around a std::set to provide a more user-friendly interface and to provide common functions that do not exist in std::set.

6.775.2 Constructor & Destructor Documentation

6.775.2.1 template<typename E> decaf::util::StlSet< E >::StlSet ( ) [inline]

Default constructor - does nothing.

6.775.2.2 template<typename E> decaf::util::StlSet< E >::StlSet (const StlSet< E > & *source*) [inline]

Copy constructor - copies the content of the given set into this one.

Parameters

source	The source set.

6.775.2.3 template<typename E> decaf::util::StlSet< E >::StlSet (const Collection< E > & *source*) [inline]

Copy constructor - copies the content of the given set into this one.

Parameters

source	The source set.

6.775.2.4 template<typename E> virtual decaf::util::StlSet< E >::~StlSet ( ) [inline, virtual]

6.775.3 Member Function Documentation

6.775.3.1 template<typename E> virtual bool decaf::util::StlSet< E >::add (const E & *value*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException, lang::exceptions::IllegalStateException) [inline, virtual]

Returns true if this collection changed as a result of the call.

(Returns false if this collection does not permit duplicates and already contains the specified element.)

Collections that support this operation may place limitations on what elements may be added to this collection. In particular, some collections will refuse to add null elements, and others will impose restrictions on the type of elements that may be added. **Collection** (p. 1216) classes should clearly specify in their documentation any restrictions on what elements may be added.

If a collection refuses to add a particular element for any reason other than that it already contains the element, it must throw an exception (rather than returning false). This preserves the invariant that a collection always contains the specified element after

this call returns.

For non-pointer values, i.e. class instances or string's the object will be copied into the collection, thus the object must support being copied, must not hide the copy constructor and assignment operator.

Parameters

value	- reference to the element to add.

Returns

true if the element was added

Exceptions

UnsupportedOperationException	
IllegalArgumentException	
IllegalStateException	if the element cannot be added at this time due to insertion restrictions

Implements **decaf::util::Collection< E >** (p. 1218).

6.775.3.2 template<typename E> virtual void decaf::util::StlSet< E >::clear ( ) throw (lang::exceptions::UnsupportedOperationException) [inline, virtual]

Removes all of the elements from this collection (optional operation).

The collection will be empty after this method returns.

This implementation iterates over this collection, removing each element using the **Iterator.remove** (p. 2223) operation. Most implementations will probably choose to override this method for efficiency.

Note that this implementation will throw an UnsupportedOperationException if the iterator returned by this collection's iterator method does not implement the remove method and this collection is non-empty.

Exceptions

UnsupportedOperationException	if the clear operation is not supported by this collection

Reimplemented from **decaf::util::AbstractCollection< E >** (p. 163).

6.775.3.3 template<typename E> virtual bool decaf::util::StlSet< E >::contains (const E & *value*) const throw (lang::Exception) [inline, virtual]

Returns true if this collection contains the specified element.

This implementation iterates over the elements in the collection, checking each element in turn for equality with the specified element.

Parameters

value	- the value whose presence is to be queried for in this **Collection** (p. 1216).

Returns

true if the value is contained in this collection

Exceptions

Exception	if an error occurs,

Reimplemented from **decaf::util::AbstractCollection< E >** (p. 164).

6.775.3.4 template<typename E> virtual void decaf::util::StlSet< E >::copy (const StlSet< E > & *source*) [inline, virtual]

Referenced by decaf::util::StlSet< ActiveMQSession * >::StlSet().

6.775.3.5 template<typename E> virtual bool decaf::util::StlSet< E >::equals (const StlSet< E > & *source*) const [inline, virtual]

6.775.3.6 template<typename E> virtual bool decaf::util::StlSet< E >::isEmpty ( ) const [inline, virtual]

Returns

if the set contains any element or not, TRUE or FALSE

Reimplemented from **decaf::util::AbstractCollection< E >** (p. 166).

6.775.3.7 template<typename E> Iterator<E>* decaf::util::StlSet< E >::iterator ( ) const [inline, virtual]

Implements **decaf::lang::Iterable< E >** (p. 2222).

6.775.3.8 template<typename E> Iterator<E>* decaf::util::StlSet< E >::iterator ( ) [inline, virtual]

Returns

an iterator over a set of elements of type T.

Implements **decaf::lang::Iterable< E >** (p. 2221).

6.775.3.9 template<typename E> virtual bool decaf::util::StlSet< E >::remove (const E & *value*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException) [inline, virtual]

Removes a single instance of the specified element from this collection, if it is present (optional operation).

More formally, removes the first element e such that e == o, if this collection contains one or more such elements. Returns true if this collection contained the specified element (or equivalently, if this collection changed as a result of the call).

This implementation iterates over the collection looking for the specified element. If it finds the element, it removes the element from the collection using the iterator's remove method.

Note that this implementation throws an UnsupportedOperationException if the iterator returned by this collection's iterator method does not implement the remove method and this collection contains the specified object.

Parameters

value	- element to be removed from this collection, if present

Returns

true if an element was removed as a result of this call

Exceptions

UnsupportedOperationException	if the remove operation is not supported by this collection.
IllegalArgumentException	If the value is not a valid entry for this **Collection** (p. 1216).

Reimplemented from **decaf::util::AbstractCollection< E >** (p. 168).

6.775.3.10 template<typename E> virtual std::size_t decaf::util::StlSet< E >::size ( ) const [inline, virtual]

Returns

The number of elements in this set.

Implements **decaf::util::Collection< E >** (p. 1226).

The documentation for this class was generated from the following file:

- src/main/decaf/util/**StlSet.h**

6.776 activemq::wireformat::stomp::StompCommandConstants Class Reference

```
#include <src/main/activemq/wireformat/stomp/StompCommandConstants.h>
```

Static Public Attributes

- static const std::string **CONNECT**
- static const std::string **CONNECTED**
- static const std::string **DISCONNECT**
- static const std::string **SUBSCRIBE**
- static const std::string **UNSUBSCRIBE**
- static const std::string **MESSAGE**
- static const std::string **SEND**
- static const std::string **BEGIN**
- static const std::string **COMMIT**
- static const std::string **ABORT**
- static const std::string **ACK**
- static const std::string **ERROR_CMD**
- static const std::string **RECEIPT**
- static const std::string **HEADER_DESTINATION**
- static const std::string **HEADER_TRANSACTIONID**
- static const std::string **HEADER_CONTENTLENGTH**
- static const std::string **HEADER_SESSIONID**
- static const std::string **HEADER_RECEIPT_REQUIRED**
- static const std::string **HEADER_RECEIPTID**
- static const std::string **HEADER_MESSAGEID**
- static const std::string **HEADER_ACK**
- static const std::string **HEADER_LOGIN**
- static const std::string **HEADER_PASSWORD**
- static const std::string **HEADER_CLIENT_ID**
- static const std::string **HEADER_MESSAGE**
- static const std::string **HEADER_CORRELATIONID**
- static const std::string **HEADER_REQUESTID**
- static const std::string **HEADER_RESPONSEID**
- static const std::string **HEADER_EXPIRES**
- static const std::string **HEADER_PERSISTENT**
- static const std::string **HEADER_REPLYTO**
- static const std::string **HEADER_TYPE**
- static const std::string **HEADER_DISPATCH_ASYNC**
- static const std::string **HEADER_EXCLUSIVE**
- static const std::string **HEADER_MAXPENDINGMSGLIMIT**
- static const std::string **HEADER_NOLOCAL**
- static const std::string **HEADER_PREFETCHSIZE**
- static const std::string **HEADER_JMSPRIORITY**

- static const std::string **HEADER_CONSUMERPRIORITY**
- static const std::string **HEADER_RETROACTIVE**
- static const std::string **HEADER_SUBSCRIPTIONNAME**
- static const std::string **HEADER_OLDSUBSCRIPTIONNAME**
- static const std::string **HEADER_TIMESTAMP**
- static const std::string **HEADER_REDELIVERED**
- static const std::string **HEADER_REDELIVERYCOUNT**
- static const std::string **HEADER_SELECTOR**
- static const std::string **HEADER_ID**
- static const std::string **HEADER_SUBSCRIPTION**
- static const std::string **HEADER_TRANSFORMATION**
- static const std::string **HEADER_TRANSFORMATION_ERROR**
- static const std::string **ACK_CLIENT**
- static const std::string **ACK_AUTO**
- static const std::string **ACK_INDIVIDUAL**
- static const std::string **TEXT**
- static const std::string **BYTES**
- static const std::string **QUEUE_PREFIX**
- static const std::string **TOPIC_PREFIX**
- static const std::string **TEMPQUEUE_PREFIX**
- static const std::string **TEMPTOPIC_PREFIX**

6.776.1 Field Documentation

6.776.1.1 const std::string activemq::wireformat::stomp::StompCommandConstants::ABORT [static]

6.776.1.2 const std::string activemq::wireformat::stomp::StompCommandConstants::ACK [static]

6.776.1.3 const std::string activemq::wireformat::stomp::StompCommandConstants::ACK_AUTO [static]

6.776.1.4 const std::string activemq::wireformat::stomp::StompCommandConstants::ACK_CLIENT [static]

6.776.1.5 const std::string activemq::wireformat::stomp::StompCommandConstants::ACK_INDIVIDUAL [static]

6.776.1.6 const std::string activemq::wireformat::stomp::StompCommandConstants::BEGIN [static]

6.776.1.7 const std::string activemq::wireformat::stomp::StompCommandConstants::BYTES [static]

6.776.1.8 const std::string activemq::wireformat::stomp::StompCommandConstants::COMMIT [static]

6.776.1.9 const std::string activemq::wireformat::stomp::StompCommandConstants::CONNECT [static]

6.776.1.10 const std::string activemq::wireformat::stomp::StompCommandConstants::CONNECTED [static]

6.776.1.11 const std::string activemq::wireformat::stomp::StompCommandConstants::DISCONNECT [static]

6.776.1.12 const std::string activemq::wireformat::stomp::StompCommandConstants::ERROR_CMD [static]

6.776.1.13 const std::string activemq::wireformat::stomp::StompCommandConstants::HEADER_ACK [static]

6.776.1.14 const std::string activemq::wireformat::stomp::StompCommandConstants::HEADER_CLIENT_ID [static]

6.776.1.15 const std::string activemq::wireformat::stomp::StompCommandConstants::HEADER_CONSUMERPRIORITY [static]

6.776.1.16 const std::string activemq::wireformat::stomp::StompCommandConstants::HEADER_CONTENTLENGTH [static]

6.776.1.17 const std::string activemq::wireformat::stomp::StompCommandConstants::HEADER_CORRELATIONID [static]

6.776.1.18 const std::string activemq::wireformat::stomp::StompCommandConstants::HEADER_DESTINATION [static]

6.776.1.19 const std::string activemq::wireformat::stomp::StompCommandConstants::HEADER_DISPATCH_ASYNC [static]

- src/main/activemq/wireformat/stomp/**StompCommandConstants.h**

6.777 activemq::wireformat::stomp::StompFrame Class Reference

A Stomp-level message frame that encloses all messages to and from the broker.

`#include <src/main/activemq/wireformat/stomp/StompFrame.h>`

Public Member Functions

- **StompFrame** ()

  Default constructor.

- virtual ∼**StompFrame** ()

  Destruction.

- **StompFrame** ∗ **clone** () const

  Clonse this message exactly, returns a new instance that the caller is required to delete.

- void **copy** (const **StompFrame** ∗src)

  Copies the contents of the passed Frame to this one.

- void **setCommand** (const std::string &cmd)

  Sets the command for this stomp frame.

- const std::string & **getCommand** () const

  Accessor for this frame's command field.

- bool **hasProperty** (const std::string &name) const

  Checks if the given property is present in the Frame.

- std::string **getProperty** (const std::string &name, const std::string &fallback="") const

  Gets a property from this Frame's properties and returns it, or the default value given.

- std::string **removeProperty** (const std::string &name)

  Gets and remove the property specified, if the property is not set, this method returns the empty string.

- void **setProperty** (const std::string &name, const std::string &value)

  Sets the property given to the value specified in this Frame's Properties.

- **decaf::util::Properties** & **getProperties** ()

  Gets access to the header properties for this frame.

- const **decaf::util::Properties** & **getProperties** () const
- const std::vector< unsigned char > & **getBody** () const

  Accessor for the body data of this frame.

- std::vector< unsigned char > & **getBody** ()

  Non-const version of the body accessor.

- std::size_t **getBodyLength** () const

  Return the number of bytes contained in this frames body.

- void **setBody** (const unsigned char *bytes, std::size_t numBytes)

  Sets the body data of this frame as a byte sequence.

- void **toStream** (**decaf::io::DataOutputStream** *stream) const throw (decaf::io::IOException)

  Writes this Frame to an OuputStream in the Stomp Wire Format.

- void **fromStream** (**decaf::io::DataInputStream** *stream) throw (decaf::io::IOException)

  Reads a Stop Frame from a DataInputStream in the Stomp Wire format.

6.777.1 Detailed Description

A Stomp-level message frame that encloses all messages to and from the broker.

6.777.2 Constructor & Destructor Documentation

6.777.2.1 activemq::wireformat::stomp::StompFrame::StompFrame ( ) [inline]

Default constructor.

6.777.2.2 virtual activemq::wireformat::stomp::StompFrame::~StompFrame ( ) [inline, virtual]

Destruction.

6.777.3 Member Function Documentation

6.777.3.1 StompFrame* activemq::wireformat::stomp::StompFrame::clone ( ) const

Clonse this message exactly, returns a new instance that the caller is required to delete.

Returns

new copy of this message

6.777.3.2 void activemq::wireformat::stomp::StompFrame::copy (const StompFrame * *src*)

Copies the contents of the passed Frame to this one.

Parameters

src	- Frame to copy

6.777.3.3 void activemq::wireformat::stomp::StompFrame::fromStream (decaf::io::DataInputStream * *stream*) throw (decaf::io::IOException)

Reads a Stop Frame from a DataInputStream in the Stomp Wire format.

Parameters

stream	- The stream to read the Frame from.

Exceptions

IOException	if an error occurs while writing the Frame.

6.777.3.4 const std::vector<unsigned char>& activemq::wireformat::stomp::StompFrame::getBody ( ) const [inline]

Accessor for the body data of this frame.

Returns

char pointer to body data

6.777.3.5 std::vector<unsigned char>& activemq::wireformat::stomp::StompFrame::getBody ( ) [inline]

Non-const version of the body accessor.

6.777.3.6 std::size_t activemq::wireformat::stomp::StompFrame::getBodyLength ( ) const [inline]

Return the number of bytes contained in this frames body.

Returns

Body bytes length.

6.777.3.7 const std::string& activemq::wireformat::stomp::StompFrame::getCommand ( ) const [inline]

Accessor for this frame's command field.

6.777.3.8 decaf::util::Properties& activemq::wireformat::stomp::StompFrame::getProperties ( ) [inline]

Gets access to the header properties for this frame.

Returns

the Properties object owned by this Frame

6.777.3.9 const decaf::util::Properties& activemq::wireformat::stomp::StompFrame::getProperties ( ) const [inline]

6.777.3.10 std::string activemq::wireformat::stomp::StompFrame::getProperty (const std::string & *name,* const std::string & *fallback* = " ") const [inline]

Gets a property from this Frame's properties and returns it, or the default value given.

Parameters

name	- The name of the property to lookup
fallback	- The default value to return if this value isn't set

Returns

string value of the property asked for.

6.777.3.11 bool activemq::wireformat::stomp::StompFrame::hasProperty (const std::string & *name*) const [inline]

Checks if the given property is present in the Frame.

Parameters

name	- The name of the property to check for.

6.777.3.12 std::string activemq::wireformat::stomp::StompFrame::removeProperty (const std::string & *name*) [inline]

Gets and remove the property specified, if the property is not set, this method returns the empty string.

Parameters

name	- the Name of the property to get and return.

6.777.3.13 void activemq::wireformat::stomp::StompFrame::setBody (const unsigned char * *bytes,* std::size_t *numBytes*)

Sets the body data of this frame as a byte sequence.

Parameters

bytes	The byte buffer to be set in the body.
numBytes	The number of bytes in the buffer.

6.777.3.14 void activemq::wireformat::stomp::StompFrame::setCommand (const std::string & *cmd*) [inline]

Sets the command for this stomp frame.

Parameters

cmd	command The command to be set.

6.777.3.15 void activemq::wireformat::stomp::StompFrame::setProperty (const std::string & *name,* const std::string & *value*) [inline]

Sets the property given to the value specified in this Frame's Properties.

Parameters

name	- Name of the property.
value	- Value to set the property to.

6.777.3.16 void activemq::wireformat::stomp::StompFrame::toStream (decaf::io::DataOutputStream * *stream*) const throw (decaf::io::IOException)

Writes this Frame to an OuputStream in the Stomp Wire Format.

Parameters

stream	- The stream to write the Frame to.

Exceptions

IOException	if an error occurs while reading the Frame.

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/stomp/**StompFrame.h**

6.778 activemq::wireformat::stomp::StompHelper Class Reference

Utility Methods used when marshaling to and from StompFrame's.

`#include <src/main/activemq/wireformat/stomp/StompHelper.h>`

Public Member Functions

- **StompHelper** ()
- virtual ~**StompHelper** ()
- void **convertProperties** (const **Pointer**< **StompFrame** > &frame, const **Pointer**< **Message** > &message)

  Converts the Headers in a Stomp Frame into Headers in the given Message Command.

- void **convertProperties** (const **Pointer**< **Message** > &message, const **Pointer**< **StompFrame** > &frame)

  *Converts the Properties in a Message Command to Valid Headers and Properties in the **StompFrame*** (p. *3741*).

- **Pointer**< **ActiveMQDestination** > **convertDestination** (const std::string &destination)

  Converts from a Stomp Destination to an ActiveMQDestination.

- std::string **convertDestination** (const **Pointer**< **ActiveMQDestination** > &destination)

  Converts from a ActiveMQDestination to a Stomp Destination Name.

- std::string **convertMessageId** (const **Pointer**< **MessageId** > &messageId)

  Converts a MessageId instance to a Stomp MessageId String.

- **Pointer**< **MessageId** > **convertMessageId** (const std::string &messageId)

  Converts a Stomp MessageId string to a MessageId.

- std::string **convertConsumerId** (const **Pointer**< **ConsumerId** > &consumerId)

Converts a ConsumerId instance to a Stomp ConsumerId String.

- **Pointer**< **ConsumerId** > **convertConsumerId** (const std::string &consumerId)

  Converts a Stomp ConsumerId string to a ConsumerId.

- std::string **convertProducerId** (const **Pointer**< **ProducerId** > &producerId)

  Converts a ProducerId instance to a Stomp ProducerId String.

- **Pointer**< **ProducerId** > **convertProducerId** (const std::string &producerId)

  Converts a Stomp ProducerId string to a ProducerId.

- std::string **convertTransactionId** (const **Pointer**< **TransactionId** > &transactionId)

  Converts a TransactionId instance to a Stomp TransactionId String.

- **Pointer**< **TransactionId** > **convertTransactionId** (const std::string &transactionId)

  Converts a Stomp TransactionId string to a TransactionId.

6.778.1 Detailed Description

Utility Methods used when marshaling to and from StompFrame's.

Since

3.0

6.778.2 Constructor & Destructor Documentation

6.778.2.1 activemq::wireformat::stomp::StompHelper::StompHelper ( ) [inline]

6.778.2.2 virtual activemq::wireformat::stomp::StompHelper::~StompHelper ( ) [inline, virtual]

6.778.3 Member Function Documentation

6.778.3.1 std::string activemq::wireformat::stomp::StompHelper::convertConsumerId (const Pointer< ConsumerId > & *consumerId*)

Converts a ConsumerId instance to a Stomp ConsumerId String.

Parameters

consumerId	- the Consumer instance to convert.

Returns

a Stomp Consumer Id String.

6.778.3.2 Pointer<ConsumerId> activemq::wireformat::stomp::StompHelper::convertConsumerId (const std::string & *consumerId*)

Converts a Stomp ConsumerId string to a ConsumerId.

Parameters

consumerId	- the String Consumer Id to convert.

Returns

Pointer to a new ConsumerId.

6.778.3.3 std::string activemq::wireformat::stomp::StompHelper::convertDestination (const Pointer< ActiveMQDestination > & *destination*)

Converts from a ActiveMQDestination to a Stomp Destination Name.

Parameters

destination	- The ActiveMQDestination to Convert

Returns

the Stomp String name that defines the destination.

6.778.3.4 Pointer<ActiveMQDestination> activemq::wireformat::stomp::StompHelper::convertDestination (const std::string & *destination*)

Converts from a Stomp Destination to an ActiveMQDestination.

Parameters

destination	- The Stomp Destination name string.

Returns

Pointer to a new ActiveMQDestination.

6.778.3.5 std::string activemq::wireformat::stomp::StompHelper::convertMessageId (const Pointer< MessageId > & *messageId*)

Converts a MessageId instance to a Stomp MessageId String.

Parameters

messageId	- the MessageId instance to convert.

Returns

a Stomp Message Id String.

6.778.3.6 Pointer<MessageId> activemq::wireformat::stomp::StompHelper::convertMessageId (const std::string & *messageId*)

Converts a Stomp MessageId string to a MessageId.

Parameters

messageId	- the String message Id to convert.

Returns

Pointer to a new MessageId.

6.778.3.7 std::string activemq::wireformat::stomp::StompHelper::convertProducerId (const Pointer< ProducerId > & *producerId*)

Converts a ProducerId instance to a Stomp ProducerId String.

Parameters

producerId	- the Producer instance to convert.

Returns

a Stomp Producer Id String.

6.778.3.8 Pointer<ProducerId> activemq::wireformat::stomp::StompHelper::convertProducerId (const std::string & *producerId*)

Converts a Stomp ProducerId string to a ProducerId.

Parameters

producerId	- the String Producer Id to convert.

Returns

Pointer to a new ProducerId.

6.778.3.9 void activemq::wireformat::stomp::StompHelper::convertProperties (const Pointer< Message > & *message*, const Pointer< StompFrame > & *frame*)

Converts the Properties in a Message Command to Valid Headers and Properties in the **StompFrame** (p. 3741).

Parameters

message	- The message to move the Headers to.
frame	- The frame to extract headers from.

6.778.3.10 void activemq::wireformat::stomp::StompHelper::convertProperties (const Pointer< StompFrame > & *frame*, const Pointer< Message > & *message*)

Converts the Headers in a Stomp Frame into Headers in the given Message Command.

Parameters

frame	- The frame to extract headers from.
message	- The message to move the Headers to.

6.778.3.11 Pointer<TransactionId> activemq::wireformat::stomp::StompHelper::convertTransactionId (const std::string & *transactionId*)

Converts a Stomp TransactionId string to a TransactionId.

Parameters

transactionId	- the String Transaction Id to convert.

Returns

Pointer to a new TransactionId.

6.778.3.12 std::string activemq::wireformat::stomp::StompHelper::convertTransactionId (const Pointer< TransactionId > & *transactionId*)

Converts a TransactionId instance to a Stomp TransactionId String.

Parameters

transactionId	- the Transaction instance to convert.

Returns

a Stomp Transaction Id String.

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/stomp/**StompHelper.h**

6.779 activemq::wireformat::stomp::StompWireFormat Class Reference

`#include <src/main/activemq/wireformat/stomp/StompWireFormat.h>`

Inheritance diagram for activemq::wireformat::stomp::StompWireFormat:

Public Member Functions

- **StompWireFormat** ()
- virtual ∼**StompWireFormat** ()
- virtual void **marshal** (const **Pointer**< **commands::Command** > &command, const **activemq::transport::Transport** ∗transport, **decaf::io::DataOutputStream** ∗out) throw (decaf::io::IOException)

  Stream based marshaling of a Command, this method blocks until the entire Command has been written out to the output stream.

- virtual **Pointer**< **commands::Command** > **unmarshal** (const **activemq::transport::Transport** ∗transport, **decaf::io::DataInputStream** ∗in) throw (decaf::io::IOException)

  Stream based un-marshaling, blocks on reads on the input stream until a complete command has been read and unmarshaled into the correct form.

- virtual void **setVersion** (int version AMQCPP_UNUSED)

  Set the Version.

- virtual int **getVersion** () const

  Get the Version.

- virtual bool **inReceive** () const

  Is there a Message being unmarshaled?

- virtual bool **hasNegotiator** () const

  *Returns true if this **WireFormat** (p. 4088) has a Negotiator that needs to wrap the Transport that uses it.*

- virtual **Pointer< transport::Transport > createNegotiator** (const **Pointer< transport::Transport >** &transport) throw (decaf::lang::exceptions::UnsupportedOperationException)

  If the Transport Provides a Negotiator this method will create and return a news instance of the Negotiator.

6.779.1 Constructor & Destructor Documentation

6.779.1.1 activemq::wireformat::stomp::StompWireFormat::StompWireFormat ( )

6.779.1.2 virtual activemq::wireformat::stomp::StompWireFormat::~StompWireFormat ( ) [virtual]

6.779.2 Member Function Documentation

6.779.2.1 virtual Pointer<transport::Transport> activemq::wireformat::stomp::StompWireFormat::createNegotiator (const Pointer< transport::Transport > & *transport*) throw (decaf::lang::exceptions::UnsupportedOperationException) [virtual]

If the Transport Provides a Negotiator this method will create and return a news instance of the Negotiator.

Returns

new instance of a **WireFormatNegotiator** (p. 4129).

Exceptions

UnsupportedOperationException	if the **WireFormat** (p. 4088) doesn't have a Negotiator.

Implements **activemq::wireformat::WireFormat** (p. 4089).

6.779.2.2 virtual int activemq::wireformat::stomp::StompWireFormat::getVersion ( ) const [inline, virtual]

Get the Version.

Returns

the version of the wire format

Implements **activemq::wireformat::WireFormat** (p. 4090).

6.779.2.3 virtual bool activemq::wireformat::stomp::StompWireFormat::hasNegotiator ( ) const [inline, virtual]

Returns true if this **WireFormat** (p. 4088) has a Negotiator that needs to wrap the Transport that uses it.

Returns

true if the **WireFormat** (p. 4088) provides a Negotiator.

Implements **activemq::wireformat::WireFormat** (p. 4090).

6.779.2.4 virtual bool activemq::wireformat::stomp::StompWireFormat::inReceive ( ) const [inline, virtual]

Is there a Message being unmarshaled?

Returns

true while in the doUnmarshal method.

Implements **activemq::wireformat::WireFormat** (p. 4090).

6.779.2.5 virtual void activemq::wireformat::stomp::StompWireFormat::marshal (const Pointer< commands::Command > & *command*, const activemq::transport::Transport * *transport*, decaf::io::DataOutputStream * *out*) throw (decaf::io::IOException) [virtual]

Stream based marshaling of a Command, this method blocks until the entire Command has been written out to the output stream.

Parameters

command	The Command to Marshal to the output stream.
transport	The Transport that initiated this marshal call.
out	The output stream to write the command to.

Exceptions

IOException	

Implements **activemq::wireformat::WireFormat** (p. 4091).

6.779.2.6 virtual void activemq::wireformat::stomp::StompWireFormat::setVersion (int version *AMQCPP_UNUSED*) [inline, virtual]

Set the Version.

Parameters

the	version of the wire format

Implements **activemq::wireformat::WireFormat** (p. 4091).

6.779.2.7 virtual Pointer<commands::Command> activemq::wireformat::stomp::StompWireFormat::unmarshal (const activemq::transport::Transport * *transport,* decaf::io::DataInputStream * *in*) throw (decaf::io::IOException) [virtual]

Stream based un-marshaling, blocks on reads on the input stream until a complete command has been read and unmarshaled into the correct form.

Returns a Pointer to the newly unmarshaled Command.

Parameters

transport	- Pointer to the transport that is making this request.
in	- the input stream to read the command from.

Returns

the newly marshaled Command, caller owns the pointer

Exceptions

IOException	

Implements **activemq::wireformat::WireFormat** (p. 4091).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/stomp/**StompWireFormat.h**

6.780 activemq::wireformat::stomp::StompWireFormatFactory Class Reference

Factory used to create the Stomp Wire Format instance.

`#include <src/main/activemq/wireformat/stomp/StompWireFormatFactory.h>`

Inheritance diagram for activemq::wireformat::stomp::StompWireFormatFactory:

Public Member Functions

- **StompWireFormatFactory** ()

- virtual ~**StompWireFormatFactory** ()
- virtual **Pointer**< **WireFormat** > **createWireFormat** (const **decaf::util::Properties** &properties) throw (decaf::lang::exceptions::IllegalStateException)

  *Creates a new **WireFormat** (p. 4088) Object passing it a set of properties from which it can obtain any optional settings.*

6.780.1 Detailed Description

Factory used to create the Stomp Wire Format instance.

6.780.2 Constructor & Destructor Documentation

6.780.2.1 activemq::wireformat::stomp::StompWireFormatFactory::StompWireFormatFactory ( ) [inline]

6.780.2.2 virtual activemq::wireformat::stomp::StompWireFormatFactory::~StompWireFormatFactory ( ) [inline, virtual]

6.780.3 Member Function Documentation

6.780.3.1 virtual Pointer<WireFormat> activemq::wireformat::stomp::StompWireFormatFactory::createWireFormat (const decaf::util::Properties & *properties*) throw (decaf::lang::exceptions::IllegalStateException) [virtual]

Creates a new **WireFormat** (p. 4088) Object passing it a set of properties from which it can obtain any optional settings.

Parameters

properties	- the Properties for this **WireFormat** (p. 4088)

Implements **activemq::wireformat::WireFormatFactory** (p. 4093).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/stomp/**StompWireFormatFactory.h**

6.781 cms::Stoppable Class Reference

Interface for a class that implements the stop method.

`#include <src/main/cms/Stoppable.h>`

Inheritance diagram for cms::Stoppable:

Public Member Functions

- virtual ~**Stoppable** ()
- virtual void **stop** ()=0 throw (CMSException)

  Stops this service.

6.781.1 Detailed Description

Interface for a class that implements the stop method. An object that implements this interface implies that it will halt all operations that result in events being propagated to external users, internally the Object can continue to process data but not events will be generated to clients and methods that return data will not return valid results until the object is started again.

Since

1.0

6.781.2 Constructor & Destructor Documentation

6.781.2.1 virtual cms::Stoppable::~Stoppable ( ) [inline, virtual]

6.781.3 Member Function Documentation

6.781.3.1 virtual void cms::Stoppable::stop ( ) throw (CMSException) [pure virtual]

Stops this service.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs while stopping the Service.

Implemented in **activemq::core::ActiveMQConnection** (p. 280).

The documentation for this class was generated from the following file:

- src/main/cms/**Stoppable.h**

6.782 decaf::util::logging::StreamHandler Class Reference

Stream based logging **Handler** (p. 2042).

```
#include <src/main/decaf/util/logging/StreamHandler.h>
```

Inheritance diagram for decaf::util::logging::StreamHandler:

Public Member Functions

- **StreamHandler** ()

  *Create a **StreamHandler** (p. 3756), with no current output stream.*

- **StreamHandler** (**decaf::io::OutputStream** ∗stream, **Formatter** ∗formatter)

  *Create a **StreamHandler** (p. 3756), with no current output stream.*

- virtual ∼**StreamHandler** ()
- virtual void **close** () throw (decaf::io::IOException)

  Close the current output stream.

- virtual void **flush** ()

  Flush the Handler's output, clears any buffers.

- virtual void **publish** (const **LogRecord** &record)

  *Publish the Log Record to this **Handler** (p. 2042).*

- virtual bool **isLoggable** (const **LogRecord** &record) const

  *Check if this **Handler** (p. 2042) would actually log a given **LogRecord** (p. 2487).*

Protected Member Functions

- virtual void **setOuputStream** (**decaf::io::OutputStream** ∗stream) throw (decaf::lang::exceptions::NullPointerException)

  Change the output stream.

- void **close** (bool closeStream)

  Closes this handler, but the underlying output stream is only closed if closeStream is true.

6.782.1 Detailed Description

Stream based logging **Handler** (p. 2042). This is primarily intended as a base class or support class to be used in implementing other logging Handlers.

LogRecords are published to a given **`decaf::io::OutputStream`** (p. 2991).

Configuration: By default each **StreamHandler** (p. 3756) is initialized using the following **LogManager** (p. 2480) configuration properties. If properties are not defined (or have invalid values) then the specified default values are used.

∗ decaf.util.logging.StreamHandler.level specifies the default level for the **Handler** (p. 2042) (defaults to **Level.INFO** (p. 2408)). ∗ decaf.util.logging.StreamHandler.filter specifies the name of a **Filter** (p. 1949) class to use (defaults to no **Filter** (p. 1949)). ∗ decaf.util.logging.StreamHandler.formatter specifies the name of a **Formatter** (p. 2027) class to use (defaults to **decaf.util.logging.SimpleFormatter** (p. 3604)).

Since

1.0

6.782.2 Constructor & Destructor Documentation

6.782.2.1 decaf::util::logging::StreamHandler::StreamHandler ( )

Create a **StreamHandler** (p. 3756), with no current output stream.

6.782.2.2 decaf::util::logging::StreamHandler::StreamHandler (**decaf::io::OutputStream** ∗ *stream,* **Formatter** ∗ *formatter*)

Create a **StreamHandler** (p. 3756), with no current output stream.

6.782.2.3 virtual decaf::util::logging::StreamHandler::∼StreamHandler ( ) [virtual]

6.782.3 Member Function Documentation

6.782.3.1 virtual void decaf::util::logging::StreamHandler::close ( ) throw (**decaf::io::IOException**) [virtual]

Close the current output stream.

The close method will perform a flush and then close the **Handler** (p. 2042). After close has been called this **Handler** (p. 2042) should no longer be used. Method calls may either be silently ignored or may throw runtime exceptions.

Exceptions

IOException	if an I/O error occurs.

Implements **decaf::io::Closeable** (p. 1181).

Reimplemented in **decaf::util::logging::ConsoleHandler** (p. 1440).

6.782.3.2 void decaf::util::logging::StreamHandler::close (bool *closeStream*) [protected]

Closes this handler, but the underlying output stream is only closed if closeStream is true.

Parameters

closeStream	whether to close the underlying output stream.

6.782.3.3 virtual void decaf::util::logging::StreamHandler::flush ( ) [virtual]

Flush the Handler's output, clears any buffers.

Implements **decaf::util::logging::Handler** (p. 2043).

6.782.3.4 virtual bool decaf::util::logging::StreamHandler::isLoggable (const LogRecord & *record*) const [virtual]

Check if this **Handler** (p. 2042) would actually log a given **LogRecord** (p. 2487).

Parameters

record	**LogRecord** (p. 2487) to check

Returns

true if the record can be logged with current settings.

Reimplemented from **decaf::util::logging::Handler** (p. 2044).

6.782.3.5 virtual void decaf::util::logging::StreamHandler::publish (const LogRecord & *record*) [virtual]

Publish the Log Record to this **Handler** (p. 2042).

Parameters

record	The **LogRecord** (p. 2487) to Publish

Implements **decaf::util::logging::Handler** (p. 2044).

Reimplemented in **decaf::util::logging::ConsoleHandler** (p. 1441).

6.782.3.6 virtual void decaf::util::logging::StreamHandler::setOuputStream (decaf::io::OutputStream * *stream*) throw (decaf::lang::exceptions::NullPointerException) [protected, virtual]

Change the output stream.

If there is a current output stream then the Formatter's tail string is written and the stream is flushed and closed. Then the output stream is replaced with the new output stream.

Parameters

stream	The new output stream. May not be NULL.

Exceptions

NullPointerException	if the passed stream is NULL.

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**StreamHandler.h**

6.783 cms::StreamMessage Class Reference

Interface for a **StreamMessage** (p. 3760).

`#include <src/main/cms/StreamMessage.h>`

Inheritance diagram for cms::StreamMessage:

Public Member Functions

- virtual ~**StreamMessage** ()
- virtual bool **readBoolean** () const =0 throw (cms::MessageEOFException, cms::MessageFormatExceptio cms::MessageNotReadableException, cms::CMSException)

  Reads a Boolean from the Stream message stream.

- virtual void **writeBoolean** (bool value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a boolean to the Stream message stream as a 1-byte value.

- virtual unsigned char **readByte** () const =0 throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a Byte from the Stream message stream.

- virtual void **writeByte** (unsigned char value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a byte to the Stream message stream as a 1-byte value.

- virtual int **readBytes** (std::vector< unsigned char > &value) const =0 throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a byte array from the Stream message stream.

- virtual void **writeBytes** (const std::vector< unsigned char > &value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a byte array to the Stream message stream using the vector size as the number of bytes to write.

- virtual int **readBytes** (unsigned char *buffer, int length) const =0 throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a portion of the Stream message stream.

- virtual void **writeBytes** (const unsigned char *value, int offset, int length)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a portion of a byte array to the Stream message stream.

- virtual char **readChar** () const =0 throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a Char from the Stream message stream.

- virtual void **writeChar** (char value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a char to the Stream message stream as a 1-byte value.

- virtual float **readFloat** () const =0 throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 32 bit float from the Stream message stream.

- virtual void **writeFloat** (float value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a float to the Stream message stream as a 4 byte value.

- virtual double **readDouble** () const =0 throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 64 bit double from the Stream message stream.

- virtual void **writeDouble** (double value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a double to the Stream message stream as a 8 byte value.

- virtual short **readShort** () const =0 throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 16 bit signed short from the Stream message stream.

- virtual void **writeShort** (short value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a signed short to the Stream message stream as a 2 byte value.

- virtual unsigned short **readUnsignedShort** () const =0 throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 16 bit unsigned short from the Stream message stream.

- virtual void **writeUnsignedShort** (unsigned short value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a unsigned short to the Stream message stream as a 2 byte value.

- virtual int **readInt** () const =0 throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 32 bit signed integer from the Stream message stream.

- virtual void **writeInt** (int value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a signed int to the Stream message stream as a 4 byte value.

- virtual long long **readLong** () const =0 throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads a 64 bit long from the Stream message stream.

- virtual void **writeLong** (long long value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes a long long to the Stream message stream as a 8 byte value.

- virtual std::string **readString** () const =0 throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException)

  Reads an ASCII String from the Stream message stream.

- virtual void **writeString** (const std::string &value)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Writes an ASCII String to the Stream message stream.

6.783.1 Detailed Description

Interface for a **StreamMessage** (p. 3760). The stream Messages provides a **Message** (p. 2614) type whose body is a stream of self describing primitive types. The primitive values are read and written using accessors specific to the given types.

StreamMessage (p. 3760) objects support the following conversion table. The marked cases must be supported. The unmarked cases must throw a **CMSException** (p. 1190). The string-to- primitive conversions may throw a runtime exception if the primitive's valueOf() method does not accept it as a valid String representation of the primitive.

A value written as the row type can be read as the column type.

```
|        | boolean byte short char int long float double String byte[]
|-----------------------------------------------------------------------
|boolean |    X                                                X
|byte    |          X     X         X   X                      X
|short   |                X         X   X                      X
|char    |                     X                                X
|int     |                          X   X                      X
|long    |                              X                      X
|float   |                                     X     X         X
|double  |                                           X         X
|String  |    X     X     X         X   X     X     X         X
|byte[]  |                                                                X
|-----------------------------------------------------------------------
```

Since

1.3

6.783.2 Constructor & Destructor Documentation

6.783.2.1 virtual cms::StreamMessage::~StreamMessage ( ) [inline, virtual]

6.783.3 Member Function Documentation

6.783.3.1 virtual bool cms::StreamMessage::readBoolean ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a Boolean from the Stream message stream.

Returns

boolean value from stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException *(p. 2747)*	- if unexpected end of message stream has been reached.
MessageFormatException *(p. 2749)*	- if this type conversion is invalid.
MessageNotReadableException *(p. 2807)*	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 541).

6.783.3.2 virtual unsigned char cms::StreamMessage::readByte ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a Byte from the Stream message stream.

Returns

unsigned char value from stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of message stream has been reached.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 541).

6.783.3.3 virtual int cms::StreamMessage::readBytes (std::vector< unsigned char > & *value*) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a byte array from the Stream message stream.

If the length of vector value is less than the number of bytes remaining to be read from the stream, the vector should be filled. A subsequent call reads the next increment, and so on.

If the number of bytes remaining in the stream is less than the length of vector value, the bytes should be read into the vector. The return value of the total number of bytes read will be less than the length of the vector, indicating that there are no more bytes left to be read from the stream. The next read of the stream returns -1.

Parameters

value	buffer to place data in

Returns

the total number of bytes read into the buffer, or -1 if there is no more data because the end of the stream has been reached

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException *(p. 2747)*	- if unexpected end of message stream has been reached.
MessageFormatException *(p. 2749)*	- if this type conversion is invalid.
MessageNotReadableException *(p. 2807)*	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 542).

6.783.3.4 virtual int cms::StreamMessage::readBytes (unsigned char * *buffer*, int *length*) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a portion of the Stream message stream.

If the length of array value is less than the number of bytes remaining to be read from the stream, the array should be filled. A subsequent call reads the next increment, and so on.

If the number of bytes remaining in the stream is less than the length of array value, the bytes should be read into the array. The return value of the total number of bytes read will be less than the length of the array, indicating that there are no more bytes left to be read from the stream. The next read of the stream returns -1.

If length is negative, or length is greater than the length of the array value, then an **CMSException** (p. 1190) is thrown. No bytes will be read from the stream for this exception case.

Parameters

buffer	the buffer into which the data is read
length	the number of bytes to read; must be less than or equal to value.length

Returns

the total number of bytes read into the buffer, or -1 if there is no more data because the end of the stream has been reached

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException *(p. 2747)*	- if unexpected end of message stream has been reached.

MessageFormatException (p. *2749*)	- if this type conversion is invalid.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 542).

6.783.3.5 virtual char cms::StreamMessage::readChar ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a Char from the Stream message stream.

Returns

char value from stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of message stream has been reached.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 543).

6.783.3.6 virtual double cms::StreamMessage::readDouble ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a 64 bit double from the Stream message stream.

Returns

double value from stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException *(p. 2747)*	- if unexpected end of message stream has been reached.
MessageFormatException *(p. 2749)*	- if this type conversion is invalid.
MessageNotReadableException *(p. 2807)*	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 544).

6.783.3.7 virtual float cms::StreamMessage::readFloat ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a 32 bit float from the Stream message stream.

Returns

double value from stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException *(p. 2747)*	- if unexpected end of message stream has been reached.
MessageFormatException *(p. 2749)*	- if this type conversion is invalid.
MessageNotReadableException *(p. 2807)*	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 544).

6.783.3.8 virtual int cms::StreamMessage::readInt ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a 32 bit signed integer from the Stream message stream.

Returns

int value from stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of message stream has been reached.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 545).

6.783.3.9 virtual long long cms::StreamMessage::readLong ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a 64 bit long from the Stream message stream.

Returns

long long value from stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of message stream has been reached.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 545).

6.783.3.10 virtual short cms::StreamMessage::readShort ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a 16 bit signed short from the Stream message stream.

Returns

short value from stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of message stream has been reached.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 546).

6.783.3.11 virtual std::string cms::StreamMessage::readString ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads an ASCII String from the Stream message stream.

Returns

String from stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of message stream has been reached.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 546).

6.783.3.12 virtual unsigned short cms::StreamMessage::readUnsignedShort ( ) const throw (cms::MessageEOFException, cms::MessageFormatException, cms::MessageNotReadableException, cms::CMSException) [pure virtual]

Reads a 16 bit unsigned short from the Stream message stream.

Returns

unsigned short value from stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to read the message due to some internal error.
MessageEOFException (p. *2747*)	- if unexpected end of message stream has been reached.
MessageFormatException (p. *2749*)	- if this type conversion is invalid.
MessageNotReadableException (p. *2807*)	- if the message is in write-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 547).

6.783.3.13 virtual void cms::StreamMessage::writeBoolean (bool *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a boolean to the Stream message stream as a 1-byte value.

The value true is written as the value (byte)1; the value false is written as the value (byte)0.

Parameters

value	boolean to write to the stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 548).

6.783.3.14 virtual void cms::StreamMessage::writeByte (unsigned char *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a byte to the Stream message stream as a 1-byte value.

Parameters

value	byte to write to the stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException *(p. 2808)*	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 548).

6.783.3.15 virtual void cms::StreamMessage::writeBytes (const unsigned char * *value*, int *offset*, int *length*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a portion of a byte array to the Stream message stream.

size as the number of bytes to write.

Parameters

value	bytes to write to the stream
offset	the initial offset within the byte array
length	the number of bytes to use

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException *(p. 2808)*	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 548).

6.783.3.16 virtual void cms::StreamMessage::writeBytes (const std::vector< unsigned char > & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a byte array to the Stream message stream using the vector size as the number of bytes to write.

Parameters

value	bytes to write to the stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 549).

6.783.3.17 virtual void cms::StreamMessage::writeChar (char *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a char to the Stream message stream as a 1-byte value.

Parameters

value	char to write to the stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 549).

6.783.3.18 virtual void cms::StreamMessage::writeDouble (double *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a double to the Stream message stream as a 8 byte value.

Parameters

value	double to write to the stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException *(p. 2808)*	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 550).

6.783.3.19 virtual void cms::StreamMessage::writeFloat (float *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a float to the Stream message stream as a 4 byte value.

Parameters

value	float to write to the stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException *(p. 2808)*	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 550).

6.783.3.20 virtual void cms::StreamMessage::writeInt (int *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a signed int to the Stream message stream as a 4 byte value.

Parameters

value	signed int to write to the stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException *(p. 2808)*	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 551).

6.783.3.21 virtual void cms::StreamMessage::writeLong (long long *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a long long to the Stream message stream as a 8 byte value.

Parameters

value	signed long long to write to the stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 551).

6.783.3.22 virtual void cms::StreamMessage::writeShort (short *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a signed short to the Stream message stream as a 2 byte value.

Parameters

value	signed short to write to the stream

Exceptions

CMSException (p. *1190*)	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 551).

6.783.3.23 virtual void cms::StreamMessage::writeString (const std::string & *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes an ASCII String to the Stream message stream.

Parameters

value	String to write to the stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException *(p. 2808)*	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 552).

6.783.3.24 virtual void cms::StreamMessage::writeUnsignedShort (unsigned short *value*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Writes a unsigned short to the Stream message stream as a 2 byte value.

Parameters

value	unsigned short to write to the stream

Exceptions

CMSException *(p. 1190)*	- if the CMS provider fails to write the message due to some internal error.
MessageNotWriteableException *(p. 2808)*	- if the message is in read-only mode.

Implemented in **activemq::commands::ActiveMQStreamMessage** (p. 552).

The documentation for this class was generated from the following file:

- src/main/cms/**StreamMessage.h**

6.784 decaf::lang::String Class Reference

The **String** (p. 3775) class represents an immutable sequence of chars.

`#include <src/main/decaf/lang/String.h>`

Inheritance diagram for decaf::lang::String:

Public Member Functions

- **String** ()

  *Creates a new empty **String** (p. 3775) object.*

- **String** (const std::string &source)

  *Create a new **String** (p. 3775) object that represents the given STL string.*

- virtual ~**String** ()
- bool **isEmpty** () const
- virtual int **length** () const

  Returns

  the length of the underlying character sequence.

- virtual char **charAt** (int index) const throw (lang::exceptions::IndexOutOfBoundsException)

  Returns the Char at the specified index so long as the index is not greater than the length of the sequence.

  Parameters

index	*- position to return the char at.*

  Returns

  the char at the given position

  Exceptions

IndexOutOfBoundsException	*if index is > than **length()** (p. 1168) or negative*

- virtual **CharSequence** * **subSequence** (int start, int end) const throw (lang::exceptions::IndexOutOfBound)

  *Returns a new **CharSequence** (p. 1167) that is a subsequence of this sequence.*
  The subsequence starts with the char value at the specified index and ends with the char value at index end - 1. The length (in chars) of the returned sequence is end - start, so if start == end then an empty sequence is returned.

  Parameters

start	*- the start index, inclusive*
end	*- the end index, exclusive*

  Returns

  *a new **CharSequence** (p. 1167)*

  Exceptions

IndexOutOfBoundsException	*if start or end > **length()** (p. 1168) or start or end are negative.*

- virtual std::string **toString** () const

  Returns

  *the string representation of this **CharSequence** (p. 1167)*

6.784.1 Detailed Description

The **String** (p. 3775) class represents an immutable sequence of chars.

Since

1.0

6.784.2 Constructor & Destructor Documentation

6.784.2.1 decaf::lang::String::String ( )

Creates a new empty **String** (p. 3775) object.

6.784.2.2 decaf::lang::String::String (const std::string & *source*)

Create a new **String** (p. 3775) object that represents the given STL string.

Parameters

source	The string to copy into this new **String** (p. 3775) object.

6.784.2.3 virtual decaf::lang::String::∼String ( ) [virtual]

6.784.3 Member Function Documentation

6.784.3.1 virtual char decaf::lang::String::charAt (int *index*) const throw (lang::exceptions::IndexOutOfBoundsException) [virtual]

Returns the Char at the specified index so long as the index is not greater than the length of the sequence.

Parameters

index	- position to return the char at.

Returns

the char at the given position

Exceptions

IndexOutOfBoundsException	if index is > than **length()** (p. 1168) or negative

Implements **decaf::lang::CharSequence** (p. 1168).

6.784.3.2 bool decaf::lang::String::isEmpty ( ) const

Returns

true if the length of this **String** (p. 3775) is zero.

6.784.3.3 virtual int decaf::lang::String::length ( ) const [virtual]

Returns

the length of the underlying character sequence.

Implements **decaf::lang::CharSequence** (p. 1168).

6.784.3.4 virtual CharSequence* decaf::lang::String::subSequence (int *start*, int *end*) const throw (lang::exceptions::IndexOutOfBoundsException) [virtual]

Returns a new **CharSequence** (p. 1167) that is a subsequence of this sequence.

The subsequence starts with the char value at the specified index and ends with the char value at index end - 1. The length (in chars) of the returned sequence is end - start, so if start == end then an empty sequence is returned.

Parameters

start	- the start index, inclusive
end	- the end index, exclusive

Returns

a new **CharSequence** (p. 1167)

Exceptions

IndexOutOfBoundsException	if start or end > **length()** (p. 1168) or start or end are negative.

Implements **decaf::lang::CharSequence** (p. 1168).

6.784.3.5 virtual std::string decaf::lang::String::toString ( ) const [virtual]

Returns

the string representation of this **CharSequence** (p. 1167)

Implements **decaf::lang::CharSequence** (p. 1169).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**String.h**

6.785 decaf::util::StringTokenizer Class Reference

```
#include <src/main/decaf/util/StringTokenizer.h>
```

Public Member Functions

- **StringTokenizer** (const std::string &str, const std::string &delim=" \t\n\r\f", bool returnDelims=false)

  Constructs a string tokenizer for the specified string.

- virtual ~**StringTokenizer** ()
- virtual int **countTokens** () const

  Calculates the number of times that this tokenizer's nextToken method can be called before it generates an exception.

- virtual bool **hasMoreTokens** () const

  Tests if there are more tokens available from this tokenizer's string.

- virtual std::string **nextToken** () throw (lang::exceptions::NoSuchElementException)

  Returns the next token from this string tokenizer.

- virtual std::string **nextToken** (const std::string &delim) throw (lang::exceptions::NoSuchElementException)

  Returns the next token in this string tokenizer's string.

- virtual unsigned int **toArray** (std::vector< std::string > &array)

  Grab all remaining tokens in the String and return them in the vector that is passed in by reference.

- virtual void **reset** (const std::string &str="", const std::string &delim="", bool returnDelims=false)

  Resets the Tokenizer's position in the String to the Beginning calls to countToken and nextToken now start back at the beginning.

6.785.1 Constructor & Destructor Documentation

6.785.1.1 decaf::util::StringTokenizer::StringTokenizer (const std::string & *str*, const std::string & *delim* = " \t\n\r\f", bool *returnDelims* = false)

Constructs a string tokenizer for the specified string.

All characters in the delim argument are the delimiters for separating tokens.

If the returnDelims flag is true, then the delimiter characters are also returned as tokens. Each delimiter is returned as a string of length one. If the flag is false, the delimiter characters are skipped and only serve as separators between tokens.

Note that if delim is "", this constructor does not throw an exception. However, trying to invoke other methods on the resulting **StringTokenizer** (p. 3779) may result in an Exception.

Parameters

str	- The string to tokenize
delim	- String containing the delimiters
returnDelims	- boolean indicating if the delimiters are returned as tokens

6.785.1.2 virtual decaf::util::StringTokenizer::~StringTokenizer ( ) [virtual]

6.785.2 Member Function Documentation

6.785.2.1 virtual int decaf::util::StringTokenizer::countTokens ( ) const [virtual]

Calculates the number of times that this tokenizer's nextToken method can be called before it generates an exception.

The current position is not advanced.

Returns

Count of remaining tokens

6.785.2.2 virtual bool decaf::util::StringTokenizer::hasMoreTokens ( ) const [virtual]

Tests if there are more tokens available from this tokenizer's string.

Returns

true if there are more tokens remaining

6.785.2.3 virtual std::string decaf::util::StringTokenizer::nextToken (const std::string & *delim*) throw (lang::exceptions::NoSuchElementException) [virtual]

Returns the next token in this string tokenizer's string.

First, the set of characters considered to be delimiters by this **StringTokenizer** (p. 3779) object is changed to be the characters in the string delim. Then the next token in the string after the current position is returned. The current position is advanced beyond the recognized token. The new delimiter set remains the default after this call.

Parameters

delim	- string containing the new set of delimiters

Returns

next string in the token list

Exceptions

NoSuchElementException	

6.785.2.4 virtual std::string decaf::util::StringTokenizer::nextToken ( ) throw (lang::exceptions::NoSuchElementException) [virtual]

Returns the next token from this string tokenizer.

Returns

string value of next token

Exceptions

NoSuchElementException	

6.785.2.5 virtual void decaf::util::StringTokenizer::reset (const std::string & *str* = " ", const std::string & *delim* = " ", bool *returnDelims* = false) [virtual]

Resets the Tokenizer's position in the String to the Beginning calls to countToken and nextToken now start back at the beginning.

This allows this object to be reused, the caller need not create a new instance every time a String needs tokenizing. If set the string param will reset the string that this Tokenizer is working on. If set to "" no change is made. If set the delim param will reset the string that this Tokenizer is using to tokenizer the string. If set to "", no change is made If set the return Delims will set if this Tokenizer will return delimiters as tokens. Defaults to false.

Parameters

str	- New String to tokenize or "", defaults to ""
delim	- New Delimiter String to use or "", defaults to ""
returnDelims	- Should the Tokenizer return delimiters as Tokens, default false

6.785.2.6 virtual unsigned int decaf::util::StringTokenizer::toArray (std::vector< std::string > & *array*) [virtual]

Grab all remaining tokens in the String and return them in the vector that is passed in by reference.

Parameters

array	- vector to place token strings in

Returns

number of string placed into the vector

The documentation for this class was generated from the following file:

- src/main/decaf/util/**StringTokenizer.h**

6.786 activemq::commands::SubscriptionInfo Class Reference

`#include <src/main/activemq/commands/SubscriptionInfo.h>`

Inheritance diagram for activemq::commands::SubscriptionInfo:

Public Member Functions

- **SubscriptionInfo** ()
- virtual ∼**SubscriptionInfo** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **SubscriptionInfo** ∗ **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual const std::string & **getClientId** () const
- virtual std::string & **getClientId** ()
- virtual void **setClientId** (const std::string &**clientId**)
- virtual const **Pointer**< **ActiveMQDestination** > & **getDestination** () const

- virtual **Pointer**< **ActiveMQDestination** > & **getDestination** ()
- virtual void **setDestination** (const **Pointer**< **ActiveMQDestination** > &**destination**)
- virtual const std::string & **getSelector** () const
- virtual std::string & **getSelector** ()
- virtual void **setSelector** (const std::string &**selector**)
- virtual const std::string & **getSubcriptionName** () const
- virtual std::string & **getSubcriptionName** ()
- virtual void **setSubcriptionName** (const std::string &**subcriptionName**)
- virtual const **Pointer**< **ActiveMQDestination** > & **getSubscribedDestination** () const
- virtual **Pointer**< **ActiveMQDestination** > & **getSubscribedDestination** ()
- virtual void **setSubscribedDestination** (const **Pointer**< **ActiveMQDestination** > &**subscribedDestination**)

Static Public Attributes

- static const unsigned char **ID_SUBSCRIPTIONINFO** = 55

Protected Attributes

- std::string **clientId**
- **Pointer**< **ActiveMQDestination** > **destination**
- std::string **selector**
- std::string **subcriptionName**
- **Pointer**< **ActiveMQDestination** > **subscribedDestination**

6.786.1 Constructor & Destructor Documentation

6.786.1.1 activemq::commands::SubscriptionInfo::SubscriptionInfo ( )

6.786.1.2 virtual activemq::commands::SubscriptionInfo::~SubscriptionInfo ( ) [virtual]

6.786.2 Member Function Documentation

6.786.2.1 virtual SubscriptionInfo* activemq::commands::SubscriptionInfo::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.786.2.2 virtual void activemq::commands::SubscriptionInfo::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

6.786.2.3 virtual bool activemq::commands::SubscriptionInfo::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

6.786.2.4 virtual const std::string& activemq::commands::SubscriptionInfo::getClientId ( ) const [virtual]

6.786.2.5 virtual std::string& activemq::commands::SubscriptionInfo::getClientId ( ) [virtual]

6.786.2.6 virtual unsigned char activemq::commands::SubscriptionInfo::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.786.2.7 virtual const Pointer<ActiveMQDestination>& activemq::commands::SubscriptionInfo::getDestination ( ) const [virtual]

6.786.2.8 virtual Pointer<ActiveMQDestination>& activemq::commands::SubscriptionInfo::getDestination ( ) [virtual]

6.786.2.9 virtual const std::string& activemq::commands::SubscriptionInfo::getSelector ( ) const [virtual]

6.786.2.10 virtual std::string& activemq::commands::SubscriptionInfo::getSelector ( ) [virtual]

6.786.2.11 virtual std::string& activemq::commands::SubscriptionInfo::getSubcriptionName ( ) [virtual]

6.786.2.12 virtual const std::string& activemq::commands::SubscriptionInfo::getSubcriptionName ( ) const [virtual]

6.786.2.13 virtual const Pointer<ActiveMQDestination>& activemq::commands::SubscriptionInfo::getSubscribedDestination ( ) const [virtual]

6.786.2.14 virtual Pointer<ActiveMQDestination>& activemq::commands::SubscriptionInfo::getSubscribedDestination ( ) [virtual]

6.786.2.15 virtual void activemq::commands::SubscriptionInfo::setClientId (const std::string & *clientId*) [virtual]

6.786.2.16 virtual void activemq::commands::SubscriptionInfo::setDestination (const Pointer< ActiveMQDestination > & *destination*) [virtual]

6.786.2.17 virtual void activemq::commands::SubscriptionInfo::setSelector (const std::string & *selector*) [virtual]

6.786.2.18 virtual void activemq::commands::SubscriptionInfo::setSubcriptionName (const std::string & *subcriptionName*) [virtual]

6.786.2.19 virtual void activemq::commands::SubscriptionInfo::setSubscribedDestination (const Pointer< ActiveMQDestination > & *subscribedDestination*) [virtual]

6.786.2.20 virtual std::string activemq::commands::SubscriptionInfo::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

6.786.3 Field Documentation

6.786.3.1 std::string activemq::commands::SubscriptionInfo::clientId [protected]

6.786.3.2 Pointer<ActiveMQDestination> activemq::commands::SubscriptionInfo::destination [protected]

6.786.3.3 const unsigned char activemq::commands::SubscriptionInfo::ID_SUBSCRIPTIONINFO = 55 [static]

6.786.3.4 std::string activemq::commands::SubscriptionInfo::selector [protected]

6.786.3.5 std::string activemq::commands::SubscriptionInfo::subcriptionName [protected]

6.786.3.6 Pointer<ActiveMQDestination> activemq::commands::SubscriptionInfo::subscribedDestination [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**SubscriptionInfo.h**

6.787 activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3786).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/SubscriptionInf`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller:

Public Member Functions

- **SubscriptionInfoMarshaller** ()

- virtual ~**SubscriptionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.787.1 Detailed Description

Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3786). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.787.2 Constructor & Destructor Documentation

6.787.2.1 activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller::SubscriptionInfoMarshaller ( ) [inline]

6.787.2.2 virtual activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller::~SubscriptionInfoMarshaller ( ) [inline, virtual]

6.787.3 Member Function Documentation

6.787.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.787.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.787.3.3 virtual void activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.787.3.4 virtual void activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.787.3.5 virtual int activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.787.3.6 virtual void activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.787.3.7 virtual void activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**SubscriptionInfoMarshaller.h**

6.788 activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3791).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/SubscriptionInfoMarshall`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller:

Public Member Functions

- **SubscriptionInfoMarshaller** ()
- virtual ~**SubscriptionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.788.1 Detailed Description

Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3791). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.788.2 Constructor & Destructor Documentation

6.788.2.1 activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller::SubscriptionInfoMarshaller ( ) [inline]

6.788.2.2 virtual activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller::~SubscriptionInfoMarshaller ( ) [inline, virtual]

6.788.3 Member Function Documentation

6.788.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.788.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.788.3.3 virtual void activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.788.3.4 virtual void activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.788.3.5 virtual int activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.788.3.6 virtual void activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.788.3.7 virtual void activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**SubscriptionInfoMarshaller.h**

6.789 activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3795).

`#include <src/main/activemq/wireformat/openwire/marshal/v5/SubscriptionInfoMarshall`

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller:

Public Member Functions

- **SubscriptionInfoMarshaller** ()
- virtual ∼**SubscriptionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.789.1 Detailed Description

Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3795). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.789.2 Constructor & Destructor Documentation

6.789.2.1 activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller::SubscriptionInfoMarshaller ( ) [inline]

6.789.2.2 virtual activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller::~SubscriptionInfoMarshaller ( ) [inline, virtual]

6.789.3 Member Function Documentation

6.789.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.789.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.789.3.3 virtual void activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.789.3.4 virtual void activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.789.3.5 virtual int activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.789.3.6 virtual void activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.789.3.7 virtual void activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**SubscriptionInfoMarshaller.h**

6.790 activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3799).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/SubscriptionInfoMarshall`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller:

Public Member Functions

- **SubscriptionInfoMarshaller** ()
- virtual ∼**SubscriptionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.790.1 Detailed Description

Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3799). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.790.2 Constructor & Destructor Documentation

6.790.2.1 activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller::SubscriptionInfoMarshaller ( ) [inline]

6.790.2.2 virtual activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller::~SubscriptionInfoMarshaller ( ) [inline, virtual]

6.790.3 Member Function Documentation

6.790.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.790.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.790.3.3 virtual void activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.790.3.4 virtual void activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.790.3.5 virtual int activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.790.3.6 virtual void activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.790.3.7 virtual void activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**SubscriptionInfoMarshaller.h**

6.791 activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3803).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/SubscriptionInfoMarshall
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller:

Public Member Functions

- **SubscriptionInfoMarshaller** ()
- virtual ∼**SubscriptionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.791.1 Detailed Description

Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3803). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.791.2 Constructor & Destructor Documentation

6.791.2.1 activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller::SubscriptionInfoMarshaller ( ) [inline]

6.791.2.2 virtual activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller::~SubscriptionInfoMarshaller ( ) [inline, virtual]

6.791.3 Member Function Documentation

6.791.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.791.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.791.3.3 virtual void activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.791.3.4 virtual void activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.791.3.5 virtual int activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.791.3.6 virtual void activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.791.3.7 virtual void activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**SubscriptionInfoMarshaller.h**

6.792 activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3807).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/SubscriptionInfoMarshall
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller:

Public Member Functions

- **SubscriptionInfoMarshaller** ()
- virtual ∼**SubscriptionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.792.1 Detailed Description

Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3807). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.792.2 Constructor & Destructor Documentation

6.792.2.1 activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller::SubscriptionInfoMarshaller ( ) [inline]

6.792.2.2 virtual activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller::~SubscriptionInfoMarshaller ( ) [inline, virtual]

6.792.3 Member Function Documentation

6.792.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.792.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller::getDataStructureTy ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.792.3.3 virtual void activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.792.3.4 virtual void activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.792.3.5 virtual int activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.792.3.6 virtual void activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.792.3.7 virtual void activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**SubscriptionInfoMarshaller.h**

6.793 decaf::util::concurrent::Synchronizable Class Reference

The interface for all synchronizable objects (that is, objects that can be locked and unlocked).

`#include <src/main/decaf/util/concurrent/Synchronizable.h>`

Inheritance diagram for decaf::util::concurrent::Synchronizable:

Public Member Functions

- virtual ~**Synchronizable** ()
- virtual void **lock** ()=0 throw (decaf::lang::exceptions::RuntimeException)

  Locks the object.

- virtual bool **tryLock** ()=0 throw (decaf::lang::exceptions::RuntimeException)

  *Attempts to **Lock** (p. 2450) the object, if the lock is already held by another thread than this method returns false.*

- virtual void **unlock** ()=0 throw (decaf::lang::exceptions::RuntimeException)

  Unlocks the object.

- virtual void **wait** ()=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs)=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs, int nanos)=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **notify** ()=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals a waiter on this object that it can now wake up and continue.

- virtual void **notifyAll** ()=0 throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

Signals the waiters on this object that it can now wake up and continue.

6.793.1 Detailed Description

The interface for all synchronizable objects (that is, objects that can be locked and unlocked).

Since

1.0

6.793.2 Constructor & Destructor Documentation

6.793.2.1 virtual decaf::util::concurrent::Synchronizable::~Synchronizable ( ) [inline, virtual]

6.793.3 Member Function Documentation

6.793.3.1 virtual void decaf::util::concurrent::Synchronizable::lock ( ) throw (decaf::lang::exceptions::RuntimeException) [pure virtual]

Locks the object.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implemented in **activemq::core::MessageDispatchChannel** (p. 2687), **decaf::internal::util::concurrent::Syn** (p. 3823), **decaf::io::InputStream** (p. 2109), **decaf::io::OutputStream** (p. 2995), **decaf::util::AbstractCollection< E >** (p. 167), **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1274), **decaf::util::concurrent::Mutex** (p. 2868), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3717), **decaf::util::StlQueue< T >** (p. 3727), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 167), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 167), **decaf::util::AbstractCollection< Resource * >** (p. 167), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 167), **decaf::util::AbstractCollection< CompositeTask * >** (p. 167), **decaf::util::AbstractCollection< URI >** (p. 167), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 167), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 167), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 167), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 167), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 167), **decaf::util::AbstractCollection< cms::MessageProducer * >** (p. 167), **decaf::util::AbstractCollection< cms::Destination * >** (p. 167), **decaf::util::AbstractCollection< cms::Session * >** (p. 167), **decaf::util::AbstractCollection< cms::Connection * >** (p. 167), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1274), **decaf::util::concurrent::ConcurrentStlMa Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1274), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId**

>, **Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1274), **decaf::util::concurrent::ConcurrentStlMa**
Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR > (p. 1274), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1274), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1274), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3717), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3717), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3717), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3717), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3717), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3717), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3717), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3717), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3717), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3717), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3717), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3717), **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3717), **decaf::util::StlQueue< Pointer< Transport > >** (p. 3727), **decaf::util::StlQueue< Pointer< MessageDispatch > >** (p. 3727), **decaf::util::StlQueue< Task >** (p. 3727), **decaf::util::StlQueue< Pointer< Command > >** (p. 3727), and **decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >** (p. 3727).

6.793.3.2 virtual void decaf::util::concurrent::Synchronizable::notify ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [pure virtual]

Signals a waiter on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.
RuntimeException	if an error occurs while notifying one of the waiting threads.

Implemented in **activemq::core::MessageDispatchChannel** (p. 2687), **decaf::internal::util::concurrent::Synchronizable** (p. 3823), **decaf::io::InputStream** (p. 2110), **decaf::io::OutputStream** (p. 2995), **decaf::util::AbstractCollection< E >** (p. 167), **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1274), **decaf::util::concurrent::Mutex** (p. 2868), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3717), **decaf::util::StlQueue< T >** (p. 3727), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 167), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 167), **decaf::util::AbstractCollection< Resource * >** (p. 167), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 167), **decaf::util::AbstractCollection< CompositeTask * >** (p. 167), **decaf::util::AbstractCollection< URI >** (p. 167), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 167), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 167), **decaf::util::AbstractCollection<**

PrimitiveValueNode > (p. 167), **decaf::util::AbstractCollection**< **Pointer**< **Command** > > (p. 167), **decaf::util::AbstractCollection**< **Pointer**< **BackupTransport** > > (p. 167), **decaf::util::AbstractCollection**< **cms::MessageProducer** ∗ > (p. 167), **decaf::util::AbstractCollection**< **cms::Destination** ∗ > (p. 167), **decaf::util::AbstractCollection**< **cms::Session** ∗ > (p. 167), **decaf::util::AbstractCollection**< **cms::Connection** ∗ > (p. 167), **decaf::util::concurrent::ConcurrentStlMap**< **Pointer**< **MessageId** >, **Pointer**< **Message** >, **MessageId::COMPARATOR** > (p. 1274), **decaf::util::concurrent::ConcurrentStlMa** **Pointer**< **ConnectionId** >, **Pointer**< **ConnectionState** >, **ConnectionId::COMPARATOR** > (p. 1274), **decaf::util::concurrent::ConcurrentStlMap**< **Pointer**< **ConsumerId** >, **Pointer**< **ConsumerState** >, **ConsumerId::COMPARATOR** > (p. 1274), **decaf::util::concurrent::Conc** **Pointer**< **SessionId** >, **Pointer**< **SessionState** >, **SessionId::COMPARATOR** > (p. 1274), **decaf::util::concurrent::ConcurrentStlMap**< **Pointer**< **LocalTransactionId** >, **Pointer**< **TransactionState** >, **LocalTransactionId::COMPARATOR** > (p. 1274), **decaf::util::concurrent::ConcurrentStlMap**< **Pointer**< **ProducerId** >, **Pointer**< **ProducerState** >, **ProducerId::COMPARATOR** > (p. 1274), **decaf::util::StlMap**< **cms::Session** ∗, **SessionResolver** ∗ > (p. 3717), **decaf::util::StlMap**< **std::string, WireFormatFactory** ∗ > (p. 3717), **decaf::util::StlMap**< **std::string, PrimitiveValueNode** > (p. 3717), **decaf::util::StlMap**< **std::string, cms::Queue** ∗ > (p. 3717), **decaf::util::StlMap**< **Pointer**< **commands::ProducerId** >, **ActiveMQProducer** ∗, **commands::ProducerId::COMPARATOR** > (p. 3717), **decaf::util::StlMap**< **std::string, CachedConsumer** ∗ > (p. 3717), **decaf::util::StlMap**< **Pointer**< **commands::ConsumerId** >, **ActiveMQConsumer** ∗, **commands::ConsumerId::COMPARATOR** > (p. 3717), **decaf::util::StlMap**< **std::string, TransportFactory** ∗ > (p. 3717), **decaf::util::StlMap**< **Pointer**< **ConsumerId** >, **Pointer**< **ConsumerInfo** >, **ConsumerId::COMPARATOR** > (p. 3717), **decaf::util::StlMap**< **int, Pointer**< **Command** > > (p. 3717), **decaf::util::StlMap**< **Pointer**< **commands::ConsumerId** >, **Dispatcher** ∗, **commands::ConsumerId::COMPARATOR** > (p. 3717), **decaf::util::StlMap**< **std::string, CachedProducer** ∗ > (p. 3717), **decaf::util::StlMap**< **std::string, cms::Topic** ∗ > (p. 3717), **decaf::util::StlQueue**< **Pointer**< **Transport** > > (p. 3727), **decaf::util::StlQueue**< **Pointer**< **MessageDispatch** > > (p. 3727), **decaf::util::StlQueue**< **Task** > (p. 3727), **decaf::util::StlQueue**< **Pointer**< **Command** > > (p. 3727), and **decaf::util::StlQueue**< **decaf::lang::Pointer**< **commands::MessageDispatch** > > (p. 3727).

6.793.3.3 virtual void decaf::util::concurrent::Synchronizable::notifyAll ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [pure virtual]

Signals the waiters on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.
RuntimeException	if an error occurs while notifying the waiting threads.

Implemented in **activemq::core::MessageDispatchChannel** (p. 2687), **decaf::internal::util::concurrent::Sy** (p. 3824), **decaf::io::InputStream** (p. 2110), **decaf::io::OutputStream** (p. 2995),

decaf::util::AbstractCollection< E > (p. 167), **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1275), **decaf::util::concurrent::Mutex** (p. 2868), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3717), **decaf::util::StlQueue< T >** (p. 3727), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 167), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 167), **decaf::util::AbstractCollection< Resource * >** (p. 167), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 167), **decaf::util::AbstractCollection< CompositeTask * >** (p. 167), **decaf::util::AbstractCollection< URI >** (p. 167), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 167), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 167), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 167), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 167), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 167), **decaf::util::AbstractCollection< cms::MessageProducer * >** (p. 167), **decaf::util::AbstractCollection< cms::Destination * >** (p. 167), **decaf::util::AbstractCollection< cms::Session * >** (p. 167), **decaf::util::AbstractCollection< cms::Connection * >** (p. 167), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1275), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1275), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1275), **decaf::util::concurrent::ConcurrentStlMa Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1275), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1275), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1275), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3717), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3717), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3717), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3717), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3717), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3717), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3717), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3717), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3717), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3717), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3717), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3717), **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3717), **decaf::util::StlQueue< Pointer< Transport > >** (p. 3727), **decaf::util::StlQueue< Pointer< MessageDispatch > >** (p. 3727), **decaf::util::StlQueue< Task >** (p. 3727), **decaf::util::StlQueue< Pointer< Command > >** (p. 3727), and **decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >** (p. 3727).

6.793.3.4 virtual bool decaf::util::concurrent::Synchronizable::tryLock ( ) throw (decaf::lang::exceptions::RuntimeException) `[pure virtual]`

Attempts to **Lock** (p. 2450) the object, if the lock is already held by another thread than this method returns false.

Returns

true if the lock was acquired, false if it is already held by another thread.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implemented in **activemq::core::MessageDispatchChannel** (p. 2688), **decaf::internal::util::concurrent::Syn** (p. 3824), **decaf::io::InputStream** (p. 2114), **decaf::io::OutputStream** (p. 2996), **decaf::util::AbstractCollection< E >** (p. 171), **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1280), **decaf::util::concurrent::Mutex** (p. 2869), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3719), **decaf::util::StlQueue< T >** (p. 3729), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 171), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 171), **decaf::util::AbstractCollection< Resource * >** (p. 171), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 171), **decaf::util::AbstractCollection< CompositeTask * >** (p. 171), **decaf::util::AbstractCollection< URI >** (p. 171), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 171), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 171), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 171), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 171), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 171), **decaf::util::AbstractCollection< cms::MessageProducer * >** (p. 171), **decaf::util::AbstractCollection< cms::Destination * >** (p. 171), **decaf::util::AbstractCollection< cms::Session * >** (p. 171), **decaf::util::AbstractCollection< cms::Connection * >** (p. 171), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::ConcurrentStlMa Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::Conc Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1280), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3719), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3719), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3719), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3719), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3719), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3719), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3719), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3719), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3719), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3719), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3719), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3719), **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3719), **decaf::util::StlQueue< Pointer< Transport > >** (p. 3729), **decaf::util::StlQueue< Pointer< MessageDispatch > >** (p. 3729), **decaf::util::StlQueue< Task >** (p. 3729), **decaf::util::StlQueue< Pointer< Command > >** (p. 3729), and **decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >** (p. 3729).

6.793.3.5 virtual void decaf::util::concurrent::Synchronizable::unlock ( ) throw (decaf::lang::exceptions::RuntimeException) [pure virtual]

Unlocks the object.

Exceptions

RuntimeException	if an error occurs while unlocking the object.

Implemented in **activemq::core::MessageDispatchChannel** (p. 2689), **decaf::internal::util::concurrent::Synchronizable** (p. 3824), **decaf::io::InputStream** (p. 2115), **decaf::io::OutputStream** (p. 2996), **decaf::util::AbstractCollection< E >** (p. 171), **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1280), **decaf::util::concurrent::Mutex** (p. 2869), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3720), **decaf::util::StlQueue< T >** (p. 3729), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 171), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 171), **decaf::util::AbstractCollection< Resource * >** (p. 171), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 171), **decaf::util::AbstractCollection< CompositeTask * >** (p. 171), **decaf::util::AbstractCollection< URI >** (p. 171), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 171), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 171), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 171), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 171), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 171), **decaf::util::AbstractCollection< cms::MessageProducer * >** (p. 171), **decaf::util::AbstractCollection< cms::Destination * >** (p. 171), **decaf::util::AbstractCollection< cms::Session * >** (p. 171), **decaf::util::AbstractCollection< cms::Connection * >** (p. 171), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::ConcurrentStlMa Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1280), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1280), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3720), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3720), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3720), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3720), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3720), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3720), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3720), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3720), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3720), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3720), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3720), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3720), **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3720), **decaf::util::StlQueue< Pointer< Transport > >** (p. 3729), **decaf::util::StlQueue< Pointer< MessageDispatch > >** (p. 3729), **decaf::util::StlQueue< Task >** (p. 3729), **decaf::util::StlQueue<**

Pointer< Command > > (p. 3729), and **decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >** (p. 3729).

6.793.3.6 virtual void decaf::util::concurrent::Synchronizable::wait ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [pure virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling.

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorState-Exception	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.

Implemented in **activemq::core::MessageDispatchChannel** (p. 2690), **decaf::internal::util::concurrent::Syn** (p. 3825), **decaf::io::InputStream** (p. 2115), **decaf::io::OutputStream** (p. 2996), **decaf::util::AbstractCollection< E >** (p. 171), **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1281), **decaf::util::concurrent::Mutex** (p. 2870), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3720), **decaf::util::StlQueue< T >** (p. 3729), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 171), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 171), **decaf::util::AbstractCollection< Resource * >** (p. 171), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 171), **decaf::util::AbstractCollection< CompositeTask * >** (p. 171), **decaf::util::AbstractCollection< URI >** (p. 171), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 171), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 171), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 171), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 171), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 171), **decaf::util::AbstractCollection< cms::MessageProducer * >** (p. 171), **decaf::util::AbstractCollection< cms::Destination * >** (p. 171), **decaf::util::AbstractCollection< cms::Session * >** (p. 171), **decaf::util::AbstractCollection< cms::Connection * >** (p. 171), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1281), **decaf::util::concurrent::ConcurrentStlMa Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1281), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1281), **decaf::util::concurrent::Conc Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1281), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1281), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1281), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3720), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3720), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3720), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3720), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3720), **decaf::util::StlMap< std::string,**

CachedConsumer $*>$ (p. 3720), **decaf::util::StlMap**$<$ **Pointer**$<$ **commands::ConsumerId** $>$, **ActiveMQConsumer** $*$, **commands::ConsumerId::COMPARATOR** $>$ (p. 3720), **decaf::util::StlMap**$<$ **std::string, TransportFactory** $*>$ (p. 3720), **decaf::util::StlMap**$<$ **Pointer**$<$ **ConsumerId** $>$, **Pointer**$<$ **ConsumerInfo** $>$, **ConsumerId::COMPARATOR** $>$ (p. 3720), **decaf::util::StlMap**$<$ **int, Pointer**$<$ **Command** $>>$ (p. 3720), **decaf::util::StlMap**$<$ **Pointer**$<$ **commands::ConsumerId** $>$, **Dispatcher** $*$, **commands::ConsumerId::COMPARATOR** $>$ (p. 3720), **decaf::util::StlMap**$<$ **std::string, CachedProducer** $*>$ (p. 3720), **decaf::util::StlMap**$<$ **std::string, cms::Topic** $*>$ (p. 3720), **decaf::util::StlQueue**$<$ **Pointer**$<$ **Transport** $>>$ (p. 3729), **decaf::util::StlQueue**$<$ **Pointer**$<$ **MessageDispatch** $>>$ (p. 3729), **decaf::util::StlQueue**$<$ **Task** $>$ (p. 3729), **decaf::util::StlQueue**$<$ **Pointer**$<$ **Command** $>>$ (p. 3729), and **decaf::util::StlQueue**$<$ **decaf::lang::Pointer**$<$ **commands::MessageDispatch** $>>$ (p. 3729).

6.793.3.7 virtual void decaf::util::concurrent::Synchronizable::wait (long long *millisecs*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [pure virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.

Implemented in **activemq::core::MessageDispatchChannel** (p. 2689), **decaf::internal::util::concurrent::Synchronizable** (p. 3825), **decaf::io::InputStream** (p. 2115), **decaf::io::OutputStream** (p. 2997), **decaf::util::AbstractCollection**$<$ **E** $>$ (p. 172), **decaf::util::concurrent::ConcurrentStlMap**$<$ **K, V, COMPARATOR** $>$ (p. 1281), **decaf::util::concurrent::Mutex** (p. 2870), **decaf::util::StlMap**$<$ **K, V, COMPARATOR** $>$ (p. 3721), **decaf::util::StlQueue**$<$ **T** $>$ (p. 3730), **decaf::util::AbstractCollection**$<$ **transport::TransportListener** $*>$ (p. 172), **decaf::util::AbstractCollection**$<$ **Pointer**$<$ **Synchronization** $>>$ (p. 172), **decaf::util::AbstractCollection**$<$ **Resource** $*>$ (p. 172), **decaf::util::AbstractCollection**$<$ **cms::MessageConsumer** $*>$ (p. 172), **decaf::util::AbstractCollection**$<$ **CompositeTask** $*>$ (p. 172), **decaf::util::AbstractCollection**$<$ **URI** $>$ (p. 172), **decaf::util::AbstractCollection**$<$ **ActiveMQSession** $*>$ (p. 172), **decaf::util::AbstractCollection**$<$ **Pointer**$<$ **DestinationInfo** $>>$ (p. 172), **decaf::util::AbstractCollection**$<$ **PrimitiveValueNode** $>$ (p. 172), **decaf::util::AbstractCollection**$<$ **Pointer**$<$ **Command** $>>$ (p. 172), **decaf::util::AbstractCollection**$<$ **Pointer**$<$ **BackupTransport** $>>$ (p. 172), **decaf::util::AbstractCollection**$<$ **cms::MessageProducer** $*>$ (p. 172), **decaf::util::AbstractCollection**$<$ **cms::Destination** $*>$ (p. 172), **decaf::util::AbstractCollection**$<$ **cms::Session** $*>$ (p. 172), **decaf::util::AbstractCollection**$<$ **cms::Connection** $*$

> (p. 172), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1281), **decaf::util::concurrent::ConcurrentStlMa Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1281), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1281), **decaf::util::concurrent::Conc Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1281), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1281), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1281), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3721), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3721), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3721), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3721), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3721), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3721), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3721), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3721), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3721), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3721), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3721), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3721), **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3721), **decaf::util::StlQueue< Pointer< Transport > >** (p. 3730), **decaf::util::StlQueue< Pointer< MessageDispatch > >** (p. 3730), **decaf::util::StlQueue< Task >** (p. 3730), **decaf::util::StlQueue< Pointer< Command > >** (p. 3730), and **decaf::util::StlQueue< decaf::lang::Pointer< commands::MessageDispatch > >** (p. 3730).

6.793.3.8 virtual void decaf::util::concurrent::Synchronizable::wait (long long *millisecs*, int *nanos*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) `[pure virtual]`

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval. This method is similar to the one argument wait function except that it add a finer grained control over the amount of time that it waits by adding in the additional nanosecond argument.

NOTE: The ability to wait accurately at a nanosecond scale depends on the platform and OS that the Decaf API is running on, some systems do not provide an accurate enough clock to provide this level of granularity.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE
nanos	additional time in nanoseconds with a range of 0-999999

Exceptions

IllegalArgumentException	if an error occurs or the nanos argument is not in the range of [0-999999]
RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the **Synchronizable** (p. 3811) Object.

Implemented in **activemq::core::MessageDispatchChannel** (p. 2689), **decaf::internal::util::concurrent::Synchronizable** (p. 3825), **decaf::io::InputStream** (p. 2116), **decaf::io::OutputStream** (p. 2997), **decaf::util::AbstractCollection< E >** (p. 172), **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >** (p. 1282), **decaf::util::concurrent::Mutex** (p. 2871), **decaf::util::StlMap< K, V, COMPARATOR >** (p. 3721), **decaf::util::StlQueue< T >** (p. 3730), **decaf::util::AbstractCollection< transport::TransportListener * >** (p. 172), **decaf::util::AbstractCollection< Pointer< Synchronization > >** (p. 172), **decaf::util::AbstractCollection< Resource * >** (p. 172), **decaf::util::AbstractCollection< cms::MessageConsumer * >** (p. 172), **decaf::util::AbstractCollection< CompositeTask * >** (p. 172), **decaf::util::AbstractCollection< URI >** (p. 172), **decaf::util::AbstractCollection< ActiveMQSession * >** (p. 172), **decaf::util::AbstractCollection< Pointer< DestinationInfo > >** (p. 172), **decaf::util::AbstractCollection< PrimitiveValueNode >** (p. 172), **decaf::util::AbstractCollection< Pointer< Command > >** (p. 172), **decaf::util::AbstractCollection< Pointer< BackupTransport > >** (p. 172), **decaf::util::AbstractCollection< cms::MessageProducer * >** (p. 172), **decaf::util::AbstractCollection< cms::Destination * >** (p. 172), **decaf::util::AbstractCollection< cms::Session * >** (p. 172), **decaf::util::AbstractCollection< cms::Connection * >** (p. 172), **decaf::util::concurrent::ConcurrentStlMap< Pointer< MessageId >, Pointer< Message >, MessageId::COMPARATOR >** (p. 1282), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConnectionId >, Pointer< ConnectionState >, ConnectionId::COMPARATOR >** (p. 1282), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ConsumerId >, Pointer< ConsumerState >, ConsumerId::COMPARATOR >** (p. 1282), **decaf::util::concurrent::ConcurrentStlMa Pointer< SessionId >, Pointer< SessionState >, SessionId::COMPARATOR >** (p. 1282), **decaf::util::concurrent::ConcurrentStlMap< Pointer< LocalTransactionId >, Pointer< TransactionState >, LocalTransactionId::COMPARATOR >** (p. 1282), **decaf::util::concurrent::ConcurrentStlMap< Pointer< ProducerId >, Pointer< ProducerState >, ProducerId::COMPARATOR >** (p. 1282), **decaf::util::StlMap< cms::Session *, SessionResolver * >** (p. 3721), **decaf::util::StlMap< std::string, WireFormatFactory * >** (p. 3721), **decaf::util::StlMap< std::string, PrimitiveValueNode >** (p. 3721), **decaf::util::StlMap< std::string, cms::Queue * >** (p. 3721), **decaf::util::StlMap< Pointer< commands::ProducerId >, ActiveMQProducer *, commands::ProducerId::COMPARATOR >** (p. 3721), **decaf::util::StlMap< std::string, CachedConsumer * >** (p. 3721), **decaf::util::StlMap< Pointer< commands::ConsumerId >, ActiveMQConsumer *, commands::ConsumerId::COMPARATOR >** (p. 3721), **decaf::util::StlMap< std::string, TransportFactory * >** (p. 3721), **decaf::util::StlMap< Pointer< ConsumerId >, Pointer< ConsumerInfo >, ConsumerId::COMPARATOR >** (p. 3721), **decaf::util::StlMap< int, Pointer< Command > >** (p. 3721), **decaf::util::StlMap< Pointer< commands::ConsumerId >, Dispatcher *, commands::ConsumerId::COMPARATOR >** (p. 3721), **decaf::util::StlMap< std::string, CachedProducer * >** (p. 3721), **decaf::util::StlMap< std::string, cms::Topic * >** (p. 3721), **decaf::util::StlQueue< Pointer< Transport > >** (p. 3730), **decaf::util::StlQueue< Pointer< MessageDispatch > >** (p. 3730), **decaf::util::StlQueue< Task >** (p. 3730), **decaf::util::StlQueue<**

Pointer< **Command** > > (p. 3730), and **decaf::util::StlQueue**< **decaf::lang::Pointer**< **commands::MessageDispatch** > > (p. 3730).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**Synchronizable.h**

6.794 decaf::internal::util::concurrent::SynchronizableImpl Class Reference

A convenience class used by some Decaf classes to implement the Synchronizable interface when there is no issues related to multiple inheritance.

```
#include <src/main/decaf/internal/util/concurrent/SynchronizableImpl.h>
```

Inheritance diagram for decaf::internal::util::concurrent::SynchronizableImpl:

Public Member Functions

- **SynchronizableImpl** ()
- virtual ~**SynchronizableImpl** ()
- virtual void **lock** () throw (decaf::lang::exceptions::RuntimeException)

  Locks the object.

- virtual bool **tryLock** () throw (decaf::lang::exceptions::RuntimeException)

  Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

- virtual void **unlock** () throw (decaf::lang::exceptions::RuntimeException)

  Unlocks the object.

- virtual void **wait** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMo decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **wait** (long long millisecs, int nanos) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateExceptio decaf::lang::exceptions::InterruptedException)

  Waits on a signal from this object, which is generated by a call to Notify.

- virtual void **notify** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals a waiter on this object that it can now wake up and continue.

- virtual void **notifyAll** () throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException)

  Signals the waiters on this object that it can now wake up and continue.

6.794.1 Detailed Description

A convenience class used by some Decaf classes to implement the Synchronizable interface when there is no issues related to multiple inheritance.

Since

1.0

6.794.2 Constructor & Destructor Documentation

6.794.2.1 decaf::internal::util::concurrent::SynchronizableImpl::SynchronizableImpl ( )

6.794.2.2 virtual decaf::internal::util::concurrent::SynchronizableImpl::∼SynchronizableImpl ( ) [virtual]

6.794.3 Member Function Documentation

6.794.3.1 virtual void decaf::internal::util::concurrent::SynchronizableImpl::lock ( ) throw (**decaf::lang::exceptions::RuntimeException**) [virtual]

Locks the object.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3812).

6.794.3.2 virtual void decaf::internal::util::concurrent::SynchronizableImpl::notify ( ) throw (**decaf::lang::exceptions::RuntimeException**, **decaf::lang::exceptions::IllegalMonitorStateException**) [virtual]

Signals a waiter on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorState-Exception	- if the current thread is not the owner of the the Synchronizable Object.
RuntimeException	if an error occurs while notifying one of the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3813).

6.794.3.3 virtual void decaf::internal::util::concurrent::SynchronizableImpl::notifyAll ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException) [virtual]

Signals the waiters on this object that it can now wake up and continue.

Must have this object locked before calling.

Exceptions

IllegalMonitorState-Exception	- if the current thread is not the owner of the the Synchronizable Object.
RuntimeException	if an error occurs while notifying the waiting threads.

Implements **decaf::util::concurrent::Synchronizable** (p. 3814).

6.794.3.4 virtual bool decaf::internal::util::concurrent::SynchronizableImpl::tryLock ( ) throw (decaf::lang::exceptions::RuntimeException) [virtual]

Attempts to Lock the object, if the lock is already held by another thread than this method returns false.

Returns

true if the lock was acquired, false if it is already held by another thread.

Exceptions

RuntimeException	if an error occurs while locking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3815).

6.794.3.5 virtual void decaf::internal::util::concurrent::SynchronizableImpl::unlock ( ) throw (decaf::lang::exceptions::RuntimeException) [virtual]

Unlocks the object.

Exceptions

RuntimeException	if an error occurs while unlocking the object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3816).

6.794.3.6 virtual void decaf::internal::util::concurrent::SynchronizableImpl::wait ( ) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling.

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorState-Exception	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3818).

6.794.3.7 virtual void decaf::internal::util::concurrent::SynchronizableImpl::wait (long long *millisecs*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE

Exceptions

RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorState-Exception	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3819).

6.794.3.8 virtual void decaf::internal::util::concurrent::SynchronizableImpl::wait (long long *millisecs*, int *nanos*) throw (decaf::lang::exceptions::RuntimeException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalMonitorStateException, decaf::lang::exceptions::InterruptedException) [virtual]

Waits on a signal from this object, which is generated by a call to Notify.

Must have this object locked before calling. This wait will timeout after the specified time interval. This method is similar to the one argument wait function except that it add a finer grained control over the amount of time that it waits by adding in the additional nanosecond argument.

NOTE: The ability to wait accurately at a nanosecond scale depends on the platform and OS that the Decaf API is running on, some systems do not provide an accurate enough clock to provide this level of granularity.

Parameters

millisecs	the time in milliseconds to wait, or WAIT_INIFINITE
nanos	additional time in nanoseconds with a range of 0-999999

Exceptions

IllegalArgumentException	if an error occurs or the nanos argument is not in the range of [0-999999]
RuntimeException	if an error occurs while waiting on the object.
InterruptedException	if the wait is interrupted before it completes.
IllegalMonitorStateException	- if the current thread is not the owner of the the Synchronizable Object.

Implements **decaf::util::concurrent::Synchronizable** (p. 3820).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/util/concurrent/**SynchronizableImpl.h**

6.795 activemq::core::Synchronization Class Reference

Transacted Object **Synchronization** (p. 3826), used to sync the events of a Transaction with the items in the Transaction.

```
#include <src/main/activemq/core/Synchronization.h>
```

Public Member Functions

- virtual ~**Synchronization** ()
- virtual void **beforeEnd** ()=0 throw (exceptions::ActiveMQException)
- virtual void **afterCommit** ()=0 throw (exceptions::ActiveMQException)
- virtual void **afterRollback** ()=0 throw (exceptions::ActiveMQException)

6.795.1 Detailed Description

Transacted Object **Synchronization** (p. 3826), used to sync the events of a Transaction with the items in the Transaction.

6.795.2 Constructor & Destructor Documentation

6.795.2.1 virtual activemq::core::Synchronization::~Synchronization ( ) [inline, virtual]

6.795.3 Member Function Documentation

6.795.3.1 virtual void activemq::core::Synchronization::afterCommit ( ) throw (exceptions::ActiveMQException) [pure virtual]

6.795.3.2 virtual void activemq::core::Synchronization::afterRollback ( ) throw (exceptions::ActiveMQException) [pure virtual]

6.795.3.3 virtual void activemq::core::Synchronization::beforeEnd ( ) throw (exceptions::ActiveMQException) [pure virtual]

The documentation for this class was generated from the following file:

- src/main/activemq/core/**Synchronization.h**

6.796 decaf::util::concurrent::SynchronousQueue< E > Class Template Reference

A **blocking queue** (p. 848) in which each insert operation must wait for a corresponding remove operation by another thread, and vice versa.

`#include <src/main/decaf/util/concurrent/SynchronousQueue.h>`

Inheritance diagram for decaf::util::concurrent::SynchronousQueue< E >:

Data Structures

- class **EmptyIterator**

Public Member Functions

- **SynchronousQueue** ()
- virtual ~**SynchronousQueue** ()

- virtual void **put** (const E &value) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

  Adds the specified element to this queue, waiting if necessary for another thread to receive it.

- virtual bool **offer** (const E &e, long timeout, const **TimeUnit** &unit) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

  Inserts the specified element into this queue, waiting if necessary up to the specified wait time for another thread to receive it.

- virtual bool **offer** (const E &value) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException)

  Inserts the specified element into this queue, if another thread is waiting to receive it.

- virtual E **take** () throw (decaf::lang::exceptions::InterruptedException)

  Retrieves and removes the head of this queue, waiting if necessary for another thread to insert it.

- virtual bool **poll** (E &result, long long timeout, const **TimeUnit** &unit) throw (decaf::lang::exceptions::InterruptedException)

  Retrieves and removes the head of this queue, waiting if necessary up to the specified wait time, for another thread to insert it.

- virtual bool **poll** (E &result)

  Retrieves and removes the head of this queue, if another thread is currently making an element available.

- virtual bool **equals** (const **Collection**< E > &value) const

  *Answers true if this **Collection** (p. 1216) and the one given are the same size and if each element contained in the **Collection** (p. 1216) given is equal to an element contained in this collection.*

- virtual **decaf::util::Iterator**< E > ∗ **iterator** ()
- virtual **decaf::util::Iterator**< E > ∗ **iterator** () const
- virtual bool **isEmpty** () const

  Returns true if this collection contains no elements.

- virtual std::size_t **size** () const

  Returns the number of elements in this collection.

- virtual int **remainingCapacity** () const

  Returns the number of additional elements that this queue can ideally (in the absence of memory or resource constraints) accept without blocking, or `Integer::MAX_VALUE` if there is no intrinsic limit.

- virtual void **clear** () throw (lang::exceptions::UnsupportedOperationException)

  Removes all elements of the queue.

- virtual bool **contains** (const E &value DECAF_UNUSED) const throw (lang::Exception)
- virtual bool **containsAll** (const **Collection**< E > &collection) const throw (lang::Exception)

  Returns true if this collection contains all of the elements in the specified collection.

- virtual bool **remove** (const E &value DECAF_UNUSED) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException)
- virtual bool **removeAll** (const **Collection**< E > &collection DECAF_UNUSED) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException)
- virtual bool **retainAll** (const **Collection**< E > &collection DECAF_UNUSED) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException)
- virtual bool **peek** (E &result DECAF_UNUSED) const
- virtual std::vector< E > **toArray** () const

  *Answers an STL vector containing copies of all elements contained in this **Collection** (p. 1216).*

- virtual std::size_t **drainTo** (**Collection**< E > &c) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException)

  Removes all available elements from this queue and adds them to the given collection.

- virtual std::size_t **drainTo** (**Collection**< E > &c, std::size_t maxElements) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException)

  Removes at most the given number of available elements from this queue and adds them to the given collection.

6.796.1 Detailed Description

template<typename E> class decaf::util::concurrent::SynchronousQueue< E >

A **blocking queue** (p. 848) in which each insert operation must wait for a corresponding remove operation by another thread, and vice versa. A synchronous queue does not have any internal capacity, not even a capacity of one. You cannot `peek` at a synchronous queue because an element is only present when you try to remove it; you cannot insert an element (using any method) unless another thread is trying to remove it; you cannot iterate as there is nothing to iterate. The *head* of the queue is the element that the first queued inserting thread is trying to add to the queue; if there is no such queued thread then no element is available for removal and **`poll()`** (p. 3834) will return `null`. For purposes of other **`Collection`** (p. 1216) methods (for example

`contains`), a **`SynchronousQueue`** (p. 3827) acts as an empty collection. This queue does not permit `null` elements.

Synchronous queues are similar to rendezvous channels used in CSP and Ada. They are well suited for handoff designs, in which an object running in one thread must sync up with an object running in another thread in order to hand it some information, event, or task.

This class supports an optional fairness policy for ordering waiting producer and consumer threads. By default, this ordering is not guaranteed. However, a queue constructed with fairness set to `true` grants threads access in FIFO order.

This class and its iterator implement all of the *optional* methods of the **Collection** (p. 1216) and **Iterator** (p. 2222) interfaces.

Since

1.0

6.796.2 Constructor & Destructor Documentation

6.796.2.1 template<typename E > decaf::util::concurrent::SynchronousQueue< E >::SynchronousQueue ( ) [inline]

6.796.2.2 template<typename E > virtual decaf::util::concurrent::SynchronousQueue< E >::~SynchronousQueue ( ) [inline, virtual]

6.796.3 Member Function Documentation

6.796.3.1 template<typename E > virtual void decaf::util::concurrent::SynchronousQueue< E >::clear ( ) throw (lang::exceptions::UnsupportedOperationException) [inline, virtual]

Removes all elements of the queue.

This implementation repeatedly invokes poll until it returns the empty marker.

Reimplemented from **decaf::util::AbstractQueue< E >** (p. 178).

6.796.3.2 template<typename E > virtual bool decaf::util::concurrent::SynchronousQueue< E >::contains (const E &value *DECAF_UNUSED*) const throw (lang::Exception) [inline, virtual]

6.796.3.3 template<typename E > virtual bool decaf::util::concurrent::SynchronousQueue< E >::containsAll (const Collection< E > & *collection*) const throw (lang::Exception) [inline, virtual]

Returns true if this collection contains all of the elements in the specified collection.

This implementation iterates over the specified collection, checking each element returned by the iterator in turn to see if it's contained in this collection. If all elements are so contained true is returned, otherwise false.

Parameters

collection	collection to be checked for containment in this collection

Returns

true if this collection contains all of the elements in the specified collection.

Exceptions

Exception	if an error occurs,

Reimplemented from **decaf::util::AbstractCollection< E >** (p. 165).

6.796.3.4 template<typename E > virtual std::size_t decaf::util::concurrent::SynchronousQueue< E >::drainTo (Collection< E > & *c*) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException) [inline, virtual]

Removes all available elements from this queue and adds them to the given collection.

This operation may be more efficient than repeatedly polling this queue. A failure encountered while attempting to add elements to collection `c` may result in elements being in neither, either or both collections when the associated exception is thrown. Attempts to drain a queue to itself result in `IllegalArgumentException`. Further, the behavior of this operation is undefined if the specified collection is modified while the operation is in progress.

Parameters

c	the collection to transfer elements into

Returns

the number of elements transferred

Exceptions

UnsupportedOperationException	if addition of elements is not supported by the specified collection
IllegalArgumentException	if the specified collection is this queue, or some property of an element of this queue prevents it from being added to the specified collection

Implements **decaf::util::concurrent::BlockingQueue< E >** (p. 852).

References decaf::util::AbstractQueue< E >::element(), and decaf::util::concurrent::SynchronousQueue< E >::poll().

6.796.3.5 template<typename E > virtual std::size_t decaf::util::concurrent::SynchronousQueue< E >::drainTo (Collection< E > & *c*, std::size_t *maxElements*) throw (decaf::lang::exceptions::UnsupportedOperationException, decaf::lang::exceptions::IllegalArgumentException) [inline, virtual]

Removes at most the given number of available elements from this queue and adds them to the given collection.

A failure encountered while attempting to add elements to collection `c` may result in elements being in neither, either or both collections when the associated exception is thrown. Attempts to drain a queue to itself result in `IllegalArgumentException`. Further, the behavior of this operation is undefined if the specified collection is modified while the operation is in progress.

Parameters

c	the collection to transfer elements into
maxElements	the maximum number of elements to transfer

Returns

the number of elements transferred

Exceptions

UnsupportedOperationException	if addition of elements is not supported by the specified collection
IllegalArgumentException	if the specified collection is this queue, or some property of an element of this queue prevents it from being added to the specified collection

Implements **decaf::util::concurrent::BlockingQueue< E >** (p. 852).

References decaf::util::AbstractQueue< E >::element(), and decaf::util::concurrent::SynchronousQueue< E >::poll().

6.796.3.6 template<typename E > virtual bool decaf::util::concurrent::SynchronousQueue< E >::equals (const Collection< E > & *collection*) const [inline, virtual]

Answers true if this **Collection** (p. 1216) and the one given are the same size and if each element contained in the **Collection** (p. 1216) given is equal to an element contained in this collection.

Parameters

collection	- The **Collection** (p. 1216) to be compared to this one.

Returns

true if this **Collection** (p. 1216) is equal to the one given.

Reimplemented from **decaf::util::AbstractCollection< E >** (p. 166).

6.796.3.7 template<typename E > virtual bool decaf::util::concurrent::SynchronousQueue< E >::isEmpty ( ) const [inline, virtual]

Returns true if this collection contains no elements.

This implementation returns **size()** (p. 3837) == 0.

Returns

true if the size method return 0.

Reimplemented from **decaf::util::AbstractCollection< E >** (p. 166).

6.796.3.8 template<typename E > virtual decaf::util::Iterator<E>* decaf::util::concurrent::SynchronousQueue< E >::iterator ( ) const [inline, virtual]

Implements **decaf::lang::Iterable< E >** (p. 2222).

6.796.3.9 template<typename E > virtual decaf::util::Iterator<E>* decaf::util::concurrent::SynchronousQueue< E >::iterator ( ) [inline, virtual]

Returns

an iterator over a set of elements of type T.

Implements **decaf::lang::Iterable< E >** (p. 2221).

6.796.3.10 template<typename E > virtual bool decaf::util::concurrent::SynchronousQueue< E >::offer (const E & *e*, long *timeout*, const TimeUnit & *unit*) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException) [inline, virtual]

Inserts the specified element into this queue, waiting if necessary up to the specified wait time for another thread to receive it.

Returns

`true` if successful, or `false` if the specified waiting time elapses before a consumer appears.

Exceptions

InterruptedException	Inserts the specified element into this queue, waiting up to the specified wait time if necessary for space to become available.
NullPointerException	Inserts the specified element into this queue, waiting up to the specified wait time if necessary for space to become available.
IllegalArgumentException	Inserts the specified element into this queue, waiting up to the specified wait time if necessary for space to become available.

Implements **decaf::util::concurrent::BlockingQueue**< **E** > (p. 853).

6.796.3.11 template<typename E > virtual bool decaf::util::concurrent::SynchronousQueue< E >::offer (const E & *value*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException) [inline, virtual]

Inserts the specified element into this queue, if another thread is waiting to receive it.

Parameters

value	the element to add to the **Queue** (p. 3239)

Returns

`true` if the element was added to this queue, else `false`

Exceptions

NullPointerException	if the **Queue** (p. 3239) implementation does not allow Null values to be inserted into the **Queue** (p. 3239).
IllegalArgumentException	if some property of the specified element prevents it from being added to this queue

Implements **decaf::util::Queue**< **E** > (p. 3241).

6.796.3.12 template<typename E > virtual bool decaf::util::concurrent::SynchronousQueue< E >::peek (E &result *DECAF_UNUSED*) const [inline, virtual]

6.796.3.13 template<typename E > virtual bool decaf::util::concurrent::SynchronousQueue< E >::poll (E & *result,* long long *timeout,* const TimeUnit & *unit*) throw (decaf::lang::exceptions::InterruptedException) [inline, virtual]

Retrieves and removes the head of this queue, waiting if necessary up to the specified wait time, for another thread to insert it.

Parameters

result	a reference to the value where the head of the **Queue** (p. 3239) should be copied to.
timeout	the time that the method should block if there is no element available to return.
unit	the Time Units that the timeout value represents.

Returns

true if the head of the **Queue** (p. 3239) was copied to the result param or false if no value could be returned.

Implements **decaf::util::concurrent::BlockingQueue< E >** (p. 854).

Referenced by decaf::util::concurrent::SynchronousQueue< E >::drainTo().

6.796.3.14 template<typename E > virtual bool decaf::util::concurrent::SynchronousQueue< E >::poll (E & *result*) [inline, virtual]

Retrieves and removes the head of this queue, if another thread is currently making an element available.

Parameters

result	a reference to the value where the head of the **Queue** (p. 3239) should be copied to.

Returns

true if the head of the **Queue** (p. 3239) was copied to the result param or false if no value could be returned.

Implements **decaf::util::Queue< E >** (p. 3242).

6.796.3.15 template<typename E > virtual void decaf::util::concurrent::SynchronousQueue< E >::put (const E & *value*) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException) [inline, virtual]

Adds the specified element to this queue, waiting if necessary for another thread to receive it.

Parameters

value	the element to add to the **Queue** (p. 3239).

Exceptions

InterruptedException	Inserts the specified element into this queue, waiting if necessary for space to become available.
NullPointerException	Inserts the specified element into this queue, waiting if necessary for space to become available.
IllegalArgumentException	Inserts the specified element into this queue, waiting if necessary for space to become available.

Implements **decaf::util::concurrent::BlockingQueue< E >** (p. 854).

6.796.3.16 template<typename E > virtual int decaf::util::concurrent::SynchronousQueue< E >::remainingCapacity ( ) const [inline, virtual]

Returns the number of additional elements that this queue can ideally (in the absence of memory or resource constraints) accept without blocking, or `Integer::MAX_VALUE` if there is no intrinsic limit.

Note that you *cannot* always tell if an attempt to insert an element will succeed by inspecting `remainingCapacity` because it may be the case that another thread is about to insert or remove an element.

Returns

the remaining capacity

Implements **decaf::util::concurrent::BlockingQueue< E >** (p. 855).

6.796.3.17 template<typename E > virtual bool decaf::util::concurrent::SynchronousQueue< E >::remove (const E &value *DECAF_UNUSED*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException) [inline, virtual]

6.796.3.18 template<typename E > virtual bool decaf::util::concurrent::SynchronousQueue< E >::removeAll (const Collection< E > &collection *DECAF_UNUSED*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException) [inline, virtual]

6.796.3.19 template<typename E > virtual bool decaf::util::concurrent::SynchronousQueue< E >::retainAll (const Collection< E > &collection *DECAF_UNUSED*) throw (lang::exceptions::UnsupportedOperationException, lang::exceptions::IllegalArgumentException) [inline, virtual]

6.796.3.20 template<typename E > virtual std::size_t decaf::util::concurrent::SynchronousQueue< E >::size ( ) const [inline, virtual]

Returns the number of elements in this collection.

If this collection contains more than Integer.MAX_VALUE elements, returns Integer.MAX_-VALUE.

Returns

the number of elements in this collection

Implements **decaf::util::Collection< E >** (p. 1226).

6.796.3.21 template<typename E > virtual E decaf::util::concurrent::SynchronousQueue< E >::take ( ) throw (decaf::lang::exceptions::InterruptedException) [inline, virtual]

Retrieves and removes the head of this queue, waiting if necessary for another thread to insert it.

Returns

the head of this queue

Exceptions

InterruptedException	Retrieves and removes the head of this queue, waiting if necessary until an element becomes available.

Implements **decaf::util::concurrent::BlockingQueue**< **E** > (p. 855).

6.796.3.22 template<typename E > virtual std::vector<E> decaf::util::concurrent::SynchronousQueue< E >::toArray ( ) const [inline, virtual]

Answers an STL vector containing copies of all elements contained in this **Collection** (p. 1216).

All the elements in the array will not be referenced by the collection. The elements in the returned array will be sorted to the same order as those returned by the iterator of this collection itself if the collection guarantees the order.

Returns

an vector of copies of all the elements from this **Collection** (p. 1216)

Reimplemented from **decaf::util::AbstractCollection**< **E** > (p. 170).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**SynchronousQueue.h**

6.797 decaf::lang::System Class Reference

The **System** (p. 3838) class provides static methods for accessing system level resources and performing some system dependent tasks such as looking up environment values and copying memory and arrays.

```
#include <src/main/decaf/lang/System.h>
```

Public Member Functions

- virtual ~**System** ()

Static Public Member Functions

- static void **arraycopy** (const unsigned char *src, std::size_t srcPos, unsigned char *dest, std::size_t destPos, std::size_t length)

  Copies the number of elements specified by length from the source array starting at the given source offset specified by srcPos to the dest array starting at the given destination offset given by destPos.

- static void **arraycopy** (const short *src, std::size_t srcPos, short *dest, std::size_t destPos, std::size_t length)

  Copies the number of elements specified by length from the source array starting at the given source offset specified by srcPos to the dest array starting at the given destination offset given by destPos.

- static void **arraycopy** (const int *src, std::size_t srcPos, int *dest, std::size_t destPos, std::size_t length)

  Copies the number of elements specified by length from the source array starting at the given source offset specified by srcPos to the dest array starting at the given destination offset given by destPos.

- static void **arraycopy** (const long long *src, std::size_t srcPos, long long *dest, std::size_t destPos, std::size_t length)

  Copies the number of elements specified by length from the source array starting at the given source offset specified by srcPos to the dest array starting at the given destination offset given by destPos.

- static const **util::Map**< std::string, std::string > & **getenv** ()

  Enumerates the system environment and returns a map of env variable names to the string values they hold.

- static std::string **getenv** (const std::string &name)

  Reads an environment value from the system and returns it as a string object.

- static void **unsetenv** (const std::string &name)

  Clears a set environment value if one is set.

- static void **setenv** (const std::string &name, const std::string &value)

  Sets the specified system property to the value given.

- static long long **currentTimeMillis** ()

  Returns the current time in milliseconds.

- static long long **nanoTime** ()

  Returns the current value of the most precise available system timer, in nanoseconds.

- static int **availableProcessors** ()

  Returns the number of processors available for execution of Decaf Threads.

- static **decaf::util::Properties** & **getProperties** ()

  Gets the Properties object that holds the Properties accessed from calls to getProperty and setProperty.

- static std::string **getProperty** (const std::string &key)

  *Gets the specified **System** (p. 3838) property if set, otherwise returns an empty string.*

- static std::string **getProperty** (const std::string &key, const std::string &defaultValue)

  *Gets the specified **System** (p. 3838) property if set, otherwise returns the specified default value.*

- static std::string **setProperty** (const std::string &key, const std::string &value)

  *Sets the **System** (p. 3838) Property to the specified value.*

- static std::string **clearProperty** (const std::string &key)

  Clear any value associated with the system property specified.

Protected Member Functions

- **System** ()

Friends

- class **decaf::lang::Runtime**

6.797.1 Detailed Description

The **System** (p. 3838) class provides static methods for accessing system level resources and performing some system dependent tasks such as looking up environment values and copying memory and arrays.

Since

1.0

6.797.2 Constructor & Destructor Documentation

6.797.2.1 decaf::lang::System::System ( ) [protected]

6.797.2.2 virtual decaf::lang::System::~System ( ) [inline, virtual]

6.797.3 Member Function Documentation

6.797.3.1 static void decaf::lang::System::arraycopy (const unsigned char * *src*, std::size_t *srcPos*, unsigned char * *dest*, std::size_t *destPos*, std::size_t *length*) [static]

Copies the number of elements specified by length from the source array starting at the given source offset specified by srcPos to the dest array starting at the given destination offset given by destPos.

Parameters

src	The source array to copy from.
srcPos	The position in the array to start copying from.
dest	The destination array to copy to.
destPos	The position in the destination array to start writing at.
length	The number of elements to copy from src to dest.

Exceptions

NullPointerException	if src or dest are NULL.

Referenced by decaf::lang::ArrayPointer< unsigned char >::clone().

6.797.3.2 static void decaf::lang::System::arraycopy (const short * *src*, std::size_t *srcPos*, short * *dest*, std::size_t *destPos*, std::size_t *length*) [static]

Copies the number of elements specified by length from the source array starting at the given source offset specified by srcPos to the dest array starting at the given destination offset given by destPos.

Parameters

src	The source array to copy from.
srcPos	The position in the array to start copying from.
dest	The destination array to copy to.
destPos	The position in the destination array to start writing at.
length	The number of elements to copy from src to dest.

Exceptions

NullPointerException	if src or dest are NULL.

6.797.3.3 static void decaf::lang::System::arraycopy (const long long * *src*, std::size_t *srcPos*, long long * *dest*, std::size_t *destPos*, std::size_t *length*) [static]

Copies the number of elements specified by length from the source array starting at the given source offset specified by srcPos to the dest array starting at the given destination offset given by destPos.

Parameters

src	The source array to copy from.
srcPos	The position in the array to start copying from.
dest	The destination array to copy to.
destPos	The position in the destination array to start writing at.
length	The number of elements to copy from src to dest.

Exceptions

NullPointerException	if src or dest are NULL.

6.797.3.4 static void decaf::lang::System::arraycopy (const int * *src*, std::size_t *srcPos*, int * *dest*, std::size_t *destPos*, std::size_t *length*) [static]

Copies the number of elements specified by length from the source array starting at the given source offset specified by srcPos to the dest array starting at the given destination offset given by destPos.

Parameters

src	The source array to copy from.
srcPos	The position in the array to start copying from.
dest	The destination array to copy to.
destPos	The position in the destination array to start writing at.
length	The number of elements to copy from src to dest.

Exceptions

NullPointerException	if src or dest are NULL.

6.797.3.5 static int decaf::lang::System::availableProcessors ( ) [static]

Returns the number of processors available for execution of Decaf Threads.

This value may change during a particular execution of a Decaf based application. Applications that are sensitive to the number of available processors should therefore occasionally poll this property and adjust their resource usage appropriately.

Returns

the number of available processors.

6.797.3.6 static std::string decaf::lang::System::clearProperty (const std::string & *key*) [static]

Clear any value associated with the system property specified.

Parameters

key	The key name of the system property to clear.

Returns

the previous value of the property named by key if there was one, otherwise returns an empty string.

Exceptions

IllegalArgumentException	if key is an empty string.

6.797.3.7 static long long decaf::lang::System::currentTimeMillis ( ) [static]

Returns the current time in milliseconds.

Note that while the unit of time of the return value is a millisecond, the granularity of the value depends on the underlying operating system and may be larger. For example, many operating systems measure time in units of tens of milliseconds.

See the description of the class Date for a discussion of slight discrepancies that may arise between "computer time" and coordinated universal time (UTC).

Returns

the difference, measured in milliseconds, between the current time and midnight, January 1, 1970 UTC.

6.797.3.8 static const util::Map<std::string, std::string>& decaf::lang::System::getenv ( ) [static]

Enumerates the system environment and returns a map of env variable names to the string values they hold.

Returns

A Map of all environment variables.

Exceptions

Exception *(p. 1886)*	if an error occurs while getting the Environment Map.

6.797.3.9 static std::string decaf::lang::System::getenv (const std::string & *name*) [static]

Reads an environment value from the system and returns it as a string object.

Parameters

name	The environment variable to read.

Returns

a string with the value from the variables or ""

Exceptions

an	**Exception** (p. 1886) if an error occurs while reading the Env.

6.797.3.10 static decaf::util::Properties& decaf::lang::System::getProperties ( ) [static]

Gets the Properties object that holds the Properties accessed from calls to getProperty and setProperty.

If the Properties has not yet been created or are not yet initialized then they will be on the first call to a Properties accessor.

Returns

a reference to the static system Properties object.

6.797.3.11 static std::string decaf::lang::System::getProperty (const std::string & *key*) [static]

Gets the specified **System** (p. 3838) property if set, otherwise returns an empty string.

If the Properties has not yet been created or are not yet initialized then they will be on the first call to a Properties accessor.

Parameters

key	The key name of the desired system property to retrieve.

Returns

an empty string if the named property is not set, otherwise returns the value.

Exceptions

IllegalArgumentException	if key is an empty string.

6.797.3.12 static std::string decaf::lang::System::getProperty (const std::string & *key,* const std::string & *defaultValue*) [static]

Gets the specified **System** (p. 3838) property if set, otherwise returns the specified default value.

If the Properties has not yet been created or are not yet initialized then they will be on the first call to a Properties accessor.

Parameters

key	The key name of the desired system property to retrieve.
defaultValue	The default value to return if the key is not set in the **System** (p. 3838) properties.

Returns

the value of the named system property or the defaultValue if the property isn't set..

Exceptions

IllegalArgumentException	if key is an empty string.

6.797.3.13 static long long decaf::lang::System::nanoTime ( ) [static]

Returns the current value of the most precise available system timer, in nanoseconds.

This method can only be used to measure elapsed time and is not related to any other notion of system or wall-clock time. The value returned represents nanoseconds since some fixed but arbitrary time (perhaps in the future, so values may be negative). This method provides nanosecond precision, but not necessarily nanosecond accuracy. No guarantees are made about how frequently values change. Differences in successive calls that span greater than approximately 292 years (263 nanoseconds) will not accurately compute elapsed time due to numerical overflow.

For example, to measure how long some code takes to execute:

long long startTime = **System::nanoTime()** (p. 3845); // ... the code being measured ... long long estimatedTime = **System::nanoTime()** (p. 3845) - startTime;

Returns

The current value of the system timer, in nanoseconds.

6.797.3.14 static void decaf::lang::System::setenv (const std::string & *name*, const std::string & *value*) [static]

Sets the specified system property to the value given.

Parameters

name	The name of the environment variables to set.
value	The value to assign to name.

Exceptions

an	**Exception** (p. 1886) if an error occurs when setting the environment variable.

6.797.3.15 static std::string decaf::lang::System::setProperty (const std::string & *key*, const std::string & *value*) [static]

Sets the **System** (p. 3838) Property to the specified value.

Parameters

key	The key name of the system property to set to the given value.
value	The value to assign to the key.

Returns

the previous value of the property named by key if there was one, otherwise returns an empty string.

Exceptions

IllegalArgumentException	if key is an empty string.

6.797.3.16 static void decaf::lang::System::unsetenv (const std::string & *name*) [static]

Clears a set environment value if one is set.

Parameters

name	The environment variables to clear.

Exceptions

an	**Exception** (p. 1886) if an error occurs while reading the environment.

6.797.4 Friends And Related Function Documentation

6.797.4.1 friend class decaf::lang::Runtime [friend]

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**System.h**

6.798 activemq::threads::Task Class Reference

Represents a unit of work that requires one or more iterations to complete.

```
#include <src/main/activemq/threads/Task.h>
```

Inheritance diagram for activemq::threads::Task:

Public Member Functions

- virtual ~**Task** ()
- virtual bool **iterate** ()=0

  Perform one iteration of work, returns true if the task needs to run again to complete or false to indicate that the task is now complete.

6.798.1 Detailed Description

Represents a unit of work that requires one or more iterations to complete.

Since

3.0

6.798.2 Constructor & Destructor Documentation

6.798.2.1 virtual activemq::threads::Task::~Task ( ) [inline, virtual]

6.798.3 Member Function Documentation

6.798.3.1 virtual bool activemq::threads::Task::iterate ( ) [pure virtual]

Perform one iteration of work, returns true if the task needs to run again to complete or false to indicate that the task is now complete.

Returns

true if the task should be run again or false if the task has completed and the runner should wait for a wakeup call.

Implemented in **activemq::core::ActiveMQSessionExecutor** (p. 535), **activemq::threads::CompositeTaskRunner** (p. 1257), **activemq::transport::failover::BackupTransportPool** (p. 764), **activemq::transport::failover::CloseTranspo** (p. 1183), and **activemq::transport::failover::FailoverTransport** (p. 1937).

The documentation for this class was generated from the following file:

- src/main/activemq/threads/**Task.h**

6.799 decaf::util::concurrent::TaskListener Class Reference

```
#include <src/main/decaf/util/concurrent/TaskListener.h>
```

Public Member Functions

- virtual ∼**TaskListener** ()
- virtual void **onTaskComplete** (**lang::Runnable** ∗task)=0

  Called when a queued task has completed, the task that finished is passed along for user consumption.

- virtual void **onTaskException** (**lang::Runnable** ∗task, **lang::Exception** &ex)=0

  Called when a queued task has thrown an exception while being run.

6.799.1 Constructor & Destructor Documentation

6.799.1.1 virtual decaf::util::concurrent::TaskListener::∼TaskListener ( ) [inline, virtual]

6.799.2 Member Function Documentation

6.799.2.1 virtual void decaf::util::concurrent::TaskListener::onTaskComplete (lang::Runnable ∗ *task*) [pure virtual]

Called when a queued task has completed, the task that finished is passed along for user consumption.

Parameters

task	Runnable Pointer to the task that finished

6.799.2.2 virtual void decaf::util::concurrent::TaskListener::onTaskException (lang::Runnable ∗ *task,* lang::Exception & *ex*) [pure virtual]

Called when a queued task has thrown an exception while being run.

The Callee should assume that this was an unrecoverable exeption and that this task is now defunct.

Parameters

task	Runnable Pointer to the task
ex	The ActiveMQException that was thrown.

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**TaskListener.h**

6.800 activemq::threads::TaskRunner Class Reference

`#include <src/main/activemq/threads/TaskRunner.h>`

Inheritance diagram for activemq::threads::TaskRunner:

Public Member Functions

- virtual ~**TaskRunner** ()
- virtual void **shutdown** (unsigned int timeout)=0

  Shutdown after a timeout, does not guarantee that the task's iterate method has completed and the thread halted.

- virtual void **shutdown** ()=0

  Shutdown once the task has finished and the TaskRunner's thread has exited.

- virtual void **wakeup** ()=0

  *Signal the **TaskRunner** (p. 3849) to wakeup and execute another iteration cycle on the task, the **Task** (p. 3846) instance will be run until its iterate method has returned false indicating it is done.*

6.800.1 Constructor & Destructor Documentation

6.800.1.1 virtual activemq::threads::TaskRunner::~TaskRunner ( ) [inline, virtual]

6.800.2 Member Function Documentation

6.800.2.1 virtual void activemq::threads::TaskRunner::shutdown (unsigned int *timeout*) [pure virtual]

Shutdown after a timeout, does not guarantee that the task's iterate method has completed and the thread halted.

Parameters

timeout	- Time in Milliseconds to wait for the task to stop.

Implemented in **activemq::threads::CompositeTaskRunner** (p. 1258), and **activemq::threads::DedicatedTaskRunner** (p. 1726).

6.800.2.2 virtual void activemq::threads::TaskRunner::shutdown ( ) [pure virtual]

Shutdown once the task has finished and the TaskRunner's thread has exited.

Implemented in **activemq::threads::CompositeTaskRunner** (p. 1258), and **activemq::threads::DedicatedTas**
(p. 1725).

6.800.2.3 virtual void activemq::threads::TaskRunner::wakeup ( ) [pure virtual]

Signal the **TaskRunner** (p. 3849) to wakeup and execute another iteration cycle on the task, the **Task** (p. 3846) instance will be run until its iterate method has returned false indicating it is done.

Implemented in **activemq::threads::CompositeTaskRunner** (p. 1258), and **activemq::threads::DedicatedTas**
(p. 1726).

The documentation for this class was generated from the following file:

- src/main/activemq/threads/**TaskRunner.h**

6.801 decaf::internal::net::tcp::TcpSocket Class Reference

Platform-independent implementation of the socket interface.

`#include <src/main/decaf/internal/net/tcp/TcpSocket.h>`

Inheritance diagram for decaf::internal::net::tcp::TcpSocket:

Public Member Functions

- **TcpSocket** () throw (decaf::net::SocketException)

  Construct a non-connected socket.

- virtual ~**TcpSocket** ()

  Releases the socket handle but not gracefully shut down the connection.

- SocketHandle **getSocketHandle** ()

  Gets the handle for the socket.

- bool **isConnected** () const
- bool **isClosed** () const
- virtual std::string **getLocalAddress** () const

  *Gets the value of the local Inet address the **Socket** (p. 3607) is bound to if bound, otherwise return the **InetAddress** (p. 2077) ANY value "0.0.0.0".*

  Returns

  the local address bound to, or ANY.

- virtual void **create** () throw (decaf::io::IOException)

*Creates the underlying platform **Socket** (p. 3607) data structures which allows for **Socket** (p. 3607) options to be applied.*
The created socket is in an unconnected state.
Exceptions

IOException	*if an I/O error occurs while attempting this operation.*

- virtual void **accept** (SocketImpl *socket) throw (decaf::io::IOException)

- virtual void **bind** (const std::string &ipaddress, int **port**) throw (decaf::io::IOException)

  *Binds this **Socket** (p. 3607) instance to the local ip address and port number given.*
  Parameters

ipaddress	*The address of local ip to bind to.*
port	*The port number on the host to bind to.*

  Exceptions

IOException	*if an I/O error occurs while attempting this operation.*

- virtual void **connect** (const std::string &hostname, int **port**, int timeout) throw (decaf::io::IOException, decaf::net::SocketException, decaf::lang::exceptions::IllegalArgumentException)

  Connects this socket to the given host and port.
  Parameters

hostname	*The name of the host to connect to, or IP address.*
port	*The port number on the host to connect to.*
timeout	*Time in milliseconds to wait for a connection, 0 indicates forever.*

  Exceptions

IOException	*if an I/O error occurs while attempting this operation.*
SocketTimeoutException (p. 3650)	*if the connect call times out due to timeout being set.*
IllegalArguementException	*if a parameter has an illegal value.*

- virtual void **listen** (int backlog) throw (decaf::io::IOException)

  Sets the maximum queue length for incoming connection indications (a request to connect) to the count argument.
  If a connection indication arrives when the queue is full, the connection is refused.
  Parameters

backlog	*The maximum length of the connection queue.*

  Exceptions

IOException	*if an I/O error occurs while attempting this operation.*

- virtual **decaf::io::InputStream** ∗ **getInputStream** () throw (decaf::io::IOException)

  *Gets the InputStream linked to this **Socket** (p. 3607).*

  Returns

  *an InputStream pointer owned by the **Socket** (p. 3607) object.*

  Exceptions

IOException	*if an I/O error occurs while attempting this operation.*

- virtual **decaf::io::OutputStream** ∗ **getOutputStream** () throw (decaf::io::IOException)

  *Gets the OutputStream linked to this **Socket** (p. 3607).*

  Returns

  *an OutputStream pointer owned by the **Socket** (p. 3607) object.*

  Exceptions

IOException	*if an I/O error occurs while attempting this operation.*

- virtual int **available** () throw (decaf::io::IOException)

  *Gets the number of bytes that can be read from the **Socket** (p. 3607) without blocking.*

  Returns

  *the number of bytes that can be read from the **Socket** (p. 3607) without blocking.*

  Exceptions

IOException	*if an I/O error occurs while attempting this operation.*

- virtual void **close** () throw (decaf::io::IOException)

  Closes the socket, terminating any blocked reads or writes.

  Exceptions

IOException	*if an I/O error occurs while attempting this operation.*

- virtual void **shutdownInput** () throw (decaf::io::IOException)

  Places the input stream for this socket at "end of stream".
  *Any data sent to this socket is acknowledged and then silently discarded. If you read from a socket input stream after invoking **shutdownInput()** (p. 3643) on the socket, the stream will return EOF.*

  Exceptions

IOException	*if an I/O error occurs while attempting this operation.*

- virtual void **shutdownOutput** () throw (decaf::io::IOException)

  Disables the output stream for this socket.
  For a TCP socket, any previously written data will be sent followed by TCP's normal connection termination sequence. If you write to a socket output stream after invoking

shutdownOutput() *(p. 3643) on the socket, the stream will throw an IOException.*

Exceptions

IOException	*if an I/O error occurs while attempting this operation.*

- virtual int **getOption** (int option) const throw (decaf::io::IOException)

  *Gets the specified **Socket** (p. 3607) option.*

  Parameters

option	*The **Socket** (p. 3607) options whose value is to be retrieved.*

  Returns

  the value of the given socket option.

  Exceptions

IOException	*if an I/O error occurs while performing this operation.*

- virtual void **setOption** (int option, int value) throw (decaf::io::IOException)

  *Sets the specified option on the **Socket** (p. 3607) if supported.*

  Parameters

option	*The **Socket** (p. 3607) option to set.*
value	*The value of the socket option to apply to the socket.*

  Exceptions

IOException	*if an I/O error occurs while performing this operation.*

- int **read** (unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  Reads the requested data from the Socket and write it into the passed in buffer.

- void **write** (const unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

  Writes the specified data in the passed in buffer to the Socket.

Protected Member Functions

- void **checkResult** (apr_status_t value) const throw (decaf::net::SocketException)

6.801.1 Detailed Description

Platform-independent implementation of the socket interface.

6.801.2 Constructor & Destructor Documentation

6.801.2.1 decaf::internal::net::tcp::TcpSocket::TcpSocket ( ) throw (decaf::net::SocketException)

Construct a non-connected socket.

Exceptions

SocketException	thrown if an error occurs while creating the Socket.

6.801.2.2 virtual decaf::internal::net::tcp::TcpSocket::~TcpSocket ( ) [virtual]

Releases the socket handle but not gracefully shut down the connection.

6.801.3 Member Function Documentation

6.801.3.1 virtual void decaf::internal::net::tcp::TcpSocket::accept (SocketImpl * *socket*) throw (decaf::io::IOException) [virtual]

6.801.3.2 virtual int decaf::internal::net::tcp::TcpSocket::available ( ) throw (decaf::io::IOException) [virtual]

Gets the number of bytes that can be read from the **Socket** (p. 3607) without blocking.

Returns

the number of bytes that can be read from the **Socket** (p. 3607) without blocking.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implements **decaf::net::SocketImpl** (p. 3638).

6.801.3.3 virtual void decaf::internal::net::tcp::TcpSocket::bind (const std::string & *ipaddress*, int *port*) throw (decaf::io::IOException) [virtual]

Binds this **Socket** (p. 3607) instance to the local ip address and port number given.

Parameters

ipaddress	The address of local ip to bind to.
port	The port number on the host to bind to.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implements **decaf::net::SocketImpl** (p. 3638).

6.801.3.4 void decaf::internal::net::tcp::TcpSocket::checkResult (apr_status_t *value*) const throw (**decaf::net::SocketException**) [protected]

6.801.3.5 virtual void decaf::internal::net::tcp::TcpSocket::close ( ) throw (**decaf::io::IOException**) [virtual]

Closes the socket, terminating any blocked reads or writes.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implements **decaf::net::SocketImpl** (p. 3639).

6.801.3.6 virtual void decaf::internal::net::tcp::TcpSocket::connect (const std::string & *hostname,* int *port,* int *timeout*) throw (**decaf::io::IOException**, **decaf::net::SocketException**, **decaf::lang::exceptions::IllegalArgumentException**) [virtual]

Connects this socket to the given host and port.

Parameters

hostname	The name of the host to connect to, or IP address.
port	The port number on the host to connect to.
timeout	Time in milliseconds to wait for a connection, 0 indicates forever.

Exceptions

IOException	if an I/O error occurs while attempting this operation.
SocketTimeoutException *(p. 3650)*	if the connect call times out due to timeout being set.
IllegalArguementException	if a parameter has an illegal value.

Implements **decaf::net::SocketImpl** (p. 3639).

6.801.3.7 virtual void decaf::internal::net::tcp::TcpSocket::create ( ) throw (**decaf::io::IOException**) [virtual]

Creates the underlying platform **Socket** (p. 3607) data structures which allows for **Socket** (p. 3607) options to be applied.

The created socket is in an unconnected state.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implements **decaf::net::SocketImpl** (p. 3640).

6.801.3.8 virtual decaf::io::InputStream* decaf::internal::net::tcp::TcpSocket::getInputStream ( ) throw (decaf::io::IOException) [virtual]

Gets the InputStream linked to this **Socket** (p. 3607).

Returns

an InputStream pointer owned by the **Socket** (p. 3607) object.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implements **decaf::net::SocketImpl** (p. 3640).

6.801.3.9 virtual std::string decaf::internal::net::tcp::TcpSocket::getLocalAddress ( ) const [virtual]

Gets the value of the local Inet address the **Socket** (p. 3607) is bound to if bound, otherwise return the **InetAddress** (p. 2077) ANY value "0.0.0.0".

Returns

the local address bound to, or ANY.

Implements **decaf::net::SocketImpl** (p. 3641).

6.801.3.10 virtual int decaf::internal::net::tcp::TcpSocket::getOption (int *option*) const throw (decaf::io::IOException) [virtual]

Gets the specified **Socket** (p. 3607) option.

Parameters

option	The **Socket** (p. 3607) options whose value is to be retrieved.

Returns

the value of the given socket option.

Exceptions

IOException	if an I/O error occurs while performing this operation.

Implements **decaf::net::SocketImpl** (p. 3641).

6.801.3.11 virtual decaf::io::OutputStream* decaf::internal::net::tcp::TcpSocket::getOutputStream ( ) throw (decaf::io::IOException) [virtual]

Gets the OutputStream linked to this **Socket** (p. 3607).

Returns

an OutputStream pointer owned by the **Socket** (p. 3607) object.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implements **decaf::net::SocketImpl** (p. 3641).

6.801.3.12 SocketHandle decaf::internal::net::tcp::TcpSocket::getSocketHandle ( ) [inline]

Gets the handle for the socket.

Returns

SocketHabler for this Socket, can be NULL

6.801.3.13 bool decaf::internal::net::tcp::TcpSocket::isClosed ( ) const [inline]

Returns

true if the close method has been called on this Socket.

6.801.3.14 bool decaf::internal::net::tcp::TcpSocket::isConnected ( ) const [inline]

Returns

true if the socketHandle is not in a disconnected state.

6.801.3.15 virtual void decaf::internal::net::tcp::TcpSocket::listen (int *backlog*) throw (decaf::io::IOException) [virtual]

Sets the maximum queue length for incoming connection indications (a request to connect) to the count argument.

If a connection indication arrives when the queue is full, the connection is refused.

Parameters

backlog	The maximum length of the connection queue.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implements **decaf::net::SocketImpl** (p. 3642).

6.801.3.16 int decaf::internal::net::tcp::TcpSocket::read (unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

Reads the requested data from the Socket and write it into the passed in buffer.

Parameters

buffer	The buffer to read into
size	The size of the specified buffer
offset	The offset into the buffer where reading should start filling.
length	The number of bytes past offset to fill with data.

Returns

the actual number of bytes read or -1 if at EOF.

Exceptions

IOException	if an I/O error occurs during the read.
NullPointerException	if buffer is Null.
IndexOutOfBoundsException	if offset + length is greater than buffer size.

6.801.3.17 virtual void decaf::internal::net::tcp::TcpSocket::setOption (int *option,* int *value*) throw (decaf::io::IOException) [virtual]

Sets the specified option on the **Socket** (p. 3607) if supported.

Parameters

option	The **Socket** (p. 3607) option to set.
value	The value of the socket option to apply to the socket.

Exceptions

IOException	if an I/O error occurs while performing this operation.

Implements **decaf::net::SocketImpl** (p. 3643).

6.801.3.18 virtual void decaf::internal::net::tcp::TcpSocket::shutdownInput ( ) throw (decaf::io::IOException) [virtual]

Places the input stream for this socket at "end of stream".

Any data sent to this socket is acknowledged and then silently discarded. If you read from a socket input stream after invoking **shutdownInput**() (p. 3643) on the socket, the stream will return EOF.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implements **decaf::net::SocketImpl** (p. 3643).

6.801.3.19 virtual void decaf::internal::net::tcp::TcpSocket::shutdownOutput ( ) throw (decaf::io::IOException) [virtual]

Disables the output stream for this socket.

For a TCP socket, any previously written data will be sent followed by TCP's normal connection termination sequence. If you write to a socket output stream after invoking **shutdownOutput**() (p. 3643) on the socket, the stream will throw an IOException.

Exceptions

IOException	if an I/O error occurs while attempting this operation.

Implements **decaf::net::SocketImpl** (p. 3643).

6.801.3.20 void decaf::internal::net::tcp::TcpSocket::write (const unsigned char * *buffer*, int *size*, int *offset*, int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

Writes the specified data in the passed in buffer to the Socket.

Parameters

buffer	The buffer to write to the socket.
size	The size of the specified buffer.
offset	The offset into the buffer where the data to write starts at.
length	The number of bytes past offset to write.

Exceptions

IOException	if an I/O error occurs during the write.

NullPointerException	if buffer is Null.
IndexOutOfBoundsException	if offset + length is greater than buffer size.

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/tcp/**TcpSocket.h**

6.802 decaf::internal::net::tcp::TcpSocketInputStream Class Reference

Input stream for performing reads on a socket.

`#include <src/main/decaf/internal/net/tcp/TcpSocketInputStream.h>`

Inheritance diagram for decaf::internal::net::tcp::TcpSocketInputStream:

Public Member Functions

- **TcpSocketInputStream** (**TcpSocket** ∗socket)

  Create a new InputStream to use for reading from the TCP/IP socket.

- virtual ∼**TcpSocketInputStream** ()
- virtual int **available** () const throw (decaf::io::IOException)

  Indicates the number of bytes available.
  The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.
  The default implementation of this method returns zero.

  Returns

  the number of bytes available on this input stream.

  Exceptions

IOException (p. 2210)	*if an I/O error occurs.*

- virtual void **close** () throw (decaf::io::IOException)

  Close - does nothing.

- virtual long long **skip** (long long num) throw (decaf::io::IOException, decaf::lang::exceptions::Unsupporte
)

  Not supported.

Protected Member Functions

- virtual int **doReadByte** () throw (io::IOException)
- virtual int **doReadArrayBounded** (unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException)

6.802.1 Detailed Description

Input stream for performing reads on a socket. This class will only work properly for blocking sockets.

Since

1.0

6.802.2 Constructor & Destructor Documentation

6.802.2.1 decaf::internal::net::tcp::TcpSocketInputStream::TcpSocketInputStream (TcpSocket ∗ *socket*)

Create a new InputStream to use for reading from the TCP/IP socket.

Parameters

socket	The parent SocketImpl for this stream.

6.802.2.2 virtual decaf::internal::net::tcp::TcpSocketInputStream::∼TcpSocketInputStream ( ) [virtual]

6.802.3 Member Function Documentation

6.802.3.1 virtual int decaf::internal::net::tcp::TcpSocketInputStream::available ( ) const throw (decaf::io::IOException) [virtual]

Indicates the number of bytes available.

The default implementation of this methods returns 0. Classes that override this method may return the total number of bytes that are currently available for reading and others may simply return a value of one indicating that there is some data avaiable. The caller should view the result of this method as an absolute.

The default implementation of this method returns zero.

Returns

the number of bytes available on this input stream.

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.

Reimplemented from **decaf::io::InputStream** (p. 2107).

6.802.3.2 virtual void decaf::internal::net::tcp::TcpSocketInputStream::close ( ) throw (decaf::io::IOException) [virtual]

Close - does nothing.

It is the responsibility of the owner of the socket object to close it.

Closes the **InputStream** (p. 2105) freeing any resources that might have been aquired during the lifetime of this stream.

The default implementation of this method does nothing.

Reimplemented from **decaf::io::InputStream** (p. 2108).

6.802.3.3 virtual int decaf::internal::net::tcp::TcpSocketInputStream::doReadArrayBounded (unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException, decaf::lang::exceptions::NullPointerException) [protected, virtual]

Reimplemented from **decaf::io::InputStream** (p. 2108).

6.802.3.4 virtual int decaf::internal::net::tcp::TcpSocketInputStream::doReadByte ( ) throw (io::IOException) [protected, virtual]

Implements **decaf::io::InputStream** (p. 2109).

6.802.3.5 virtual long long decaf::internal::net::tcp::TcpSocketInputStream::skip (long long *num*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [virtual]

Not supported.

Skips over and discards n bytes of data from this input stream.

The skip method may, for a variety of reasons, end up skipping over some smaller number of bytes, possibly 0. This may result from any of a number of conditions;

reaching end of file before n bytes have been skipped is only one possibility. The actual number of bytes skipped is returned.

The skip method of **InputStream** (p. 2105) creates a byte array and then repeatedly reads into it until num bytes have been read or the end of the stream has been reached. Subclasses are encouraged to provide a more efficient implementation of this method.

Parameters

num	The number of bytes to skip.

Returns

total bytes skipped

Exceptions

IOException *(p. 2210)*	if an I/O error occurs.
UnsupportedOperationException	if the concrete stream class does not support skipping bytes.

Reimplemented from **decaf::io::InputStream** (p. 2113).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/tcp/**TcpSocketInputStream.h**

6.803 decaf::internal::net::tcp::TcpSocketOutputStream Class Reference

Output stream for performing write operations on a socket.

```
#include <src/main/decaf/internal/net/tcp/TcpSocketOutputStream.h>
```

Inheritance diagram for decaf::internal::net::tcp::TcpSocketOutputStream:

Public Member Functions

- **TcpSocketOutputStream** (**TcpSocket** ∗socket)

  Create a new instance of a Socket OutputStream class.

- virtual ∼**TcpSocketOutputStream** ()
- virtual void **close** () throw (decaf::io::IOException)

  Closes this object and deallocates the appropriate resources.
  The object is generally no longer usable after calling close.
  Exceptions

IOException (p. 2210)	*if an error occurs while closing.*

The default implementation of this method does nothing.

Protected Member Functions

- virtual void **doWriteByte** (unsigned char c) throw (decaf::io::IOException)
- virtual void **doWriteArrayBounded** (const unsigned char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

6.803.1 Detailed Description

Output stream for performing write operations on a socket.

Since

1.0

6.803.2 Constructor & Destructor Documentation

6.803.2.1 decaf::internal::net::tcp::TcpSocketOutputStream::TcpSocketOutputStream (TcpSocket ∗ *socket*)

Create a new instance of a Socket OutputStream class.

Parameters

socket	The socket to use to write out the data.

6.803.2.2 virtual decaf::internal::net::tcp::TcpSocketOutputStream::∼TcpSocketOutputStream ( ) [virtual]

6.803.3 Member Function Documentation

6.803.3.1 virtual void decaf::internal::net::tcp::TcpSocketOutputStream::close ( ) throw (decaf::io::IOException) [virtual]

Closes this object and deallocates the appropriate resources.

The object is generally no longer usable after calling close.

Exceptions

IOException *(p. 2210)*	if an error occurs while closing.

The default implementation of this method does nothing.

The default implementation of this method does nothing.

Reimplemented from **decaf::io::OutputStream** (p. 2993).

6.803.3.2 virtual void decaf::internal::net::tcp::TcpSocketOutputStream::doWriteArrayBounded (const unsigned char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [protected, virtual]

Reimplemented from **decaf::io::OutputStream** (p. 2994).

6.803.3.3 virtual void decaf::internal::net::tcp::TcpSocketOutputStream::doWriteByte (unsigned char *c*) throw (decaf::io::IOException) [protected, virtual]

Implements **decaf::io::OutputStream** (p. 2994).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/tcp/**TcpSocketOutputStream.h**

6.804 activemq::transport::tcp::TcpTransport Class Reference

Implements a TCP/IP based transport filter, this transport is meant to wrap an instance of an **IOTransport** (p. 2213).

`#include <src/main/activemq/transport/tcp/TcpTransport.h>`

Inheritance diagram for activemq::transport::tcp::TcpTransport:

Public Member Functions

- **TcpTransport** (const **Pointer**< **Transport** > &**next**)

  *Creates a new instance of a **TcpTransport** (p. 3865), the transport is left unconnected and is in a unusable state until the connect method is called.*

- virtual ~**TcpTransport** ()
- void **connect** (const **decaf::net::URI** &uri, const **decaf::util::Properties** &properties)

  Creates a Socket and configures it before attempting to connect to the location specified by the URI passed in.

- virtual void **close** () throw (decaf::io::IOException)

  Delegates to the superclass and then closes the socket.

- virtual bool **isFaultTolerant** () const

  *Is this **Transport** (p. 3996) fault tolerant, meaning that it will reconnect to a broker on disconnect.*

- virtual bool **isConnected** () const

  *Is the **Transport** (p. 3996) Connected to its Broker.*

- virtual bool **isClosed** () const

  *Has the **Transport** (p. 3996) been shutdown and no longer usable.*

Protected Member Functions

- virtual **decaf::net::Socket** ∗ **createSocket** ()

  Create an unconnected Socket instance to be used by the transport to communicate with the broker.

- virtual void **configureSocket** (**decaf::net::Socket** ∗socket, const **decaf::util::Properties** &properties)

  Using options from configuration URI, configure the socket options before the Socket instance is connected to the Server.

6.804.1 Detailed Description

Implements a TCP/IP based transport filter, this transport is meant to wrap an instance of an **IOTransport** (p. 2213). The lower level transport should take care of managing stream reads and writes.

6.804.2 Constructor & Destructor Documentation

6.804.2.1 activemq::transport::tcp::TcpTransport::TcpTransport (const Pointer< Transport > & *next*)

Creates a new instance of a **TcpTransport** (p. 3865), the transport is left unconnected and is in a unusable state until the connect method is called.

Parameters

next	The next transport in the chain

6.804.2.2 virtual activemq::transport::tcp::TcpTransport::~TcpTransport ( ) [virtual]

6.804.3 Member Function Documentation

6.804.3.1 virtual void activemq::transport::tcp::TcpTransport::close ( ) throw (decaf::io::IOException) [virtual]

Delegates to the superclass and then closes the socket.

Exceptions

IOException	if errors occur.

Reimplemented from **activemq::transport::TransportFilter** (p. 4007).

6.804.3.2 virtual void activemq::transport::tcp::TcpTransport::configureSocket (decaf::net::Socket * *socket,* const decaf::util::Properties & *properties*) [protected, virtual]

Using options from configuration URI, configure the socket options before the Socket instance is connected to the Server.

Subclasses can override this option to set more configuration options, they should called the base class version to allow the default set of Socket options to also be configured.

Parameters

socket	The Socket instance to configure using options from the given Properties.

Exceptions

NullPointerException	if the Socket instance is null.
IllegalArgumentException	if the socket instance is not handled by the class.
SocketException	if there is an error while setting one of the Socket options.

6.804.3.3 void activemq::transport::tcp::TcpTransport::connect (const decaf::net::URI & *uri,* const decaf::util::Properties & *properties*)

Creates a Socket and configures it before attempting to connect to the location specified by the URI passed in.

The Socket is configured using parameters in the properties that are passed to this method.

Parameters

uri	The URI that the **Transport** (p. 3996) is to connect to once initialized.

properties	The Properties that have been parsed from the URI or from configuration files.

6.804.3.4 virtual decaf::net::Socket* activemq::transport::tcp::TcpTransport::createSocket ( ) [protected, virtual]

Create an unconnected Socket instance to be used by the transport to communicate with the broker.

Returns

a newly created unconnected Socket instance.

Exceptions

IOException	if there is an error while creating the unconnected Socket.

Reimplemented in **activemq::transport::tcp::SslTransport** (p. 3683).

6.804.3.5 virtual bool activemq::transport::tcp::TcpTransport::isClosed ( ) const [inline, virtual]

Has the **Transport** (p. 3996) been shutdown and no longer usable.

Returns

true if the **Transport** (p. 3996)

Reimplemented from **activemq::transport::TransportFilter** (p. 4008).

6.804.3.6 virtual bool activemq::transport::tcp::TcpTransport::isConnected ( ) const [inline, virtual]

Is the **Transport** (p. 3996) Connected to its Broker.

Returns

true if a connection has been made.

Reimplemented from **activemq::transport::TransportFilter** (p. 4008).

6.804.3.7 virtual bool activemq::transport::tcp::TcpTransport::isFaultTolerant ( ) const [inline, virtual]

Is this **Transport** (p. 3996) fault tolerant, meaning that it will reconnect to a broker on disconnect.

Returns

true if the **Transport** (p. 3996) is fault tolerant.

Reimplemented from **activemq::transport::TransportFilter** (p. 4009).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/tcp/**TcpTransport.h**

6.805 activemq::transport::tcp::TcpTransportFactory Class Reference

Factory Responsible for creating the **TcpTransport** (p. 3865).

`#include <src/main/activemq/transport/tcp/TcpTransportFactory.h>`

Inheritance diagram for activemq::transport::tcp::TcpTransportFactory:

Public Member Functions

- virtual ~**TcpTransportFactory** ()
- virtual **Pointer**< **Transport** > **create** (const **decaf::net::URI** &location) throw (exceptions::ActiveMQException)

  *Creates a fully configured **Transport** (p. 3996) instance which could be a chain of filters and transports.*

- virtual **Pointer**< **Transport** > **createComposite** (const **decaf::net::URI** &location) throw (exceptions::ActiveMQException)

  *Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.*

Protected Member Functions

- virtual **Pointer**< **Transport** > **doCreateComposite** (const **decaf::net::URI** &location, const **Pointer**< **wireformat::WireFormat** > &wireFormat, const **decaf::util::Properties** &properties) throw (exceptions::ActiveMQException)

  *Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.*

6.805.1 Detailed Description

Factory Responsible for creating the **TcpTransport** (p. 3865).

6.805.2 Constructor & Destructor Documentation

6.805.2.1 virtual activemq::transport::tcp::TcpTransportFactory::~TcpTransportFactory ( ) [inline, virtual]

6.805.3 Member Function Documentation

6.805.3.1 virtual Pointer<Transport> activemq::transport::tcp::TcpTransportFactory::create (const decaf::net::URI & *location*) throw (exceptions::ActiveMQException) [virtual]

Creates a fully configured **Transport** (p. 3996) instance which could be a chain of filters and transports.

Parameters

location	- URI location to connect to plus any properties to assign.

Exceptions

ActiveMQexception	if an error occurs

Implements **activemq::transport::TransportFactory** (p. 4003).

6.805.3.2 virtual Pointer<Transport> activemq::transport::tcp::TcpTransportFactory::createComposite (const decaf::net::URI & *location*) throw (exceptions::ActiveMQException) [virtual]

Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.

Parameters

location	- URI location to connect to plus any properties to assign.

Exceptions

ActiveMQexception	if an error occurs

Implements **activemq::transport::TransportFactory** (p. 4004).

6.805.3.3 virtual Pointer<Transport> activemq::transport::tcp::TcpTransportFactory::doCreateComposite (const decaf::net::URI & *location*, const Pointer< wireformat::WireFormat > & *wireFormat*, const decaf::util::Properties & *properties*) throw (exceptions::ActiveMQException) [protected, virtual]

Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.

Parameters

location	- URI location to connect to.
wireFormat	- the assigned WireFormat for the new **Transport** (p. 3996).
properties	- Properties to apply to the transport.

Returns

new Pointer to a **TcpTransport** (p. 3865).

Exceptions

ActiveMQexception	if an error occurs

Reimplemented in **activemq::transport::tcp::SslTransportFactory** (p. 3685).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/tcp/**TcpTransportFactory.h**

6.806 cms::TemporaryQueue Class Reference

Defines a Temporary **Queue** (p. 3238) based **Destination** (p. 1776).

`#include <src/main/cms/TemporaryQueue.h>`

Inheritance diagram for cms::TemporaryQueue:

Public Member Functions

- virtual ~**TemporaryQueue** ()
- virtual std::string **getQueueName** () const =0 throw (CMSException)

  Gets the name of this queue.

- virtual void **destroy** ()=0 throw (CMSException)

  *Destroy's the Temporary **Destination** (p. 1776) at the Provider.*

6.806.1 Detailed Description

Defines a Temporary **Queue** (p. 3238) based **Destination** (p. 1776). A **TemporaryQueue** (p. 3871) is a special type of **Queue** (p. 3238) **Destination** (p. 1776) that can only be consumed from the **Connection** (p. 1296) which created it. TemporaryQueues are most commonly used as the reply to address for Message's that implement the request response pattern.

A **TemporaryQueue** (p. 3871) is guaranteed to exist at the Provider only for the lifetime of the **Connection** (p. 1296) that created it.

Since

1.0

6.806.2 Constructor & Destructor Documentation

6.806.2.1 virtual cms::TemporaryQueue::~TemporaryQueue ( ) [inline, virtual]

6.806.3 Member Function Documentation

6.806.3.1 virtual void cms::TemporaryQueue::destroy ( ) throw (CMSException) [pure virtual]

Destroy's the Temporary **Destination** (p. 1776) at the Provider.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQTempQueue** (p. 609).

6.806.3.2 virtual std::string cms::TemporaryQueue::getQueueName ( ) const throw (CMSException) [pure virtual]

Gets the name of this queue.

Returns

The queue name.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQTempQueue** (p. 610).

The documentation for this class was generated from the following file:

- src/main/cms/**TemporaryQueue.h**

6.807 cms::TemporaryTopic Class Reference

Defines a Temporary **Topic** (p. 3930) based **Destination** (p. 1776).

`#include <src/main/cms/TemporaryTopic.h>`

Inheritance diagram for cms::TemporaryTopic:

Public Member Functions

- virtual ∼**TemporaryTopic** ()
- virtual std::string **getTopicName** () const =0 throw (CMSException)

  Gets the name of this topic.

- virtual void **destroy** ()=0 throw (CMSException)

  *Destroy's the Temporary **Destination** (p. 1776) at the Provider.*

6.807.1 Detailed Description

Defines a Temporary **Topic** (p. 3930) based **Destination** (p. 1776). A **TemporaryTopic** (p. 3873) is a special type of **Topic** (p. 3930) **Destination** (p. 1776) that can only be consumed from the **Connection** (p. 1296) which created it. TemporaryTopics are most commonly used as the reply to address for Message's that implement the request response pattern.

A **TemporaryTopic** (p. 3873) is guaranteed to exist at the Provider only for the lifetime of the **Connection** (p. 1296) that created it.

Since

1.0

6.807.2 Constructor & Destructor Documentation

6.807.2.1 virtual cms::TemporaryTopic::∼TemporaryTopic ( ) `[inline, virtual]`

6.807.3 Member Function Documentation

6.807.3.1 virtual void cms::TemporaryTopic::destroy ( ) throw (CMSException) `[pure virtual]`

Destroy's the Temporary **Destination** (p. 1776) at the Provider.

Exceptions

CMSException *(p. 1190)*	

Implemented in **activemq::commands::ActiveMQTempTopic** (p. 639).

6.807.3.2 virtual std::string cms::TemporaryTopic::getTopicName ( ) const throw (CMSException) [pure virtual]

Gets the name of this topic.

Returns

The topic name.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQTempTopic** (p. 640).

The documentation for this class was generated from the following file:

- src/main/cms/**TemporaryTopic.h**

6.808 cms::TextMessage Class Reference

Interface for a text message.

`#include <src/main/cms/TextMessage.h>`

Inheritance diagram for cms::TextMessage:

Public Member Functions

- virtual ~**TextMessage** ()
- virtual std::string **getText** () const =0 throw (cms::CMSException)

  Gets the message character buffer.

- virtual void **setText** (const char *msg)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets the message contents, does not take ownership of the passed char, but copies it instead.*

- virtual void **setText** (const std::string &msg)=0 throw (cms::MessageNotWriteableException, cms::CMSException)

  Sets the message contents.

6.808.1 Detailed Description

Interface for a text message. A **TextMessage** (p. 3874) can contain any Text based pay load such as an XML Document or other Text based document.

Like all Messages, a **TextMessage** (p. 3874) is received in Read-Only mode, any attempt to write to the **Message** (p. 2614) will result in a MessageNotWritableException being thrown until the `clearBody` method is called which will erase the contents and place the message back in a read / write mode.

Since

1.0

6.808.2 Constructor & Destructor Documentation

6.808.2.1 virtual cms::TextMessage::~TextMessage ( ) [inline, virtual]

6.808.3 Member Function Documentation

6.808.3.1 virtual std::string cms::TextMessage::getText ( ) const throw (cms::CMSException) [pure virtual]

Gets the message character buffer.

Returns

The message character buffer.

Exceptions

CMSException *(p. 1190)*	- if an internal error occurs.

Implemented in **activemq::commands::ActiveMQTextMessage** (p. 670).

6.808.3.2 virtual void cms::TextMessage::setText (const std::string & *msg*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Sets the message contents.

Parameters

msg	The message buffer.

Exceptions

CMSException (p. *1190*)	- if an internal error occurs.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode..

Implemented in **activemq::commands::ActiveMQTextMessage** (p. 670).

6.808.3.3 virtual void cms::TextMessage::setText (const char * *msg*) throw (cms::MessageNotWriteableException, cms::CMSException) [pure virtual]

Sets the message contents, does not take ownership of the passed char*, but copies it instead.

Parameters

msg	The message buffer.

Exceptions

CMSException (p. *1190*)	- if an internal error occurs.
MessageNotWriteableException (p. *2808*)	- if the message is in read-only mode..

Implemented in **activemq::commands::ActiveMQTextMessage** (p. 671).

The documentation for this class was generated from the following file:

- src/main/cms/**TextMessage.h**

6.809 decaf::lang::Thread Class Reference

A **Thread** (p. 3876) is a concurrent unit of execution.

`#include <src/main/decaf/lang/Thread.h>`

Inheritance diagram for decaf::lang::Thread:

Data Structures

- class **UncaughtExceptionHandler**

  *Interface for handlers invoked when a **Thread** (p. 3876) abruptly terminates due to an uncaught exception.*

Public Types

- enum **State** {

  NEW = 0, **RUNNABLE** = 1, **BLOCKED** = 2, **WAITING** = 3,

  TIMED_WAITING = 4, **SLEEPING** = 5, **TERMINATED** = 6 }

  *Represents the various states that the **Thread** (p. 3876) can be in during its lifetime.*

Public Member Functions

- **Thread** ()

  *Constructs a new **Thread** (p. 3876).*

- **Thread** (**Runnable** ∗task)

  *Constructs a new **Thread** (p. 3876) with the given target **Runnable** (p. 3418) task.*

- **Thread** (const std::string &name)

  *Constructs a new **Thread** (p. 3876) with the given name.*

- **Thread** (**Runnable** ∗task, const std::string &name)

  *Constructs a new **Thread** (p. 3876) with the given target **Runnable** (p. 3418) task and name.*

- virtual ∼**Thread** ()
- virtual void **start** () throw (decaf::lang::exceptions::IllegalThreadStateException, decaf::lang::exceptions::RuntimeException)

  Creates a system thread and starts it in a joinable mode.

- virtual void **join** () throw (decaf::lang::exceptions::InterruptedException)

  *Forces the Current **Thread** (p. 3876) to wait until the thread exits.*

- virtual void **join** (long long millisecs) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::InterruptedException)

  *Forces the Current **Thread** (p. 3876) to wait until the thread exits.*

- virtual void **join** (long long millisecs, unsigned int nanos) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::InterruptedException)

  *Forces the Current **Thread** (p. 3876) to wait until the thread exits.*

- virtual void **run** ()

  Default implementation of the run method - does nothing.

- std::string **getName** () const

  Returns the Thread's assigned name.

- void **setName** (const std::string &name)

  *Sets the name of the **Thread** (p. 3876) to the new Name given by the argument name*

- int **getPriority** () const

  *Gets the currently set priority for this **Thread** (p. 3876).*

- void **setPriority** (int value) throw (decaf::lang::exceptions::IllegalArgumentException)

  Sets the current Thread's priority to the newly specified value.

- const **UncaughtExceptionHandler** ∗ **getUncaughtExceptionHandler** () const

  Set the handler invoked when this thread abruptly terminates due to an uncaught exception.

- void **setUncaughtExceptionHandler** (**UncaughtExceptionHandler** ∗handler)

  Set the handler invoked when this thread abruptly terminates due to an uncaught exception.

- std::string **toString** () const

  *Returns a string that describes the **Thread** (p. 3876).*

- bool **isAlive** () const

  *Returns true if the **Thread** (p. 3876) is alive, meaning it has been started and has not yet died.*

- **Thread::State getState** () const

  *Returns the currently set State of this **Thread** (p. 3876).*

Static Public Member Functions

- static void **sleep** (long long millisecs) throw (lang::exceptions::InterruptedException, lang::exceptions::IllegalArgumentException)

  Causes the currently executing thread to halt execution for the specified number of milliseconds, subject to the precision and accuracy of system timers and schedulers.

- static void **sleep** (long long millisecs, unsigned int nanos) throw (lang::exceptions::InterruptedException, lang::exceptions::IllegalArgumentException)

Causes the currently executing thread to halt execution for the specified number of milliseconds plus any additionally specified nanoseconds given, subject to the precision and accuracy of system timers and schedulers.

- static void **yield** ()

  Causes the currently executing thread object to temporarily pause and allow other threads to execute.

- static long long **getId** ()

  *Obtains the **Thread** (p. 3876) Id of the current thread.*

- static **Thread** ∗ **currentThread** ()

  Returns a pointer to the currently executing thread object.

Static Public Attributes

- static const int **MIN_PRIORITY** = 1

  The minimum priority that a thread can have.

- static const int **NORM_PRIORITY** = 5

  The default priority that a thread is given at create time.

- static const int **MAX_PRIORITY** = 10

  The maximum priority that a thread can have.

Friends

- class **decaf::util::concurrent::locks::LockSupport**
- class **decaf::lang::Runtime**

6.809.1 Detailed Description

A **Thread** (p. 3876) is a concurrent unit of execution. It has its own call stack for methods being invoked, their arguments and local variables. Each process has at least one main **Thread** (p. 3876) running when it is started; typically, there are several others for housekeeping. The application might decide to launch additional Threads for specific purposes.

Threads in the same process interact and synchronize by the use of shared objects and monitors associated with these objects.

There are basically two main ways of having a **Thread** (p. 3876) execute application code. One is providing a new class that extends **Thread** (p. 3876) and overriding its **run()** (p. 3884) method. The other is providing a new **Thread** (p. 3876) instance with a **Runnable** (p. 3418) object during its creation. In both cases, the **start()** (p. 3885) method must be called to actually execute the new **Thread** (p. 3876).

Each **Thread** (p. 3876) has an integer priority that basically determines the amount of CPU time the **Thread** (p. 3876) gets. It can be set using the **setPriority(int)** (p. 3884) method. A **Thread** (p. 3876) can also be made a daemon, which makes it run in the background. The latter also affects VM termination behavior: the VM does not terminate automatically as long as there are non-daemon threads running.

See also

decaf.lang.ThreadGroup (p. 3888)

Since

1.0

6.809.2 Member Enumeration Documentation

6.809.2.1 enum decaf::lang::Thread::State

Represents the various states that the **Thread** (p. 3876) can be in during its lifetime.

Enumerator:

NEW Before a **Thread** (p. 3876) is started it exists in this State.

RUNNABLE While a **Thread** (p. 3876) is running and is not blocked it is in this State.

BLOCKED A **Thread** (p. 3876) that is waiting to acquire a lock is in this state.

WAITING A **Thread** (p. 3876) that is waiting for another **Thread** (p. 3876) to perform an action is in this state.

TIMED_WAITING A **Thread** (p. 3876) that is waiting for another **Thread** (p. 3876) to perform an action up to a specified time interval is in this state.

SLEEPING A **Thread** (p. 3876) that is blocked in a Sleep call is in this state.

TERMINATED A **Thread** (p. 3876) whose run method has exited is in this state.

6.809.3 Constructor & Destructor Documentation

6.809.3.1 decaf::lang::Thread::Thread ( )

Constructs a new **Thread** (p. 3876).

This constructor has the same effect as Thread(NULL, NULL, GIVEN_NAME), where GIVEN_NAME is a newly generated name. When no name is given the name is automatically generated and are of the form "Thread-"+n, where n is an integer.

6.809.3.2 decaf::lang::Thread::Thread (**Runnable** ∗ *task*)

Constructs a new **Thread** (p. 3876) with the given target **Runnable** (p. 3418) task.

This constructor has the same effect as Thread(NULL, task, GIVEN_NAME), where GIVEN_NAME is a newly generated name. When no name is given the name is automatically generated and are of the form "Thread-"+n, where n is an integer.

Parameters

task	the **Runnable** (p. 3418) that this thread manages, if the task is NULL the Thread's run method is used instead.

6.809.3.3 decaf::lang::Thread::Thread (const std::string & *name*)

Constructs a new **Thread** (p. 3876) with the given name.

This constructor has the same effect as Thread(NULL, NULL, GIVEN_NAME), where GIVEN_NAME is a newly generated name. When no name is given the name is automatically generated and are of the form "Thread-"+n, where n is an integer.

Parameters

name	the name to assign to this **Thread** (p. 3876).

6.809.3.4 decaf::lang::Thread::Thread (Runnable * *task,* const std::string & *name*)

Constructs a new **Thread** (p. 3876) with the given target **Runnable** (p. 3418) task and name.

This constructor has the same effect as Thread(NULL, task, GIVEN_NAME), where GIVEN_NAME is a newly generated name. When no name is given the name is automatically generated and are of the form "Thread-"+n, where n is an integer.

Parameters

task	the **Runnable** (p. 3418) that this thread manages, if the task is NULL the Thread's run method is used instead.
name	the name to assign to this **Thread** (p. 3876).

6.809.3.5 virtual decaf::lang::Thread::~Thread ( ) [virtual]

6.809.4 Member Function Documentation

6.809.4.1 static Thread* decaf::lang::Thread::currentThread ( ) [static]

Returns a pointer to the currently executing thread object.

Returns

Pointer (p. 3032) to the **Thread** (p. 3876) object representing the currently running **Thread** (p. 3876).

6.809.4.2 static long long decaf::lang::Thread::getId ( ) [static]

Obtains the **Thread** (p. 3876) Id of the current thread.

Returns

Thread (p. 3876) Id

6.809.4.3 std::string decaf::lang::Thread::getName ( ) const

Returns the Thread's assigned name.

Returns

the Name of the **Thread** (p. 3876).

6.809.4.4 int decaf::lang::Thread::getPriority ( ) const

Gets the currently set priority for this **Thread** (p. 3876).

Returns

an int value representing the Thread's current priority.

6.809.4.5 Thread::State decaf::lang::Thread::getState ( ) const

Returns the currently set State of this **Thread** (p. 3876).

Returns

the Thread's current state.

6.809.4.6 const UncaughtExceptionHandler* decaf::lang::Thread::getUncaughtExceptionHandler ( ) const

Set the handler invoked when this thread abruptly terminates due to an uncaught exception.

Returns

a pointer to the set **UncaughtExceptionHandler** (p. 4018).

6.809.4.7 bool decaf::lang::Thread::isAlive ( ) const

Returns true if the **Thread** (p. 3876) is alive, meaning it has been started and has not yet died.

Returns

true if the thread is alive.

6.809.4.8 virtual void decaf::lang::Thread::join (long long *millisecs*, unsigned int *nanos*) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::InterruptedException) [virtual]

Forces the Current **Thread** (p. 3876) to wait until the thread exits.

Parameters

millisecs	the time in Milliseconds before the thread resumes
nanos	0-999999 extra nanoseconds to sleep.

Exceptions

IllegalArgumentException	if the nanoseconds parameter is out of range or the milliseconds paramter is negative.
InterruptedException	if any thread has interrupted the current thread. The interrupted status of the current thread is cleared when this exception is thrown.

6.809.4.9 virtual void decaf::lang::Thread::join ( ) throw (decaf::lang::exceptions::InterruptedException) [virtual]

Forces the Current **Thread** (p. 3876) to wait until the thread exits.

Exceptions

InterruptedException	if any thread has interrupted the current thread. The interrupted status of the current thread is cleared when this exception is thrown.

6.809.4.10 virtual void decaf::lang::Thread::join (long long *millisecs*) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::InterruptedException) [virtual]

Forces the Current **Thread** (p. 3876) to wait until the thread exits.

Parameters

millisecs	the time in Milliseconds before the thread resumes

Exceptions

IllegalArgumentException	if the milliseconds parameter is negative.
InterruptedException	if any thread has interrupted the current thread. The interrupted status of the current thread is cleared when this exception is thrown.

6.809.4.11 virtual void decaf::lang::Thread::run ( ) [virtual]

Default implementation of the run method - does nothing.

Implements **decaf::lang::Runnable** (p. 3419).

Reimplemented in **activemq::transport::mock::InternalCommandListener** (p. 2193), and **decaf::util::concurrent::PooledThread** (p. 3057).

6.809.4.12 void decaf::lang::Thread::setName (const std::string & *name*)

Sets the name of the **Thread** (p. 3876) to the new Name given by the argument *name*

name the new name of the **Thread** (p. 3876).

6.809.4.13 void decaf::lang::Thread::setPriority (int *value*) throw (decaf::lang::exceptions::IllegalArgumentException)

Sets the current Thread's priority to the newly specified value.

The given value must be within the rane **Thread::MIN_PRIORITY** (p. 3886) and **Thread::MAX_PRIORITY** (p. 3886).

Parameters

value	the new priority value to assign to this **Thread** (p. 3876).

Exceptions

IllegalArgumentException	if the value is out of range.

6.809.4.14 void decaf::lang::Thread::setUncaughtExceptionHandler (UncaughtExceptionHandler * *handler*)

Set the handler invoked when this thread abruptly terminates due to an uncaught exception.

Parameters

handler	the UncaightExceptionHandler to invoke when the **Thread** (p. 3876) terminates due to an uncaught exception.

6.809.4.15 static void decaf::lang::Thread::sleep (long long *millisecs,* unsigned int *nanos*) throw (lang::exceptions::InterruptedException, lang::exceptions::IllegalArgumentException) [static]

Causes the currently executing thread to halt execution for the specified number of milliseconds plus any additionally specified nanoseconds given, subject to the precision and accuracy of system timers and schedulers.

Note that this method is a static method that applies to the calling thread and not to the thread object.

Parameters

millisecs	time in milliseconds to halt execution.
nanos	0-999999 extra nanoseconds to sleep.

Exceptions

IllegalArgumentException	if the nanoseconds parameter is out of range or the milliseconds paramter is negative.
InterruptedException	if the **Thread** (p. 3876) was interrupted while sleeping.

6.809.4.16 static void decaf::lang::Thread::sleep (long long *millisecs*) throw (lang::exceptions::InterruptedException, lang::exceptions::IllegalArgumentException) [static]

Causes the currently executing thread to halt execution for the specified number of milliseconds, subject to the precision and accuracy of system timers and schedulers.

Note that this method is a static method that applies to the calling thread and not to the thread object.

Parameters

millisecs	time in milliseconds to halt execution.

Exceptions

IllegalArgumentException	if the milliseconds parameter is negative.
InterruptedException	if the **Thread** (p. 3876) was interrupted while sleeping.

6.809.4.17 virtual void decaf::lang::Thread::start ( ) throw (decaf::lang::exceptions::IllegalThreadStateException, decaf::lang::exceptions::RuntimeException) [virtual]

Creates a system thread and starts it in a joinable mode.

Upon creation, the **run()** (p. 3884) method of either this object or the provided **Runnable** (p. 3418) object will be invoked in the context of this thread.

Exceptions

IllegalThreadState-Exception	if the thread has already been started.
RuntimeException	if the **Thread** (p. 3876) cannot be created for some reason.

6.809.4.18 std::string decaf::lang::Thread::toString ( ) const

Returns a string that describes the **Thread** (p. 3876).

Returns

string describing the **Thread** (p. 3876).

6.809.4.19 static void decaf::lang::Thread::yield ( ) [static]

Causes the currently executing thread object to temporarily pause and allow other threads to execute.

6.809.5 Friends And Related Function Documentation

6.809.5.1 friend class decaf::lang::Runtime [friend]

6.809.5.2 friend class decaf::util::concurrent::locks::LockSupport [friend]

6.809.6 Field Documentation

6.809.6.1 const int decaf::lang::Thread::MAX_PRIORITY = 10 [static]

The maximum priority that a thread can have.

6.809.6.2 const int decaf::lang::Thread::MIN_PRIORITY = 1 [static]

The minimum priority that a thread can have.

6.809.6.3 const int decaf::lang::Thread::NORM_PRIORITY = 5 [static]

The default priority that a thread is given at create time.

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Thread.h**

6.810 decaf::util::concurrent::ThreadFactory Class Reference

public interface **ThreadFactory** (p. 3887)

`#include <src/main/decaf/util/concurrent/ThreadFactory.h>`

Public Member Functions

- virtual ∼**ThreadFactory** ()
- virtual **decaf::lang::Thread** ∗ **newThread** (**decaf::lang::Runnable** ∗r)=0

  Constructs a new Thread.

6.810.1 Detailed Description

public interface **ThreadFactory** (p. 3887) An object that creates new threads on demand. Using thread factories removes hardwiring of calls to new Thread, enabling applications to use special thread subclasses, priorities, etc.

The simplest implementation of this interface is just:

class SimpleThreadFactory : public **ThreadFactory** (p. 3887) { public: Thread∗ newThread(Runnable∗ r) { return new Thread(r); } }

The Executors.defaultThreadFactory() method provides a more useful simple implementation, that sets the created thread context to known values before returning it.

Since

1.0

6.810.2 Constructor & Destructor Documentation

6.810.2.1 virtual decaf::util::concurrent::ThreadFactory::∼ThreadFactory ( ) [inline, virtual]

6.810.3 Member Function Documentation

6.810.3.1 virtual decaf::lang::Thread∗ decaf::util::concurrent::ThreadFactory::newThread (decaf::lang::Runnable ∗ *r*) [pure virtual]

Constructs a new Thread.

Implementations may also initialize priority, name, daemon status, ThreadGroup, etc. The pointer passed is still owned by the caller and is not deleted by the Thread object. The caller owns the returned Thread object and must delete it when finished.

Parameters

r	A pointer to a Runnable instance to be executed by new Thread instance returned.

Returns

constructed thread, or NULL if the request to create a thread is rejected the caller owns the returned pointer.

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**ThreadFactory.h**

6.811 decaf::lang::ThreadGroup Class Reference

```
#include <src/main/decaf/lang/ThreadGroup.h>
```

Public Member Functions

- **ThreadGroup** ()
- virtual ∼**ThreadGroup** ()

6.811.1 Detailed Description

Since

1.0

6.811.2 Constructor & Destructor Documentation

6.811.2.1 decaf::lang::ThreadGroup::ThreadGroup ( )

6.811.2.2 virtual decaf::lang::ThreadGroup::∼ThreadGroup ( ) [virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**ThreadGroup.h**

6.812 decaf::util::concurrent::ThreadPool Class Reference

Defines a Thread Pool object that implements the functionality of pooling threads to perform user tasks.

```
#include <src/main/decaf/util/concurrent/ThreadPool.h>
```

Inheritance diagram for decaf::util::concurrent::ThreadPool:

Public Types

- typedef std::pair< **lang::Runnable** ∗, **TaskListener** ∗ > **Task**

Public Member Functions

- **ThreadPool** ()
- virtual ∼**ThreadPool** ()
- virtual void **queueTask** (**Task** task) throw (lang::Exception)

  Queue *(p. 3239) a task to be completed by one of the Pooled Threads.*

- virtual **Task deQueueTask** () throw (lang::Exception)

  DeQueue a task to be completed by one of the Pooled Threads.

- virtual std::size_t **getPoolSize** () const

  Returns the current number of Threads in the Pool, this is how many there are now, not how many are active or the max number that might exist.

- virtual std::size_t **getBacklog** () const

  Returns the current backlog of items in the tasks queue, this is how much work is still waiting to get done.

- virtual void **reserve** (std::size_t size)

  Ensures that there is at least the specified number of Threads allocated to the pool.

- virtual std::size_t **getMaxThreads** () const

  Get the Max Number of Threads this Pool can contain.

- virtual void **setMaxThreads** (std::size_t maxThreads)

  Sets the Max number of threads this pool can contian.

- virtual std::size_t **getBlockSize** () const

  Gets the Max number of threads that can be allocated at a time when new threads are needed.

- virtual void **setBlockSize** (std::size_t blockSize)

  Sets the Max number of Threads that can be allocated at a time when the Thread Pool determines that more Threads are needed.

- virtual std::size_t **getFreeThreadCount** () const

  Returns the current number of available threads in the pool, threads that are performing a user task are considered unavailable.

- virtual void **onTaskStarted** (**PooledThread** ∗thread)

  Called by a pooled thread when it is about to begin executing a new task.

- virtual void **onTaskCompleted** (**PooledThread** ∗thread)

Called by a pooled thread when it has completed a task and is going back to waiting for another task to run, this will increment the free threads counter.

- virtual void **onTaskException** (**PooledThread** ∗thread, **lang::Exception** &ex)

*Called by a pooled thread when it has encountered an exception while running a user task, after receiving this notification the callee should assume that the **PooledThread** (p. 3056) is now no longer running.*

Static Public Member Functions

- static **ThreadPool** ∗ **getInstance** ()

Return the one and only Thread Pool instance.

Static Public Attributes

- static const size_t **DEFAULT_MAX_POOL_SIZE** = 10
- static const size_t **DEFAULT_MAX_BLOCK_SIZE** = 3

6.812.1 Detailed Description

Defines a Thread Pool object that implements the functionality of pooling threads to perform user tasks. The Thread Poll has max size that it will grow to. The thread pool allocates threads in blocks. When there are no waiting worker threads and a task is queued then a new batch is allocated. The user can specify the size of the blocks, otherwise a default value is used.

When the user queues a task they must also queue a listener to be notified when the task has completed, this provides the user with a mechanism to know when a task object can be freed.

To have the Thread Pool perform a task, the user enqueue's an object that implements the `Runnable` interface and one of the worker threads will executing it in its thread context.

6.812.2 Member Typedef Documentation

6.812.2.1 typedef std::pair<lang::Runnable*, TaskListener*> decaf::util::concurrent::ThreadPool::Task

6.812.3 Constructor & Destructor Documentation

6.812.3.1 decaf::util::concurrent::ThreadPool::ThreadPool ( )

6.812.3.2 virtual decaf::util::concurrent::ThreadPool::~ThreadPool ( ) [virtual]

6.812.4 Member Function Documentation

6.812.4.1 virtual Task decaf::util::concurrent::ThreadPool::deQueueTask ( ) throw (lang::Exception) [virtual]

DeQueue a task to be completed by one of the Pooled Threads.

A caller of this method will block until there is something in the tasks queue, therefore care must be taken when calling this function. Normally clients of **ThreadPool** (p. 3888) don't use this, only the **PooledThread** (p. 3056) objects owned by this **ThreadPool** (p. 3888).

Returns

object that derives from Runnable

Exceptions

ActiveMQException	

6.812.4.2 virtual std::size_t decaf::util::concurrent::ThreadPool::getBacklog ( ) const [inline, virtual]

Returns the current backlog of items in the tasks queue, this is how much work is still waiting to get done.

Returns

number of outstanding tasks.

6.812.4.3 virtual std::size_t decaf::util::concurrent::ThreadPool::getBlockSize ( ) const [inline, virtual]

Gets the Max number of threads that can be allocated at a time when new threads are needed.

Returns

max Thread Block Size

6.812.4.4 virtual std::size_t decaf::util::concurrent::ThreadPool::getFreeThreadCount ( ) const [inline, virtual]

Returns the current number of available threads in the pool, threads that are performing a user task are considered unavailable.

This value could change immediately after calling as Threads could finish right after and be available again. This is informational only.

Returns

total free threads

6.812.4.5 static ThreadPool* decaf::util::concurrent::ThreadPool::getInstance ( ) [static]

Return the one and only Thread Pool instance.

Returns

The Thread Pool Pointer

6.812.4.6 virtual std::size_t decaf::util::concurrent::ThreadPool::getMaxThreads ( ) const [inline, virtual]

Get the Max Number of Threads this Pool can contain.

Returns

max size

6.812.4.7 virtual std::size_t decaf::util::concurrent::ThreadPool::getPoolSize ( ) const [inline, virtual]

Returns the current number of Threads in the Pool, this is how many there are now, not how many are active or the max number that might exist.

Returns

integer number of threads in existence.

6.812.4.8 virtual void decaf::util::concurrent::ThreadPool::onTaskCompleted (PooledThread * *thread*) [virtual]

Called by a pooled thread when it has completed a task and is going back to waiting for another task to run, this will increment the free threads counter.

Parameters

thread	Pointer the the Pooled Thread that is making this call.

Implements **decaf::util::concurrent::PooledThreadListener** (p. 3059).

6.812.4.9 virtual void decaf::util::concurrent::ThreadPool::onTaskException (PooledThread * *thread,* lang::Exception & *ex*) [virtual]

Called by a pooled thread when it has encountered an exception while running a user task, after receiving this notification the callee should assume that the **PooledThread** (p. 3056) is now no longer running.

Parameters

thread	Pointer to the Pooled Thread that is making this call
ex	The Exception that occurred.

Implements **decaf::util::concurrent::PooledThreadListener** (p. 3059).

6.812.4.10 virtual void decaf::util::concurrent::ThreadPool::onTaskStarted (PooledThread * *thread*) [virtual]

Called by a pooled thread when it is about to begin executing a new task.

This will decrement the available threads counter so that this object knows when there are no more free threads and must create new ones.

Parameters

thread	Pointer to the Pooled Thread that is making this call

Implements **decaf::util::concurrent::PooledThreadListener** (p. 3059).

6.812.4.11 virtual void decaf::util::concurrent::ThreadPool::queueTask (Task *task*) throw (lang::Exception) [virtual]

Queue (p. 3239) a task to be completed by one of the Pooled Threads.

tasks are serviced as soon as a **PooledThread** (p. 3056) is available to run it.

Parameters

task	object that derives from Runnable

Exceptions

ActiveMQException	

6.812.4.12 virtual void decaf::util::concurrent::ThreadPool::reserve (std::size_t *size*) [virtual]

Ensures that there is at least the specified number of Threads allocated to the pool.

If the size is greater than the MAX number of threads in the pool, then only MAX threads are reservved. If the size is smaller than the number of threads currently in the pool, than nothing is done.

Parameters

size	the number of threads to reserve.

6.812.4.13 virtual void decaf::util::concurrent::ThreadPool::setBlockSize (std::size_t *blockSize*) [virtual]

Sets the Max number of Threads that can be allocated at a time when the Thread Pool determines that more Threads are needed.

Parameters

blockSize	Max Thread Block Size

6.812.4.14 virtual void decaf::util::concurrent::ThreadPool::setMaxThreads (std::size_t *maxThreads*) [virtual]

Sets the Max number of threads this pool can contian.

if this value is smaller than the current size of the pool nothing is done.

Parameters

maxThreads	total number of threads that can be pooled

6.812.5 Field Documentation

6.812.5.1 const size_t decaf::util::concurrent::ThreadPool::DEFAULT_MAX_BLOCK_SIZE = 3 [static]

6.812.5.2 const size_t decaf::util::concurrent::ThreadPool::DEFAULT_MAX_POOL_SIZE = 10 [static]

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**ThreadPool.h**

6.813 decaf::lang::Throwable Class Reference

This class represents an error that has occurred.

`#include <src/main/decaf/lang/Throwable.h>`

Inheritance diagram for decaf::lang::Throwable:

Public Member Functions

- **Throwable** () throw ()
- virtual ~**Throwable** () throw ()
- virtual std::string **getMessage** () const =0

  Gets the cause of the error, if no message was provided to the instance of this interface but a cause was then the value cause.getMessage is then returned.

- virtual const std::exception * **getCause** () const =0

  Gets the exception that caused this one to be thrown, this allows for chaining of exceptions in the case of a method that throws only a particular exception but wishes to allow for the real causal exception to be passed only in case the caller knows about that type of exception and wishes to respond to it.

- virtual void **initCause** (const std::exception *cause)=0

  Initializes the contained cause exception with the one given.

- virtual void **setMark** (const char *file, const int lineNumber)=0

  Adds a file/line number to the stack trace.

- virtual **Throwable** * **clone** () const =0

  Clones this exception.

- virtual std::vector< std::pair< std::string, int > > **getStackTrace** () const =0

  Provides the stack trace for every point where this exception was caught, marked, and rethrown.

- virtual void **printStackTrace** () const =0

  Prints the stack trace to std::err.

- virtual void **printStackTrace** (std::ostream &stream) const =0

  Prints the stack trace to the given output stream.

- virtual std::string **getStackTraceString** () const =0

  Gets the stack trace as one contiguous string.

6.813.1 Detailed Description

This class represents an error that has occurred. All Exceptions in the Decaf library should extend from this or from the **Exception** (p. 1886) class in order to ensure that all Decaf Exceptions are interchangeable with the std::exception class.

Throwable (p. 3895) can wrap another **Throwable** (p. 3895) as the cause if the error being thrown. The user can inspect the cause by calling `getCause`, the pointer returned is the property of the **Throwable** (p. 3895) instance and will be deleted when it is deleted or goes out of scope.

Since

1.0

6.813.2 Constructor & Destructor Documentation

6.813.2.1 decaf::lang::Throwable::Throwable ( ) throw () [inline]

6.813.2.2 virtual decaf::lang::Throwable::~Throwable ( ) throw () [inline, virtual]

6.813.3 Member Function Documentation

6.813.3.1 virtual Throwable* decaf::lang::Throwable::clone ( ) const [pure virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

Copy of this **Exception** (p. 1886) object

Implemented in **activemq::exceptions::ActiveMQException** (p. 349), **activemq::exceptions::BrokerExcepti**
(p. 874), **decaf::internal::net::ssl::openssl::OpenSSLSocketException** (p. 2958), **decaf::io::EOFException** (p. 1883), **decaf::io::InterruptedIOException** (p. 2198), **decaf::io::IOException** (p. 2212), **decaf::io::UnsupportedEncodingException** (p. 4027), **decaf::io::UTFDataFormatException** (p. 4080), **decaf::lang::Exception** (p. 1889), **decaf::lang::exceptions::ClassCastException** (p. 1179), **decaf::lang::exceptions::IllegalArgumentExcepti**
(p. 2056), **decaf::lang::exceptions::IllegalMonitorStateException** (p. 2059), **decaf::lang::exceptions::Illega**
(p. 2062), **decaf::lang::exceptions::IllegalThreadStateException** (p. 2065), **decaf::lang::exceptions::IndexO**
(p. 2072), **decaf::lang::exceptions::InterruptedException** (p. 2196), **decaf::lang::exceptions::InvalidStateE**
(p. 2210), **decaf::lang::exceptions::NoSuchElementException** (p. 2912), **decaf::lang::exceptions::NullPoint**
(p. 2918), **decaf::lang::exceptions::NumberFormatException** (p. 2923), **decaf::lang::exceptions::RuntimeI**
(p. 3423), **decaf::lang::exceptions::UnsupportedOperationException** (p. 4030), **decaf::net::BindException** (p. 844), **decaf::net::ConnectException** (p. 1296), **decaf::net::HttpRetryExceptio**
(p. 2051), **decaf::net::MalformedURLException** (p. 2538), **decaf::net::NoRouteToHostException**

(p. 2907), **decaf::net::PortUnreachableException** (p. 3062), **decaf::net::ProtocolException** (p. 3230), **decaf::net::SocketException** (p. 3629), **decaf::net::SocketTimeoutException** (p. 3652), **decaf::net::UnknownHostException** (p. 4022), **decaf::net::UnknownServiceException** (p. 4024), **decaf::net::URISyntaxException** (p. 4063), **decaf::nio::BufferOverflowException** (p. 966), **decaf::nio::BufferUnderflowException** (p. 969), **decaf::nio::InvalidMarkException** (p. 2206), **decaf::nio::ReadOnlyBufferException** (p. 3263), **decaf::security::cert::CertificateEncodingException** (p. 1118), **decaf::security::cert::CertificateException** (p. 1120), **decaf::security::cert::CertificateExpiredException** (p. 1122), **decaf::security::cert::CertificateNotYetValidException** (p. 1124), **decaf::security::cert::CertificateParsingEx** (p. 1126), **decaf::security::GeneralSecurityException** (p. 2037), **decaf::security::InvalidKeyException** (p. 2203), **decaf::security::KeyException** (p. 2368), **decaf::security::KeyManagementException** (p. 2371), **decaf::security::NoSuchAlgorithmException** (p. 2910), **decaf::security::NoSuchProviderException** (p. 2915), **decaf::security::SignatureException** (p. 3604), **decaf::util::concurrent::BrokenBarrierException** (p. 868), **decaf::util::concurrent::CancellationException** (p. 1112), **decaf::util::concurrent::ExecutionException** (p. 1926), **decaf::util::concurrent::RejectedExecutionException** (p. 3282), **decaf::util::concurrent::TimeoutException** (p. 3901), **decaf::util::zip::DataFormatException** (p. 1602), and **decaf::util::zip::ZipException** (p. 4178).

6.813.3.2 virtual const std::exception* decaf::lang::Throwable::getCause ( ) const [pure virtual]

Gets the exception that caused this one to be thrown, this allows for chaining of exceptions in the case of a method that throws only a particular exception but wishes to allow for the real causal exception to be passed only in case the caller knows about that type of exception and wishes to respond to it.

Returns

a const pointer reference to the causal exception, if there was no cause associated with this exception then NULL is returned.

Implemented in **decaf::lang::Exception** (p. 1890).

6.813.3.3 virtual std::string decaf::lang::Throwable::getMessage ( ) const [pure virtual]

Gets the cause of the error, if no message was provided to the instance of this interface but a cause was then the value cause.getMessage is then returned.

Returns

string errors message

Implemented in **decaf::lang::Exception** (p. 1891).

6.813.3.4 virtual std::vector< std::pair< std::string, int> > decaf::lang::Throwable::getStackTrace ( ) const [pure virtual]

Provides the stack trace for every point where this exception was caught, marked, and rethrown.

Returns

vector containing stack trace strings

Implemented in **decaf::lang::Exception** (p. 1891).

6.813.3.5 virtual std::string decaf::lang::Throwable::getStackTraceString ( ) const [pure virtual]

Gets the stack trace as one contiguous string.

Returns

string with formatted stack trace data

Implemented in **decaf::lang::Exception** (p. 1891).

6.813.3.6 virtual void decaf::lang::Throwable::initCause (const std::exception * *cause*) [pure virtual]

Initializes the contained cause exception with the one given.

A copy is made to avoid ownership issues.

Parameters

cause	The exception that was the cause of this one.

Implemented in **decaf::lang::Exception** (p. 1891).

6.813.3.7 virtual void decaf::lang::Throwable::printStackTrace ( ) const [pure virtual]

Prints the stack trace to std::err.

Implemented in **decaf::lang::Exception** (p. 1892).

6.813.3.8 virtual void decaf::lang::Throwable::printStackTrace (std::ostream & *stream*) const [pure virtual]

Prints the stack trace to the given output stream.

Parameters

stream	the target output stream.

Implemented in **decaf::lang::Exception** (p. 1892).

6.813.3.9 virtual void decaf::lang::Throwable::setMark (const char * *file*, const int *lineNumber*) [pure virtual]

Adds a file/line number to the stack trace.

Parameters

file	The name of the file calling this method (use __FILE__).
lineNumber	The line number in the calling file (use __LINE__).

Implemented in **decaf::lang::Exception** (p. 1892).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Throwable.h**

6.814 decaf::util::concurrent::TimeoutException Class Reference

`#include <src/main/decaf/util/concurrent/TimeoutException.h>`

Inheritance diagram for decaf::util::concurrent::TimeoutException:

Public Member Functions

- **TimeoutException** () throw ()

  Default Constructor.

- **TimeoutException** (const **decaf::lang::Exception** &ex) throw ()

  Conversion Constructor from some other Exception.

- **TimeoutException** (const **TimeoutException** &ex) throw ()

  Copy Constructor.

- **TimeoutException** (const std::exception *__cause__) throw ()

  Constructor.

- **TimeoutException** (const char *file, const int lineNumber, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **TimeoutException** (const char *file, const int lineNumber, const std::exception *__cause__, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **TimeoutException** * **clone** () const

Clones this exception.

- virtual ~**TimeoutException** () throw ()

6.814.1 Constructor & Destructor Documentation

6.814.1.1 decaf::util::concurrent::TimeoutException::TimeoutException ( ) throw () [inline]

Default Constructor.

6.814.1.2 decaf::util::concurrent::TimeoutException::TimeoutException (const decaf::lang::Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.814.1.3 decaf::util::concurrent::TimeoutException::TimeoutException (const TimeoutException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	The exception to copy from.

6.814.1.4 decaf::util::concurrent::TimeoutException::TimeoutException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.814.1.5 decaf::util::concurrent::TimeoutException::TimeoutException (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The string message to report
...	list of primitives that are formatted into the message

6.814.1.6 decaf::util::concurrent::TimeoutException::TimeoutException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The string message to report
...	list of primitives that are formatted into the message

6.814.1.7 virtual decaf::util::concurrent::TimeoutException::~TimeoutException ( ) throw () [inline, virtual]

6.814.2 Member Function Documentation

6.814.2.1 virtual TimeoutException* decaf::util::concurrent::TimeoutException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new **TimeoutException** (p. 3899) that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**TimeoutException.h**

6.815 decaf::util::Timer Class Reference

A facility for threads to schedule tasks for future execution in a background thread.

```
#include <src/main/decaf/util/Timer.h>
```

Public Member Functions

- **Timer** ()
- virtual ~**Timer** ()
- void **cancel** ()

  Terminates this timer, discarding any currently scheduled tasks.

- std::size_t **purge** ()

  Removes all canceled tasks from this timer's task queue.

- void **schedule** (**TimerTask** *task, long long delay) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Schedules the specified task for execution after the specified delay.

- void **schedule** (const **decaf::lang::Pointer**< **TimerTask** > &task, long long delay) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentExce decaf::lang::exceptions::IllegalStateException)

  Schedules the specified task for execution after the specified delay.

- void **schedule** (**TimerTask** *task, const **Date** &time) throw (decaf::lang::exceptions::NullPointerExceptio decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Schedules the specified task for execution at the specified time.

- void **schedule** (const **decaf::lang::Pointer**< **TimerTask** > &task, const **Date** &time) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentE decaf::lang::exceptions::IllegalStateException)

  Schedules the specified task for execution at the specified time.

- void **schedule** (**TimerTask** *task, long long delay, long long period) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Schedules the specified task for repeated fixed-delay execution, beginning after the specified delay.

- void **schedule** (const **decaf::lang::Pointer**< **TimerTask** > &task, long long delay, long long period) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Schedules the specified task for repeated fixed-delay execution, beginning after the specified delay.

- void **schedule** (**TimerTask** *task, const **Date** &firstTime, long long period) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentExceptio decaf::lang::exceptions::IllegalStateException)

Schedules the specified task for repeated fixed-delay execution, beginning at the specified time.

- void **schedule** (const **decaf::lang::Pointer**< **TimerTask** > &task, const **Date** &firstTime, long long period) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Schedules the specified task for repeated fixed-delay execution, beginning at the specified time.

- void **scheduleAtFixedRate** (**TimerTask** ∗task, long long delay, long long period) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Schedules the specified task for repeated fixed-rate execution, beginning after the specified delay.

- void **scheduleAtFixedRate** (const **decaf::lang::Pointer**< **TimerTask** > &task, long long delay, long long period) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Schedules the specified task for repeated fixed-rate execution, beginning after the specified delay.

- void **scheduleAtFixedRate** (**TimerTask** ∗task, const **Date** &firstTime, long long period) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Schedules the specified task for repeated fixed-rate execution, beginning at the specified time.

- void **scheduleAtFixedRate** (const **decaf::lang::Pointer**< **TimerTask** > &task, const **Date** &firstTime, long long period) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

  Schedules the specified task for repeated fixed-rate execution, beginning at the specified time.

6.815.1 Detailed Description

A facility for threads to schedule tasks for future execution in a background thread. Tasks may be scheduled for one-time execution, or for repeated execution at regular intervals.

Corresponding to each **Timer** (p. 3901) object is a single background thread that is used to execute all of the timer's tasks, sequentially. **Timer** (p. 3901) tasks should complete quickly. If a timer task takes excessive time to complete, it "hogs" the timer's task execution thread. This can, in turn, delay the execution of subsequent tasks, which may "bunch up" and execute in rapid succession when (and if) the offending task finally completes.

This class is thread-safe: multiple threads can share a single **Timer** (p. 3901) object without the need for external synchronization.

This class does not offer real-time guarantees: it schedules tasks using the wait(long) method.

Since

1.0

6.815.2 Constructor & Destructor Documentation

6.815.2.1 decaf::util::Timer::Timer ( )

6.815.2.2 virtual decaf::util::Timer::~Timer ( ) [virtual]

6.815.3 Member Function Documentation

6.815.3.1 void decaf::util::Timer::cancel ( )

Terminates this timer, discarding any currently scheduled tasks.

Does not interfere with a currently executing task (if it exists). Once a timer has been terminated, its execution thread terminates gracefully, and no more tasks may be scheduled on it.

Note that calling this method from within the run method of a timer task that was invoked by this timer absolutely guarantees that the ongoing task execution is the last task execution that will ever be performed by this timer.

This method may be called repeatedly; the second and subsequent calls have no effect.

6.815.3.2 std::size_t decaf::util::Timer::purge ( )

Removes all canceled tasks from this timer's task queue.

Calling this method has no effect on the behavior of the timer, but eliminates the canceled tasks from the queue causing the **Timer** (p. 3901) to destroy the **TimerTask** (p. 3914) pointer it was originally given, the caller should ensure that they no longer have any references to TimerTasks that were previously scheduled.

Most programs will have no need to call this method. It is designed for use by the rare application that cancels a large number of tasks. Calling this method trades time for space: the runtime of the method may be proportional to n + c log n, where n is the number of tasks in the queue and c is the number of canceled tasks.

This method can be called on a **Timer** (p. 3901) object that has no scheduled tasks without error.

Returns

the number of tasks removed from the queue.

6.815.3.3 void decaf::util::Timer::schedule (const decaf::lang::Pointer< TimerTask > & *task*, long long *delay*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Schedules the specified task for execution after the specified delay.

Parameters

task	- task to be scheduled.
delay	- delay in milliseconds before task is to be executed.

Exceptions

NullPointerException	- if the **TimerTask** (p. 3914) value is Null.
IllegalArgumentException	- if delay is negative, or delay + System.currentTimeMillis() is negative.
IllegalStateException	- if task was already scheduled or cancelled, or timer was cancelled.

6.815.3.4 void decaf::util::Timer::schedule (const decaf::lang::Pointer< TimerTask > & *task*, long long *delay*, long long *period*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Schedules the specified task for repeated fixed-delay execution, beginning after the specified delay.

Subsequent executions take place at approximately regular intervals separated by the specified period.

In fixed-delay execution, each execution is scheduled relative to the actual execution time of the previous execution. If an execution is delayed for any reason (such as other background activity), subsequent executions will be delayed as well. In the long run, the frequency of execution will generally be slightly lower than the reciprocal of the specified period (assuming the system clock underlying Object.wait(long long) is accurate).

Fixed-delay execution is appropriate for recurring activities that require "smoothness." In other words, it is appropriate for activities where it is more important to keep the frequency accurate in the short run than in the long run. This includes most animation tasks, such as blinking a cursor at regular intervals. It also includes tasks wherein regular activity is performed in response to human input, such as automatically repeating a character as long as a key is held down.

Parameters

task	- task to be scheduled.
delay	- delay in milliseconds before task is to be executed.
period	- time in milliseconds between successive task executions.

Exceptions

NullPointerException	- if the **TimerTask** (p. 3914) value is Null.
IllegalArgumentException	- if delay is negative, or delay + System.currentTimeMillis() is negative.
IllegalStateException	- if task was already scheduled or cancelled, timer was cancelled, or timer thread terminated.

6.815.3.5 void decaf::util::Timer::schedule (TimerTask * *task*, const Date & *firstTime*, long long *period*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Schedules the specified task for repeated fixed-delay execution, beginning at the specified time.

Subsequent executions take place at approximately regular intervals separated by the specified period.

The **TimerTask** (p. 3914) pointer is considered to be owned by the **Timer** (p. 3901) class once it has been scheduled, the **Timer** (p. 3901) will destroy its TimerTask's once they have been cancelled or the **Timer** (p. 3901) itself is cancelled. A **TimerTask** (p. 3914) is considered scheduled only when this method return without throwing an exception, until that time ownership is not considered to have been transferred to the **Timer** (p. 3901) and the caller should ensure that the **TimerTask** (p. 3914) gets deleted if an exception is thrown and no further attempts to schedule that **TimerTask** (p. 3914) instance are planned.

In fixed-delay execution, each execution is scheduled relative to the actual execution time of the previous execution. If an execution is delayed for any reason (such as other background activity), subsequent executions will be delayed as well. In the long run, the frequency of execution will generally be slightly lower than the reciprocal of the specified period (assuming the system clock underlying Object.wait(long long) is accurate).

Fixed-delay execution is appropriate for recurring activities that require "smoothness." In other words, it is appropriate for activities where it is more important to keep the frequency accurate in the short run than in the long run. This includes most animation tasks, such as blinking a cursor at regular intervals. It also includes tasks wherein regular activity is performed in response to human input, such as automatically repeating a character as long as a key is held down.

Parameters

task	- task to be scheduled.
firstTime	- First time at which task is to be executed.
period	- time in milliseconds between successive task executions.

Exceptions

NullPointerException	- if the **TimerTask** (p. 3914) value is Null.
IllegalArgumentException	- if time.getTime() is negative.
IllegalStateException	- if task was already scheduled or cancelled, timer was cancelled, or timer thread terminated.

6.815.3.6 void decaf::util::Timer::schedule (TimerTask * *task*, const Date & *time*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Schedules the specified task for execution at the specified time.

If the time is in the past, the task is scheduled for immediate execution.

The **TimerTask** (p. 3914) pointer is considered to be owned by the **Timer** (p. 3901) class once it has been scheduled, the **Timer** (p. 3901) will destroy its TimerTask's once they have been cancelled or the **Timer** (p. 3901) itself is cancelled. A **TimerTask** (p. 3914) is considered scheduled only when this method return without throwing an exception, until that time ownership is not considered to have been transferred to the **Timer** (p. 3901) and the caller should ensure that the **TimerTask** (p. 3914) gets deleted if an exception is thrown and no further attempts to schedule that **TimerTask** (p. 3914) instance are planned.

Parameters

task	- task to be scheduled.
time	- time at which task is to be executed.

Exceptions

NullPointerException	- if the **TimerTask** (p. 3914) value is Null.
IllegalArgumentException	- if time.getTime() is negative.
IllegalStateException	- if task was already scheduled or cancelled, timer was cancelled, or timer thread terminated.

6.815.3.7 void decaf::util::Timer::schedule (const decaf::lang::Pointer< TimerTask > & *task*, const Date & *firstTime*, long long *period*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Schedules the specified task for repeated fixed-delay execution, beginning at the specified time.

Subsequent executions take place at approximately regular intervals separated by the specified period.

In fixed-delay execution, each execution is scheduled relative to the actual execution time of the previous execution. If an execution is delayed for any reason (such as other background activity), subsequent executions will be delayed as well. In the long run, the frequency of execution will generally be slightly lower than the reciprocal of the specified period (assuming the system clock underlying Object.wait(long long) is accurate).

Fixed-delay execution is appropriate for recurring activities that require "smoothness." In other words, it is appropriate for activities where it is more important to keep the frequency accurate in the short run than in the long run. This includes most animation tasks, such as blinking a cursor at regular intervals. It also includes tasks wherein regular activity is performed in response to human input, such as automatically repeating a character as long as a key is held down.

Parameters

task	- task to be scheduled.
firstTime	- First time at which task is to be executed.
period	- time in milliseconds between successive task executions.

Exceptions

NullPointerException	- if the **TimerTask** (p. 3914) value is Null.
IllegalArgumentException	- if time.getTime() is negative.
IllegalStateException	- if task was already scheduled or cancelled, timer was cancelled, or timer thread terminated.

6.815.3.8 void decaf::util::Timer::schedule (TimerTask * *task*, long long *delay*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Schedules the specified task for execution after the specified delay.

The **TimerTask** (p. 3914) pointer is considered to be owned by the **Timer** (p. 3901) class once it has been scheduled, the **Timer** (p. 3901) will destroy its TimerTask's once they have been cancelled or the **Timer** (p. 3901) itself is cancelled. A **TimerTask** (p. 3914) is considered scheduled only when this method return without throwing an exception, until that time ownership is not considered to have been transferred to the **Timer** (p. 3901) and the caller should ensure that the **TimerTask** (p. 3914) gets deleted if an exception is thrown and no further attempts to schedule that **TimerTask** (p. 3914) instance are planned.

Parameters

task	- task to be scheduled.
delay	- delay in milliseconds before task is to be executed.

Exceptions

NullPointerException	- if the **TimerTask** (p. 3914) value is Null.
IllegalArgumentException	- if delay is negative, or delay + System.currentTimeMillis() is negative.
IllegalStateException	- if task was already scheduled or cancelled, or timer was cancelled.

6.815.3.9 void decaf::util::Timer::schedule (TimerTask * *task,* long long *delay,* long long *period*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Schedules the specified task for repeated fixed-delay execution, beginning after the specified delay.

Subsequent executions take place at approximately regular intervals separated by the specified period.

The **TimerTask** (p. 3914) pointer is considered to be owned by the **Timer** (p. 3901) class once it has been scheduled, the **Timer** (p. 3901) will destroy its TimerTask's once they have been cancelled or the **Timer** (p. 3901) itself is cancelled. A **TimerTask** (p. 3914) is considered scheduled only when this method return without throwing an exception, until that time ownership is not considered to have been transferred to the **Timer** (p. 3901) and the caller should ensure that the **TimerTask** (p. 3914) gets deleted if an exception is thrown and no further attempts to schedule that **TimerTask** (p. 3914) instance are planned.

In fixed-delay execution, each execution is scheduled relative to the actual execution time of the previous execution. If an execution is delayed for any reason (such as other background activity), subsequent executions will be delayed as well. In the long run, the frequency of execution will generally be slightly lower than the reciprocal of the specified period (assuming the system clock underlying Object.wait(long long) is accurate).

Fixed-delay execution is appropriate for recurring activities that require "smoothness." In other words, it is appropriate for activities where it is more important to keep the frequency accurate in the short run than in the long run. This includes most animation tasks, such as blinking a cursor at regular intervals. It also includes tasks wherein regular activity is performed in response to human input, such as automatically repeating a character as long as a key is held down.

Parameters

task	- task to be scheduled.
delay	- delay in milliseconds before task is to be executed.
period	- time in milliseconds between successive task executions.

Exceptions

NullPointerException	- if the **TimerTask** (p. 3914) value is Null.

IllegalArgumentException	- if delay is negative, or delay + System.currentTimeMillis() is negative.
IllegalStateException	- if task was already scheduled or cancelled, timer was cancelled, or timer thread terminated.

6.815.3.10 void decaf::util::Timer::schedule (const decaf::lang::Pointer< TimerTask > & *task*, const Date & *time*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Schedules the specified task for execution at the specified time.

If the time is in the past, the task is scheduled for immediate execution.

Parameters

task	- task to be scheduled.
time	- time at which task is to be executed.

Exceptions

NullPointerException	- if the **TimerTask** (p. 3914) value is Null.
IllegalArgumentException	- if time.getTime() is negative.
IllegalStateException	- if task was already scheduled or cancelled, timer was cancelled, or timer thread terminated.

6.815.3.11 void decaf::util::Timer::scheduleAtFixedRate (TimerTask * *task*, long long *delay*, long long *period*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Schedules the specified task for repeated fixed-rate execution, beginning after the specified delay.

Subsequent executions take place at approximately regular intervals, separated by the specified period.

The **TimerTask** (p. 3914) pointer is considered to be owned by the **Timer** (p. 3901) class once it has been scheduled, the **Timer** (p. 3901) will destroy its TimerTask's once they have been cancelled or the **Timer** (p. 3901) itself is cancelled. A **TimerTask** (p. 3914) is considered scheduled only when this method return without throwing an exception, until that time ownership is not considered to have been transferred to the **Timer** (p. 3901) and the caller should ensure that the **TimerTask** (p. 3914) gets deleted if an exception is thrown and no further attempts to schedule that **TimerTask** (p. 3914) instance are planned.

In fixed-rate execution, each execution is scheduled relative to the scheduled execution time of the initial execution. If an execution is delayed for any reason (such as garbage collection or other background activity), two or more executions will occur in rapid succession to "catch up." In the long run, the frequency of execution will be exactly the reciprocal of the specified period (assuming the system clock underlying Object.wait(long) is accurate).

Fixed-rate execution is appropriate for recurring activities that are sensitive to absolute time, such as ringing a chime every hour on the hour, or running scheduled maintenance every day at a particular time. It is also appropriate for recurring activities where the total time to perform a fixed number of executions is important, such as a countdown timer that ticks once every second for ten seconds. Finally, fixed-rate execution is appropriate for scheduling multiple repeating timer tasks that must remain synchronized with respect to one another.

Parameters

task	- task to be scheduled.
delay	- delay in milliseconds before task is to be executed.
period	- time in milliseconds between successive task executions.

Exceptions

NullPointerException	- if the **TimerTask** (p. 3914) value is Null.
IllegalArgumentException	- if delay is negative, or delay + System.currentTimeMillis() is negative.
IllegalStateException	- if task was already scheduled or cancelled, timer was cancelled, or timer thread terminated.

6.815.3.12 void decaf::util::Timer::scheduleAtFixedRate (const decaf::lang::Pointer< TimerTask > & *task*, long long *delay*, long long *period*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Schedules the specified task for repeated fixed-rate execution, beginning after the specified delay.

Subsequent executions take place at approximately regular intervals, separated by the specified period.

In fixed-rate execution, each execution is scheduled relative to the scheduled execution time of the initial execution. If an execution is delayed for any reason (such as garbage collection or other background activity), two or more executions will occur in rapid succession to "catch up." In the long run, the frequency of execution will be exactly the reciprocal of the specified period (assuming the system clock underlying Object.wait(long) is accurate).

Fixed-rate execution is appropriate for recurring activities that are sensitive to absolute time, such as ringing a chime every hour on the hour, or running scheduled maintenance

every day at a particular time. It is also appropriate for recurring activities where the total time to perform a fixed number of executions is important, such as a countdown timer that ticks once every second for ten seconds. Finally, fixed-rate execution is appropriate for scheduling multiple repeating timer tasks that must remain synchronized with respect to one another.

Parameters

task	- task to be scheduled.
delay	- delay in milliseconds before task is to be executed.
period	- time in milliseconds between successive task executions.

Exceptions

NullPointerException	- if the **TimerTask** (p. 3914) value is Null.
IllegalArgumentException	- if delay is negative, or delay + System.currentTimeMillis() is negative.
IllegalStateException	- if task was already scheduled or cancelled, timer was cancelled, or timer thread terminated.

6.815.3.13 void decaf::util::Timer::scheduleAtFixedRate (const decaf::lang::Pointer< TimerTask > & *task,* const Date & *firstTime,* long long *period*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Schedules the specified task for repeated fixed-rate execution, beginning at the specified time.

Subsequent executions take place at approximately regular intervals, separated by the specified period.

In fixed-rate execution, each execution is scheduled relative to the scheduled execution time of the initial execution. If an execution is delayed for any reason (such as garbage collection or other background activity), two or more executions will occur in rapid succession to "catch up." In the long run, the frequency of execution will be exactly the reciprocal of the specified period (assuming the system clock underlying Object.wait(long) is accurate).

Fixed-rate execution is appropriate for recurring activities that are sensitive to absolute time, such as ringing a chime every hour on the hour, or running scheduled maintenance every day at a particular time. It is also appropriate for recurring activities where the total time to perform a fixed number of executions is important, such as a countdown timer that ticks once every second for ten seconds. Finally, fixed-rate execution is appropriate for scheduling multiple repeating timer tasks that must remain synchronized with respect to one another.

Parameters

task	- task to be scheduled.

firstTime	- First time at which task is to be executed.
period	- time in milliseconds between successive task executions.

Exceptions

NullPointerException	- if the **TimerTask** (p. 3914) value is Null.
IllegalArgumentException	- if time.getTime() is negative.
IllegalStateException	- if task was already scheduled or cancelled, timer was cancelled, or timer thread terminated.

6.815.3.14 void decaf::util::Timer::scheduleAtFixedRate (TimerTask * *task,* const Date & *firstTime,* long long *period*) throw (decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::IllegalStateException)

Schedules the specified task for repeated fixed-rate execution, beginning at the specified time.

Subsequent executions take place at approximately regular intervals, separated by the specified period.

The **TimerTask** (p. 3914) pointer is considered to be owned by the **Timer** (p. 3901) class once it has been scheduled, the **Timer** (p. 3901) will destroy its TimerTask's once they have been cancelled or the **Timer** (p. 3901) itself is cancelled. A **TimerTask** (p. 3914) is considered scheduled only when this method return without throwing an exception, until that time ownership is not considered to have been transferred to the **Timer** (p. 3901) and the caller should ensure that the **TimerTask** (p. 3914) gets deleted if an exception is thrown and no further attempts to schedule that **TimerTask** (p. 3914) instance are planned.

In fixed-rate execution, each execution is scheduled relative to the scheduled execution time of the initial execution. If an execution is delayed for any reason (such as garbage collection or other background activity), two or more executions will occur in rapid succession to "catch up." In the long run, the frequency of execution will be exactly the reciprocal of the specified period (assuming the system clock underlying Object.wait(long) is accurate).

Fixed-rate execution is appropriate for recurring activities that are sensitive to absolute time, such as ringing a chime every hour on the hour, or running scheduled maintenance every day at a particular time. It is also appropriate for recurring activities where the total time to perform a fixed number of executions is important, such as a countdown timer that ticks once every second for ten seconds. Finally, fixed-rate execution is appropriate for scheduling multiple repeating timer tasks that must remain synchronized with respect to one another.

Parameters

task	- task to be scheduled.
firstTime	- First time at which task is to be executed.
period	- time in milliseconds between successive task executions.

Exceptions

NullPointerException	- if the **TimerTask** (p. 3914) value is Null.
IllegalArgumentException	- if time.getTime() is negative.
IllegalStateException	- if task was already scheduled or cancelled, timer was cancelled, or timer thread terminated.

The documentation for this class was generated from the following file:

- src/main/decaf/util/**Timer.h**

6.816 decaf::util::TimerTask Class Reference

A Base class for a task object that can be scheduled for one-time or repeated execution by a **Timer** (p. 3901).

`#include <src/main/decaf/util/TimerTask.h>`

Inheritance diagram for decaf::util::TimerTask:

Public Member Functions

- **TimerTask** ()
- virtual ~**TimerTask** ()
- bool **cancel** ()

  Cancels this timer task.

- long long **scheduledExecutionTime** () const

  Returns the scheduled execution time of the most recent actual execution of this task.

Protected Member Functions

- bool **isScheduled** () const
- void **setScheduledTime** (long long time)
- long long **getWhen** () const

Friends

- class **Timer**
- class **TimerImpl**
- class **decaf::internal::util::TimerTaskHeap**

6.816.1 Detailed Description

A Base class for a task object that can be scheduled for one-time or repeated execution by a **Timer** (p. 3901).

Since

1.0

6.816.2 Constructor & Destructor Documentation

6.816.2.1 decaf::util::TimerTask::TimerTask ( )

6.816.2.2 virtual decaf::util::TimerTask::~TimerTask ( ) [inline, virtual]

6.816.3 Member Function Documentation

6.816.3.1 bool decaf::util::TimerTask::cancel ( )

Cancels this timer task.

If the task has been scheduled for one-time execution and has not yet run, or has not yet been scheduled, it will never run. If the task has been scheduled for repeated execution, it will never run again. (If the task is running when this call occurs, the task will run to completion, but will never run again.)

Note that calling this method from within the run method of a repeating timer task absolutely guarantees that the timer task will not run again.

This method may be called repeatedly; the second and subsequent calls have no effect.

Returns

true if this task is scheduled for one-time execution and has not yet run, or this task is scheduled for repeated execution. Returns false if the task was scheduled for one-time execution and has already run, or if the task was never scheduled, or if the task was already canceled. (Loosely speaking, this method returns true if it prevents one or more scheduled executions from taking place.)

6.816.3.2 long long decaf::util::TimerTask::getWhen ( ) const [protected]

6.816.3.3 bool decaf::util::TimerTask::isScheduled ( ) const [protected]

6.816.3.4 long long decaf::util::TimerTask::scheduledExecutionTime ( ) const

Returns the scheduled execution time of the most recent actual execution of this task.

(If this method is invoked while task execution is in progress, the return value is the scheduled execution time of the ongoing task execution.)

This method is typically invoked from within a task's run method, to determine whether the current execution of the task is sufficiently timely to warrant performing the scheduled activity:

void **run()** (p. 3419) { if(System::currentTimeMillis() - **scheduledExecutionTime()** (p. 3916) >= MAX_TARDINESS) return; // Too late; skip this execution. // Perform the task }

This method is typically not used in conjunction with fixed-delay execution repeating tasks, as their scheduled execution times are allowed to drift over time, and so are not terribly significant.

Returns

the time at which the most recent execution of this task was scheduled to occur, in the format returned by **Date.getTime()** (p. 1722). The return value is undefined if the task has yet to commence its first execution.

6.816.3.5 void decaf::util::TimerTask::setScheduledTime (long long *time*) [protected]

6.816.4 Friends And Related Function Documentation

6.816.4.1 friend class decaf::internal::util::TimerTaskHeap [friend]

6.816.4.2 friend class Timer [friend]

6.816.4.3 friend class TimerImpl [friend]

The documentation for this class was generated from the following file:

- src/main/decaf/util/**TimerTask.h**

6.817 decaf::internal::util::TimerTaskHeap Class Reference

A Binary Heap implemented specifically for the Timer class in Decaf Util.

```
#include <src/main/decaf/internal/util/TimerTaskHeap.h>
```

Public Member Functions

- **TimerTaskHeap** ()
- virtual ~**TimerTaskHeap** ()
- **Pointer**< **TimerTask** > **peek** ()

  Peaks at the Head of the Heap, returns the task with the nearest scheduled run time.

- bool **isEmpty** () const
- std::size_t **size** () const
- void **insert** (const **Pointer**< **TimerTask** > &task)

  Inserts the specified Task into the heap, heap is reordered to reflect the addition of a new element.

- void **remove** (std::size_t pos)

  Removes the Task at the specified position from the heap, resorts the heap from the position down to the bottom.

- void **reset** ()

  Clear all contents from the heap.

- void **adjustMinimum** ()

  Resorts the heap starting at the top.

- std::size_t **deleteIfCancelled** ()

  Runs through the heap removing all cancelled Tasks from it, this is not normally used but in case a a cancellation of a large number of tasks the user can perform this purge.

- std::size_t **find** (const **Pointer**< **TimerTask** > &task) const

  Searches the heap for the specified TimerTask element and returns its position in the heap.

6.817.1 Detailed Description

A Binary Heap implemented specifically for the Timer class in Decaf Util.

Since

1.0

6.817.2 Constructor & Destructor Documentation

6.817.2.1 decaf::internal::util::TimerTaskHeap::TimerTaskHeap ( )

6.817.2.2 virtual decaf::internal::util::TimerTaskHeap::~TimerTaskHeap ( ) [virtual]

6.817.3 Member Function Documentation

6.817.3.1 void decaf::internal::util::TimerTaskHeap::adjustMinimum ( )

Resorts the heap starting at the top.

6.817.3.2 std::size_t decaf::internal::util::TimerTaskHeap::deleteIfCancelled ( )

Runs through the heap removing all cancelled Tasks from it, this is not normally used but in case a a cancellation of a large number of tasks the user can perform this purge.

Returns

the number of task that were removed from the heap becuase they were cancelled.

6.817.3.3 std::size_t decaf::internal::util::TimerTaskHeap::find (const Pointer< TimerTask > & *task*) const

Searches the heap for the specified TimerTask element and returns its position in the heap.

Returns the unsigned equivalent of -1 if the element is not found.

Returns

the position in the Heap where the Task is stored, or npos.

6.817.3.4 void decaf::internal::util::TimerTaskHeap::insert (const Pointer< TimerTask > & *task*)

Inserts the specified Task into the heap, heap is reordered to reflect the addition of a new element.

Parameters

task	The TimerTask to insert into the heap.

6.817.3.5 bool decaf::internal::util::TimerTaskHeap::isEmpty ( ) const

Returns

true if the heap is empty.

6.817.3.6 Pointer<TimerTask> decaf::internal::util::TimerTaskHeap::peek ( )

Peaks at the Head of the Heap, returns the task with the nearest scheduled run time.

Returns

The TimerTask that is scheduled to be executed next if the Heap is empty a Null Pointer value is returned.

6.817.3.7 void decaf::internal::util::TimerTaskHeap::remove (std::size_t *pos*)

Removes the Task at the specified position from the heap, resorts the heap from the position down to the bottom.

Parameters

pos	The position at which to remove the TimerTask and begin a resort of the heap.

6.817.3.8 void decaf::internal::util::TimerTaskHeap::reset ( )

Clear all contents from the heap.

6.817.3.9 std::size_t decaf::internal::util::TimerTaskHeap::size ( ) const

Returns

the size of the heap.

The documentation for this class was generated from the following file:

- src/main/decaf/internal/util/**TimerTaskHeap.h**

6.818 decaf::util::concurrent::TimeUnit Class Reference

A **TimeUnit** (p. 3919) represents time durations at a given unit of granularity and provides utility methods to convert across units, and to perform timing and delay operations in these units.

`#include <src/main/decaf/util/concurrent/TimeUnit.h>`

Inheritance diagram for decaf::util::concurrent::TimeUnit:

Public Member Functions

- virtual ~**TimeUnit** ()
- long long **convert** (long long sourceDuration, const **TimeUnit** &sourceUnit) const

  Convert the given time duration in the given unit to this unit.

- long long **toNanos** (long long duration) const

  Equivalent to `NANOSECONDS.convert(duration, this)`.

- long long **toMicros** (long long duration) const

  Equivalent to `MICROSECONDS.convert(duration, this)`.

- long long **toMillis** (long long duration) const

  Equivalent to `MILLISECONDS.convert(duration, this)`.

- long long **toSeconds** (long long duration) const

  Equivalent to `SECONDS.convert(duration, this)`.

- long long **toMinutes** (long long duration) const

  Equivalent to `MINUTES.convert(duration, this)`.

- long long **toHours** (long long duration) const

  Equivalent to `HOURS.convert(duration, this)`.

- long long **toDays** (long long duration) const

  Equivalent to `DAYS.convert(duration, this)`.

- void **timedWait** (**Synchronizable** *obj, long long timeout) const throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::NullPointerException)

  Perform a timed `Object.wait` *using this time unit.*

- void **timedJoin** (**decaf::lang::Thread** *thread, long long timeout) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::NullPointerException)

  Perform a timed `Thread.join` *using this time unit.*

- void **sleep** (long long timeout) const throw (decaf::lang::exceptions::InterruptedException)

  Perform a `Thread.sleep` *using this unit.*

- virtual std::string **toString** () const

  *Converts the **TimeUnit** (p. 3919) type to the Name of the **TimeUnit** (p. 3919).*

- virtual int **compareTo** (const **TimeUnit** &value) const

  Compares this object with the specified object for order.

- virtual bool **equals** (const **TimeUnit** &value) const
- virtual bool **operator==** (const **TimeUnit** &value) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const **TimeUnit** &value) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

Static Public Member Functions

- static const **TimeUnit** & **valueOf** (const std::string &name) throw (decaf::lang::exceptions::IllegalArgumentException)

  *Returns the **TimeUnit** (p. 3919) constant of this type with the specified name.*

Static Public Attributes

- static const **TimeUnit NANOSECONDS**

  *The Actual **TimeUnit** (p. 3919) enumerations.*

- static const **TimeUnit MICROSECONDS**
- static const **TimeUnit MILLISECONDS**
- static const **TimeUnit SECONDS**
- static const **TimeUnit MINUTES**
- static const **TimeUnit HOURS**
- static const **TimeUnit DAYS**
- static const **TimeUnit** ∗const **values** [ ]

  *The An Array of **TimeUnit** (p. 3919) Instances.*

Protected Member Functions

- **TimeUnit** (int index, const std::string &name)

  Hidden Constructor, this class can not be instantiated directly.

6.818.1 Detailed Description

A **TimeUnit** (p. 3919) represents time durations at a given unit of granularity and provides utility methods to convert across units, and to perform timing and delay operations in these units. A **TimeUnit** (p. 3919) does not maintain time information, but only helps organize and use time representations that may be maintained separately across various contexts. A nanosecond is defined as one thousandth of a microsecond, a microsecond as one thousandth of a millisecond, a millisecond as one thousandth of a second, a minute as sixty seconds, an hour as sixty minutes, and a day as twenty four hours.

A **TimeUnit** (p. 3919) is mainly used to inform time-based methods how a given timing parameter should be interpreted. For example, the following code will timeout in 50 milliseconds if the lock is not available:

Lock (p. 2450) lock = ...; if (lock.tryLock(50, **TimeUnit.MILLISECONDS** (p. 3929))) ...

while this code will timeout in 50 seconds:

Lock (p. 2450) lock = ...; if (lock.tryLock(50, **TimeUnit.SECONDS** (p. 3930))) ...

Note however, that there is no guarantee that a particular timeout implementation will be able to notice the passage of time at the same granularity as the given **TimeUnit** (p. 3919).

6.818.2 Constructor & Destructor Documentation

6.818.2.1 decaf::util::concurrent::TimeUnit::TimeUnit (int *index*, const std::string & *name*) [protected]

Hidden Constructor, this class can not be instantiated directly.

Parameters

index	- Index into the Time Unit set.
name	- Name of the unit type being represented.

6.818.2.2 virtual decaf::util::concurrent::TimeUnit::~TimeUnit ( ) [inline, virtual]

6.818.3 Member Function Documentation

6.818.3.1 virtual int decaf::util::concurrent::TimeUnit::compareTo (const TimeUnit & *value*) const [virtual]

Compares this object with the specified object for order.

Returns a negative integer, zero, or a positive integer as this object is less than, equal to, or greater than the specified object.

In the foregoing description, the notation sgn(expression) designates the mathematical signum function, which is defined to return one of -1, 0, or 1 according to whether the value of expression is negative, zero or positive. The implementor must ensure sgn(x.compareTo(y)) == -sgn(y.compareTo(x)) for all x and y. (This implies that x.compareTo(y) must throw an exception iff y.compareTo(x) throws an exception.)

The implementor must also ensure that the relation is transitive: (x.compareTo(y)>0 && y.compareTo(z)>0) implies x.compareTo(z)>0.

Finally, the implementer must ensure that x.compareTo(y)==0 implies that sgn(x.compareTo(z)) == sgn(y.compareTo(z)), for all z.

It is strongly recommended, but not strictly required that (x.compareTo(y)==0) == (x.equals(y)). Generally speaking, any class that implements the Comparable interface and violates this condition should clearly indicate this fact. The recommended language is "Note: this class has a natural ordering that is inconsistent with equals."

Parameters

value	- the Object to be compared.

Returns

a negative integer, zero, or a positive integer as this object is less than, equal to, or greater than the specified object.

6.818.3.2 long long decaf::util::concurrent::TimeUnit::convert (long long *sourceDuration,* const TimeUnit & *sourceUnit*) const

Convert the given time duration in the given unit to this unit.

Conversions from finer to coarser granularities truncate, so lose precision. For example converting 999 milliseconds to seconds results in 0. Conversions from coarser to finer granularities with arguments that would numerically overflow saturate to Long.MIN_VALUE if negative or Long.MAX_VALUE if positive.

For example, to convert 10 minutes to milliseconds, use: TimeUnit.MILLISECONDS.convert(10L, **TimeUnit.MINUTES** (p. 3929))

Parameters

sourceDuration	- Duration value to convert.
sourceUnit	- Unit type of the source duration.

Returns

the converted duration in this unit, or Long.MIN_VALUE if conversion would negatively overflow, or Long.MAX_VALUE if it would positively overflow.

6.818.3.3 virtual bool decaf::util::concurrent::TimeUnit::equals (const TimeUnit & *value*) const [virtual]

Returns

true if this value is considered equal to the passed value.

6.818.3.4 virtual bool decaf::util::concurrent::TimeUnit::operator< (const TimeUnit & *value*) const [virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

6.818.3.5 virtual bool decaf::util::concurrent::TimeUnit::operator== (const TimeUnit & *value*) const [virtual]

Compares equality between this object and the one passed.

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

6.818.3.6 void decaf::util::concurrent::TimeUnit::sleep (long long *timeout*) const throw (decaf::lang::exceptions::InterruptedException)

Perform a `Thread.sleep` using this unit.

This is a convenience method that converts time arguments into the form required by the `Thread.sleep` method.

Parameters

timeout	the minimum time to sleep

See also

Thread::sleep

6.818.3.7 void decaf::util::concurrent::TimeUnit::timedJoin (decaf::lang::Thread * *thread*, long long *timeout*) throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::NullPointerException)

Perform a timed `Thread.join` using this time unit.

This is a convenience method that converts time arguments into the form required by the `Thread.join` method.

Parameters

thread	the thread to wait for
timeout	the maximum time to wait

Exceptions

InterruptedException	if interrupted while waiting.
NullPointerException	if the thread object is null.

See also

Thread::join(long long, long long)

6.818.3.8 void decaf::util::concurrent::TimeUnit::timedWait (Synchronizable * *obj*, long long *timeout*) const throw (decaf::lang::exceptions::InterruptedException, decaf::lang::exceptions::NullPointerException)

Perform a timed `Object.wait` using this time unit.

This is a convenience method that converts timeout arguments into the form required by the `Object.wait` method.

For example, you could implement a blocking `poll` method (see **BlockingQueue.poll** (p. 854)) using:

```
    Object poll( long long timeout, const TimeUnit& unit )
      throw( InterruptedException ) {

      while( empty ) {
        unit.timedWait(this, timeout);
        ...
      }
  }
```

Parameters

obj	the object to wait on
timeout	the maximum time to wait.

Exceptions

InterruptedException	if interrupted while waiting.
NullPointerException	if the **Synchronizable** (p. 3811) object is null.

See also

Synchronizable::wait(long long, long long)

6.818.3.9 long long decaf::util::concurrent::TimeUnit::toDays (long long *duration*) const [inline]

Equivalent to `DAYS.convert(duration, this)`.

Parameters

duration	the duration

Returns

the converted duration.

See also

convert (p. 3923)

6.818.3.10 long long decaf::util::concurrent::TimeUnit::toHours (long long *duration*) const [inline]

Equivalent to `HOURS.convert(duration, this)`.

Parameters

duration	the duration

Returns

the converted duration.

See also

convert (p. 3923)

6.818.3.11 long long decaf::util::concurrent::TimeUnit::toMicros (long long *duration*) const [inline]

Equivalent to `MICROSECONDS.convert(duration, this)`.

Parameters

duration	the duration

Returns

the converted duration, or `Long.MIN_VALUE` if conversion would negatively overflow, or `Long.MAX_VALUE` if it would positively overflow.

See also

convert (p. 3923)

6.818.3.12 long long decaf::util::concurrent::TimeUnit::toMillis (long long *duration*) const [inline]

Equivalent to `MILLISECONDS.convert(duration, this)`.

Parameters

duration	the duration

Returns

the converted duration, or `Long.MIN_VALUE` if conversion would negatively overflow, or `Long.MAX_VALUE` if it would positively overflow.

See also

convert (p. 3923)

6.818.3.13 long long decaf::util::concurrent::TimeUnit::toMinutes (long long *duration*) const [inline]

Equivalent to `MINUTES.convert(duration, this)`.

Parameters

duration	the duration

Returns

the converted duration.

See also

convert (p. 3923)

6.818.3.14 long long decaf::util::concurrent::TimeUnit::toNanos (long long *duration*) const [inline]

Equivalent to `NANOSECONDS.convert(duration, this)`.

Parameters

duration	the duration

Returns

the converted duration, or `Long.MIN_VALUE` if conversion would negatively overflow, or `Long.MAX_VALUE` if it would positively overflow.

See also

convert (p. 3923)

6.818.3.15 long long decaf::util::concurrent::TimeUnit::toSeconds (long long *duration*) const [inline]

Equivalent to `SECONDS.convert(duration, this)`.

Parameters

duration	the duration

Returns

the converted duration.

See also

convert (p. 3923)

6.818.3.16 virtual std::string decaf::util::concurrent::TimeUnit::toString ( ) const [virtual]

Converts the **TimeUnit** (p. 3919) type to the Name of the **TimeUnit** (p. 3919).

Returns

String name of the **TimeUnit** (p. 3919)

6.818.3.17 static const TimeUnit& decaf::util::concurrent::TimeUnit::valueOf (const std::string & *name*) throw (decaf::lang::exceptions::IllegalArgumentException) [static]

Returns the **TimeUnit** (p. 3919) constant of this type with the specified name.

The string must match exactly an identifier used to declare an **TimeUnit** (p. 3919) constant in this type. (Extraneous whitespace characters are not permitted.)

Parameters

name	The Name of the **TimeUnit** (p. 3919) constant to be returned.

Returns

A constant reference to the **TimeUnit** (p. 3919) Constant with the given name.

Exceptions

IllegalArgumentException	if this enum type has no constant with the specified name

6.818.4 Field Documentation

6.818.4.1 const TimeUnit decaf::util::concurrent::TimeUnit::DAYS [static]

6.818.4.2 const TimeUnit decaf::util::concurrent::TimeUnit::HOURS [static]

6.818.4.3 const TimeUnit decaf::util::concurrent::TimeUnit::MICROSECONDS [static]

6.818.4.4 const TimeUnit decaf::util::concurrent::TimeUnit::MILLISECONDS [static]

6.818.4.5 const TimeUnit decaf::util::concurrent::TimeUnit::MINUTES [static]

6.818.4.6 const TimeUnit decaf::util::concurrent::TimeUnit::NANOSECONDS [static]

The Actual **TimeUnit** (p. 3919) enumerations.

6.818.4.7 const TimeUnit decaf::util::concurrent::TimeUnit::SECONDS [static]

6.818.4.8 const TimeUnit* const decaf::util::concurrent::TimeUnit::values[] [static]

The An Array of **TimeUnit** (p. 3919) Instances.

The documentation for this class was generated from the following file:

- src/main/decaf/util/concurrent/**TimeUnit.h**

6.819 cms::Topic Class Reference

An interface encapsulating a provider-specific topic name.

`#include <src/main/cms/Topic.h>`

Inheritance diagram for cms::Topic:

Public Member Functions

- virtual ~**Topic** ()
- virtual std::string **getTopicName** () const =0 throw (CMSException)

  Gets the name of this topic.

6.819.1 Detailed Description

An interface encapsulating a provider-specific topic name. A **Topic** (p. 3930) is a Publish / Subscribe type **Destination** (p. 1776). All Messages sent to a **Topic** (p. 3930) are broadcast to all Subscribers of that **Topic** (p. 3930) unless the Subscriber defines a **Message** (p. 2614) selector that filters out that **Message** (p. 2614).

Since

1.0

6.819.2 Constructor & Destructor Documentation

6.819.2.1 virtual cms::Topic::~Topic ( ) [inline, virtual]

6.819.3 Member Function Documentation

6.819.3.1 virtual std::string cms::Topic::getTopicName ( ) const throw (CMSException) [pure virtual]

Gets the name of this topic.

Returns

The topic name.

Exceptions

CMSException *(p. 1190)*	- If an internal error occurs.

Implemented in **activemq::commands::ActiveMQTopic** (p. 700).

The documentation for this class was generated from the following file:

- src/main/cms/**Topic.h**

6.820 activemq::state::Tracked Class Reference

`#include <src/main/activemq/state/Tracked.h>`

Inheritance diagram for activemq::state::Tracked:

Public Member Functions

- **Tracked** ()
- **Tracked** (const **Pointer**< **decaf::lang::Runnable** > &runnable)
- virtual ~**Tracked** ()
- void **onResponse** ()
- bool **isWaitingForResponse** () const

6.820.1 Constructor & Destructor Documentation

6.820.1.1 activemq::state::Tracked::Tracked ( ) [inline]

6.820.1.2 activemq::state::Tracked::Tracked (const Pointer< decaf::lang::Runnable > & *runnable*)

6.820.1.3 virtual activemq::state::Tracked::~Tracked ( ) [inline, virtual]

6.820.2 Member Function Documentation

6.820.2.1 bool activemq::state::Tracked::isWaitingForResponse ( ) const [inline]

6.820.2.2 void activemq::state::Tracked::onResponse ( )

The documentation for this class was generated from the following file:

- src/main/activemq/state/**Tracked.h**

6.821 activemq::commands::TransactionId Class Reference

`#include <src/main/activemq/commands/TransactionId.h>`

Inheritance diagram for activemq::commands::TransactionId:

Public Types

- typedef **decaf::lang::PointerComparator< TransactionId > COMPARATOR**

Public Member Functions

- **TransactionId** ()
- **TransactionId** (const **TransactionId** &other)
- virtual ~**TransactionId** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **TransactionId** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual int **compareTo** (const **TransactionId** &value) const
- virtual bool **equals** (const **TransactionId** &value) const
- virtual bool **operator==** (const **TransactionId** &value) const
- virtual bool **operator**< (const **TransactionId** &value) const
- **TransactionId** & **operator=** (const **TransactionId** &other)

Static Public Attributes

- static const unsigned char **ID_TRANSACTIONID** = 0

6.821.1 Member Typedef Documentation

6.821.1.1 typedef decaf::lang::PointerComparator<TransactionId> activemq::commands::TransactionId::COMPARATOR

Reimplemented in **activemq::commands::LocalTransactionId** (p. 2421), and **activemq::commands::XATransactionId** (p. 4144).

6.821.2 Constructor & Destructor Documentation

6.821.2.1 activemq::commands::TransactionId::TransactionId ( )

6.821.2.2 activemq::commands::TransactionId::TransactionId (const TransactionId & *other*)

6.821.2.3 virtual activemq::commands::TransactionId::~TransactionId ( ) [virtual]

6.821.3 Member Function Documentation

6.821.3.1 virtual TransactionId* activemq::commands::TransactionId::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

Reimplemented in **activemq::commands::LocalTransactionId** (p. 2422), and **activemq::commands::XATransactionId** (p. 4144).

6.821.3.2 virtual int activemq::commands::TransactionId::compareTo (const TransactionId & *value*) const [virtual]

6.821.3.3 virtual void activemq::commands::TransactionId::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Implements **activemq::commands::DataStructure** (p. 1715).

Reimplemented in **activemq::commands::LocalTransactionId** (p. 2422), and **activemq::commands::XATransactionId** (p. 4145).

6.821.3.4 virtual bool activemq::commands::TransactionId::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Implements **activemq::commands::DataStructure** (p. 1716).

Reimplemented in **activemq::commands::LocalTransactionId** (p. 2422), and **activemq::commands::XATransactionId** (p. 4145).

6.821.3.5 virtual bool activemq::commands::TransactionId::equals (const TransactionId & *value*) const [virtual]

6.821.3.6 virtual unsigned char activemq::commands::TransactionId::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

Reimplemented in **activemq::commands::LocalTransactionId** (p. 2423), and **activemq::commands::XATransactionId** (p. 4145).

6.821.3.7 virtual bool activemq::commands::TransactionId::operator< (const TransactionId & *value*) const [virtual]

6.821.3.8 TransactionId& activemq::commands::TransactionId::operator= (const TransactionId & *other*)

6.821.3.9 virtual bool activemq::commands::TransactionId::operator== (const TransactionId & *value*) const [virtual]

6.821.3.10 virtual std::string activemq::commands::TransactionId::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseDataStructure** (p. 841).

Reimplemented in **activemq::commands::LocalTransactionId** (p. 2424), and **activemq::commands::XATransactionId** (p. 4146).

6.821.4 Field Documentation

6.821.4.1 const unsigned char activemq::commands::TransactionId::ID_-TRANSACTIONID = 0 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**TransactionId.h**

6.822 activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3935).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/TransactionIdMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller:

Public Member Functions

- **TransactionIdMarshaller** ()
- virtual ∼**TransactionIdMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.822.1 Detailed Description

Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3935). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.822.2 Constructor & Destructor Documentation

6.822.2.1 activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller::TransactionIdMarshaller ( ) [inline]

6.822.2.2 virtual activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller::~TransactionIdMarshaller ( ) [inline, virtual]

6.822.3 Member Function Documentation

6.822.3.1 virtual void activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller** (p. 2439), and **activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller** (p. 4170).

6.822.3.2 virtual void activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller** (p. 2440), and **activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller** (p. 4170).

6.822.3.3 virtual int activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller** (p. 2440), and **activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller** (p. 4171).

6.822.3.4 virtual void activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller** (p. 2441), and **activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller** (p. 4171).

6.822.3.5 virtual void activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller** (p. 2441), and **activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller** (p. 4172).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**TransactionIdMarshaller.h**

6.823 activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3939).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/TransactionIdMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller:

Public Member Functions

- **TransactionIdMarshaller** ()
- virtual ∼**TransactionIdMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.823.1 Detailed Description

Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3939). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.823.2 Constructor & Destructor Documentation

6.823.2.1 activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller::TransactionIdMarshaller ( ) [inline]

6.823.2.2 virtual activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller::~TransactionIdMarshaller ( ) [inline, virtual]

6.823.3 Member Function Documentation

6.823.3.1 virtual void activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller** (p. 2448), and **activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller** (p. 4161).

6.823.3.2 virtual void activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller** (p. 2448), and **activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller** (p. 4162).

6.823.3.3 virtual int activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller** (p. 2449), and **activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller** (p. 4162).

6.823.3.4 virtual void activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller** (p. 2449), and **activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller** (p. 4163).

6.823.3.5 virtual void activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller** (p. 2450), and **activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller** (p. 4163).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**TransactionIdMarshaller.h**

6.824 activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3943).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/TransactionIdMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller:

Public Member Functions

- **TransactionIdMarshaller** ()
- virtual ∼**TransactionIdMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.824.1 Detailed Description

Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3943). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.824.2 Constructor & Destructor Documentation

6.824.2.1 activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller::TransactionIdMarshaller ( ) [inline]

6.824.2.2 virtual activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller::~TransactionIdMarshaller ( ) [inline, virtual]

6.824.3 Member Function Documentation

6.824.3.1 virtual void activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller** (p. 2431), and **activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller** (p. 4153).

6.824.3.2 virtual void activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller** (p. 2431), and **activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller** (p. 4153).

6.824.3.3 virtual int activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller** (p. 2432), and **activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller** (p. 4154).

6.824.3.4 virtual void activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller** (p. 2432), and **activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller** (p. 4154).

6.824.3.5 virtual void activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller** (p. 2433), and **activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller** (p. 4155).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**TransactionIdMarshaller.h**

6.825 activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3947).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/TransactionIdMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller:

Public Member Functions

- **TransactionIdMarshaller** ()
- virtual ∼**TransactionIdMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.825.1 Detailed Description

Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3947). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.825.2 Constructor & Destructor Documentation

6.825.2.1 activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller::TransactionIdMarshaller ( ) [inline]

6.825.2.2 virtual activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller::~TransactionIdMarshaller ( ) [inline, virtual]

6.825.3 Member Function Documentation

6.825.3.1 virtual void activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller** (p. 2435), and **activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller** (p. 4166).

6.825.3.2 virtual void activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller** (p. 2435), and **activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller** (p. 4166).

6.825.3.3 virtual int activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller** (p. 2436), and **activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller** (p. 4167).

6.825.3.4 virtual void activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller** (p. 2436), and **activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller** (p. 4167).

6.825.3.5 virtual void activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller** (p. 2437), and **activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller** (p. 4168).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**TransactionIdMarshaller.h**

6.826 activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3951).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/TransactionIdMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller:

Public Member Functions

- **TransactionIdMarshaller** ()
- virtual ∼**TransactionIdMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.826.1 Detailed Description

Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3951). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.826.2 Constructor & Destructor Documentation

6.826.2.1 activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller::TransactionIdMarshaller ( ) [inline]

6.826.2.2 virtual activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller::~TransactionIdMarshaller ( ) [inline, virtual]

6.826.3 Member Function Documentation

6.826.3.1 virtual void activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller** (p. 2443), and **activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller** (p. 4157).

6.826.3.2 virtual void activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller** (p. 2444), and **activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller** (p. 4158).

6.826.3.3 virtual int activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller** (p. 2444), and **activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller** (p. 4158).

6.826.3.4 virtual void activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller** (p. 2445), and **activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller** (p. 4159).

6.826.3.5 virtual void activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller** (p. 2445), and **activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller** (p. 4159).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**TransactionIdMarshaller.h**

6.827 activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3955).

```
#include <src/main/activemq/wireformat/openwire/marshal/v6/TransactionIdMarshaller.
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller:

Public Member Functions

- **TransactionIdMarshaller** ()
- virtual ∼**TransactionIdMarshaller** ()
- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.827.1 Detailed Description

Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3955). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.827.2 Constructor & Destructor Documentation

6.827.2.1 activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller::TransactionIdMarshaller ( ) [inline]

6.827.2.2 virtual activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller::~TransactionIdMarshaller ( ) [inline, virtual]

6.827.3 Member Function Documentation

6.827.3.1 virtual void activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller** (p. 2426), and **activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller** (p. 4149).

6.827.3.2 virtual void activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller** (p. 2427), and **activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller** (p. 4149).

6.827.3.3 virtual int activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller** (p. 2427), and **activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller** (p. 4150).

6.827.3.4 virtual void activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller** (p. 2428), and **activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller** (p. 4150).

6.827.3.5 virtual void activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

Reimplemented in **activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller** (p. 2428), and **activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller** (p. 4151).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**TransactionIdMarshaller.h**

6.828 activemq::commands::TransactionInfo Class Reference

```
#include <src/main/activemq/commands/TransactionInfo.h>
```

Inheritance diagram for activemq::commands::TransactionInfo:

Public Member Functions

- **TransactionInfo** ()
- virtual ~**TransactionInfo** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **TransactionInfo** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual const **Pointer**< **ConnectionId** > & **getConnectionId** () const
- virtual **Pointer**< **ConnectionId** > & **getConnectionId** ()
- virtual void **setConnectionId** (const **Pointer**< **ConnectionId** > &**connectionId**)
- virtual const **Pointer**< **TransactionId** > & **getTransactionId** () const
- virtual **Pointer**< **TransactionId** > & **getTransactionId** ()
- virtual void **setTransactionId** (const **Pointer**< **TransactionId** > &**transactionId**)
- virtual unsigned char **getType** () const
- virtual void **setType** (unsigned char **type**)
- virtual bool **isTransactionInfo** () const
- virtual **Pointer**< **Command** > **visit** (**activemq::state::CommandVisitor** *visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

Static Public Attributes

- static const unsigned char **ID_TRANSACTIONINFO** = 7

Protected Attributes

- **Pointer**< **ConnectionId** > **connectionId**
- **Pointer**< **TransactionId** > **transactionId**
- unsigned char **type**

6.828.1 Constructor & Destructor Documentation

6.828.1.1 activemq::commands::TransactionInfo::TransactionInfo ( )

6.828.1.2 virtual activemq::commands::TransactionInfo::~TransactionInfo ( ) [virtual]

6.828.2 Member Function Documentation

6.828.2.1 virtual TransactionInfo* activemq::commands::TransactionInfo::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.828.2.2 virtual void activemq::commands::TransactionInfo::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.828.2.3 virtual bool activemq::commands::TransactionInfo::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.828.2.4 virtual const Pointer<ConnectionId>& activemq::commands::TransactionInfo::getConnectionId ( ) const [virtual]

6.828.2.5 virtual Pointer<ConnectionId>& activemq::commands::TransactionInfo::getConnectionId ( ) [virtual]

6.828.2.6 virtual unsigned char activemq::commands::TransactionInfo::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.828.2.7 virtual const Pointer<TransactionId>& activemq::commands::TransactionInfo::getTransactionId ( ) const [virtual]

6.828.2.8 virtual Pointer<TransactionId>& activemq::commands::TransactionInfo::getTransactionId ( ) [virtual]

6.828.2.9 virtual unsigned char activemq::commands::TransactionInfo::getType ( ) const [virtual]

6.828.2.10 virtual bool activemq::commands::TransactionInfo::isTransactionInfo ( ) const [inline, virtual]

Returns

an answer of true to the **isTransactionInfo**() (p. 3962) query.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.828.2.11 virtual void activemq::commands::TransactionInfo::setConnectionId (const Pointer< ConnectionId > & *connectionId*) [virtual]

6.828.2.12 virtual void activemq::commands::TransactionInfo::setTransactionId (const Pointer< TransactionId > & *transactionId*) [virtual]

6.828.2.13 virtual void activemq::commands::TransactionInfo::setType (unsigned char *type*) [virtual]

6.828.2.14 virtual std::string activemq::commands::TransactionInfo::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.828.2.15 virtual Pointer<Command> activemq::commands::TransactionInfo::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.828.3 Field Documentation

6.828.3.1 Pointer<ConnectionId> activemq::commands::TransactionInfo::connectionId [protected]

6.828.3.2 const unsigned char activemq::commands::TransactionInfo::ID_-TRANSACTIONINFO = 7 [static]

6.828.3.3 Pointer<TransactionId> activemq::commands::TransactionInfo::transactionId [protected]

6.828.3.4 unsigned char activemq::commands::TransactionInfo::type [protected]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**TransactionInfo.h**

6.829 activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3964).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/TransactionInfo
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller:

Public Member Functions

- **TransactionInfoMarshaller** ()
- virtual ~**TransactionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.829.1 Detailed Description

Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3964).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.829.2 Constructor & Destructor Documentation

6.829.2.1 activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller::TransactionInfoMarshaller ( ) [inline]

6.829.2.2 virtual activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller::∼TransactionInfoMarshaller ( ) [inline, virtual]

6.829.3 Member Function Documentation

6.829.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.829.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.829.3.3 virtual void activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 794).

6.829.3.4 virtual void activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 795).

6.829.3.5 virtual int activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 796).

6.829.3.6 virtual void activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 797).

6.829.3.7 virtual void activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller** (p. 799).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**TransactionInfoMarshaller.h**

6.830 activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3968).

```
#include <src/main/activemq/wireformat/openwire/marshal/v1/TransactionInfo
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller:

Public Member Functions

- **TransactionInfoMarshaller** ()
- virtual ~**TransactionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.830.1 Detailed Description

Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3968).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.830.2 Constructor & Destructor Documentation

6.830.2.1 activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller::TransactionInfoMarshaller ( ) [inline]

6.830.2.2 virtual activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller::∼TransactionInfoMarshaller ( ) [inline, virtual]

6.830.3 Member Function Documentation

6.830.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.830.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.830.3.3 virtual void activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 787).

6.830.3.4 virtual void activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 788).

6.830.3.5 virtual int activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 789).

6.830.3.6 virtual void activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 790).

6.830.3.7 virtual void activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller** (p. 792).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**TransactionInfoMarshaller.h**

6.831 activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3972).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/TransactionInfo
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller:

Public Member Functions

- **TransactionInfoMarshaller** ()
- virtual ∼**TransactionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.831.1 Detailed Description

Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3972). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.831.2 Constructor & Destructor Documentation

6.831.2.1 activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller::TransactionInfoMarshaller ( ) [inline]

6.831.2.2 virtual activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller::~TransactionInfoMarshaller ( ) [inline, virtual]

6.831.3 Member Function Documentation

6.831.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.831.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.831.3.3 virtual void activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 772).

6.831.3.4 virtual void activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 774).

6.831.3.5 virtual int activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 775).

6.831.3.6 virtual void activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 776).

6.831.3.7 virtual void activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller** (p. 777).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**TransactionInfoMarshaller.h**

6.832 activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3977).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/TransactionInfoMarshalle`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller:

Public Member Functions

- **TransactionInfoMarshaller** ()
- virtual ∼**TransactionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.832.1 Detailed Description

Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3977). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.832.2 Constructor & Destructor Documentation

6.832.2.1 activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller::TransactionInfoMarshaller ( ) [inline]

6.832.2.2 virtual activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller::~TransactionInfoMarshaller ( ) [inline, virtual]

6.832.3 Member Function Documentation

6.832.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.832.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.832.3.3 virtual void activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 801).

6.832.3.4 virtual void activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 802).

6.832.3.5 virtual int activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 803).

6.832.3.6 virtual void activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 804).

6.832.3.7 virtual void activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller** (p. 806).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**TransactionInfoMarshaller.h**

6.833 activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3981).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/TransactionInfoMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller:

Public Member Functions

- **TransactionInfoMarshaller** ()
- virtual ∼**TransactionInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.833.1 Detailed Description

Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3981).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.833.2 Constructor & Destructor Documentation

6.833.2.1 activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller::TransactionInfoMarshaller ( ) [inline]

6.833.2.2 virtual activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller::∼TransactionInfoMarshaller ( ) [inline, virtual]

6.833.3 Member Function Documentation

6.833.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.833.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.833.3.3 virtual void activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 780).

6.833.3.4 virtual void activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 781).

6.833.3.5 virtual int activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 782).

6.833.3.6 virtual void activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 783).

6.833.3.7 virtual void activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller** (p. 784).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**TransactionInfoMarshaller.h**

6.834 activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3985).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/TransactionInfoMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller:

Public Member Functions

- **TransactionInfoMarshaller** ()
- virtual ~**TransactionInfoMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.834.1 Detailed Description

Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3985). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.834.2 Constructor & Destructor Documentation

6.834.2.1 activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller::TransactionInfoMarshaller ( ) [inline]

6.834.2.2 virtual activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller::∼TransactionInfoMarshaller ( ) [inline, virtual]

6.834.3 Member Function Documentation

6.834.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.834.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.834.3.3 virtual void activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 808).

6.834.3.4 virtual void activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 809).

6.834.3.5 virtual int activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 810).

6.834.3.6 virtual void activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 811).

6.834.3.7 virtual void activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller** (p. 813).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**TransactionInfoMarshaller.h**

6.835 activemq::state::TransactionState Class Reference

```
#include <src/main/activemq/state/TransactionState.h>
```

Public Member Functions

- **TransactionState** (const **Pointer**< **TransactionId** > &id)
- virtual ~**TransactionState** ()
- std::string **toString** () const
- void **addCommand** (const **Pointer**< **Command** > &operation)

- void **checkShutdown** () const

- void **shutdown** ()

- const **StlList**< **Pointer**< **Command** > > & **getCommands** () const

- const **Pointer**< **TransactionId** > & **getId** () const

- void **setPrepared** (bool prepared)

- bool **isPrepared** () const

- void **setPreparedResult** (int preparedResult)

- int **getPreparedResult** () const

- void **addProducerState** (const **Pointer**< **ProducerState** > &producerState)

- std::vector< **Pointer**< **ProducerState** > > **getProducerStates** ()

6.835.1 Constructor & Destructor Documentation

6.835.1.1 activemq::state::TransactionState::TransactionState (const Pointer< TransactionId > & *id*)

6.835.1.2 virtual activemq::state::TransactionState::~TransactionState ( ) [virtual]

6.835.2 Member Function Documentation

6.835.2.1 void activemq::state::TransactionState::addCommand (const Pointer< Command > & *operation*)

6.835.2.2 void activemq::state::TransactionState::addProducerState (const Pointer< ProducerState > & *producerState*)

6.835.2.3 void activemq::state::TransactionState::checkShutdown ( ) const

6.835.2.4 const StlList< Pointer<Command> >& activemq::state::TransactionState::getCommands ( ) const [inline]

6.835.2.5 const Pointer<TransactionId>& activemq::state::TransactionState::getId ( ) const [inline]

6.835.2.6 int activemq::state::TransactionState::getPreparedResult ( ) const [inline]

6.835.2.7 std::vector< Pointer<ProducerState> > activemq::state::TransactionState::getProducerStates ( )

6.835.2.8 bool activemq::state::TransactionState::isPrepared ( ) const [inline]

6.835.2.9 void activemq::state::TransactionState::setPrepared (bool *prepared*) [inline]

6.835.2.10 void activemq::state::TransactionState::setPreparedResult (int *preparedResult*) [inline]

6.835.2.11 void activemq::state::TransactionState::shutdown ( ) [inline]

6.835.2.12 std::string activemq::state::TransactionState::toString ( ) const

The documentation for this class was generated from the following file:

- src/main/activemq/state/**TransactionState.h**

6.836 decaf::internal::util::concurrent::Transferer< E > Class Template Reference

Shared internal API for dual stacks and queues.

`#include <src/main/decaf/internal/util/concurrent/Transferer.h>`

Inheritance diagram for decaf::internal::util::concurrent::Transferer< E >:

6.836.1 Detailed Description

template<typename E> class decaf::internal::util::concurrent::Transferer< E >

Shared internal API for dual stacks and queues.

The documentation for this class was generated from the following file:

- src/main/decaf/internal/util/concurrent/**Transferer.h**

6.837 decaf::internal::util::concurrent::TransferQueue< E > Class Template Reference

This extends Scherer-Scott dual queue algorithm, differing, among other ways, by using modes within nodes rather than marked pointers.

`#include <src/main/decaf/internal/util/concurrent/TransferQueue.h>`

Inheritance diagram for decaf::internal::util::concurrent::TransferQueue< E >:

Public Member Functions

- **TransferQueue** ()

  *Node class for **TransferQueue** (p. 3992).*

- virtual ~**TransferQueue** ()
- virtual void **transfer** (E *e, bool timed, long long nanos) throw (decaf::util::concurrent::TimeoutException, decaf::lang::exceptions::InterruptedException)

  Performs a put.

- virtual E * **transfer** (bool timed, long long nanos) throw (decaf::util::concurrent::TimeoutException, decaf::lang::exceptions::InterruptedException)

  Performs a take.

6.837.1 Detailed Description

template<typename E> class decaf::internal::util::concurrent::TransferQueue< E >

This extends Scherer-Scott dual queue algorithm, differing, among other ways, by using modes within nodes rather than marked pointers. The algorithm is a little simpler than that for stacks because fulfillers do not need explicit nodes, and matching is done by CAS'ing QNode.item field from non-null to null (for put) or vice versa (for take).

6.837.2 Constructor & Destructor Documentation

6.837.2.1 template<typename E > decaf::internal::util::concurrent::TransferQueue< E >::TransferQueue ( ) [inline]

Node class for **TransferQueue** (p. 3992).

Tries to cancel by CAS'ing ref to NULL if that succeeds then we mark as cancelled. Returns true if this node is known to be off the queue because its next pointer has been forgotten due to an advanceHead operation.

6.837.2.2 template<typename E > virtual decaf::internal::util::concurrent::TransferQueue< E >::~TransferQueue ( ) [inline, virtual]

6.837.3 Member Function Documentation

6.837.3.1 template<typename E > virtual void decaf::internal::util::concurrent::TransferQueue< E >::transfer (E * *e*, bool *timed*, long long *nanos*) throw (decaf::util::concurrent::TimeoutException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Performs a put.

Parameters

e	the item to be handed to a consumer;
timed	if this operation should timeout
nanos	the timeout, in nanoseconds

Exceptions

TimeoutException	if the operation timed out waiting for the consumer to accept the item offered.
InterruptedException	if the thread was interrupted while waiting for the consumer to accept the item offered.

Implements **decaf::internal::util::concurrent::Transferer< E >** (p. 3991).

6.837.3.2 template<typename E > virtual E* decaf::internal::util::concurrent::TransferQueue< E >::transfer (bool *timed*, long long *nanos*) throw (decaf::util::concurrent::TimeoutException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Performs a take.

Parameters

timed	if this operation should timeout
nanos	the timeout, in nanoseconds

Returns

the item provided or received;

Exceptions

TimeoutException	if the operation timed out waiting for the producer to offer an item.
InterruptedException	if the thread was interrupted while waiting for the producer to offer an item.

Implements **decaf::internal::util::concurrent::Transferer< E >** (p. 3991).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/util/concurrent/**TransferQueue.h**

6.838 decaf::internal::util::concurrent::TransferStack< E > Class Template Reference

`#include <src/main/decaf/internal/util/concurrent/TransferStack.h>`

Inheritance diagram for decaf::internal::util::concurrent::TransferStack< E >:

Public Member Functions

- **TransferStack** ()
- virtual ~**TransferStack** ()
- virtual void **transfer** (E *e, bool timed, long long nanos) throw (decaf::util::concurrent::TimeoutException, decaf::lang::exceptions::InterruptedException)

  Performs a put.

- virtual E * **transfer** (bool timed, long long nanos) throw (decaf::util::concurrent::TimeoutException, decaf::lang::exceptions::InterruptedException)

Performs a take.

template<typename E> class decaf::internal::util::concurrent::TransferStack< E >

6.838.1 Constructor & Destructor Documentation

6.838.1.1 template<typename E > decaf::internal::util::concurrent::TransferStack< E >::TransferStack ( ) [inline]

6.838.1.2 template<typename E > virtual decaf::internal::util::concurrent::TransferStack< E >::~TransferStack ( ) [inline, virtual]

6.838.2 Member Function Documentation

6.838.2.1 template<typename E > virtual void decaf::internal::util::concurrent::TransferStack< E >::transfer (E * *e*, bool *timed*, long long *nanos*) throw (decaf::util::concurrent::TimeoutException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Performs a put.

Parameters

e	the item to be handed to a consumer;
timed	if this operation should timeout
nanos	the timeout, in nanoseconds

Exceptions

TimeoutException	if the operation timed out waiting for the consumer to accept the item offered.
InterruptedException	if the thread was interrupted while waiting for the consumer to accept the item offered.

Implements **decaf::internal::util::concurrent::Transferer< E >** (p. 3991).

6.838.2.2 template<typename E > virtual E* decaf::internal::util::concurrent::TransferStack< E >::transfer (bool *timed*, long long *nanos*) throw (decaf::util::concurrent::TimeoutException, decaf::lang::exceptions::InterruptedException) [inline, virtual]

Performs a take.

Parameters

timed	if this operation should timeout
nanos	the timeout, in nanoseconds

Returns

the item provided or received;

Exceptions

TimeoutException	if the operation timed out waiting for the producer to offer an item.
InterruptedException	if the thread was interrupted while waiting for the producer to offer an item.

Implements **decaf::internal::util::concurrent::Transferer**< **E** > (p. 3991).

The documentation for this class was generated from the following file:

- src/main/decaf/internal/util/concurrent/**TransferStack.h**

6.839 activemq::transport::Transport Class Reference

Interface for a transport layer for command objects.

`#include <src/main/activemq/transport/Transport.h>`

Inheritance diagram for activemq::transport::Transport:

Public Member Functions

- virtual ~**Transport** ()
- virtual void **start** ()=0 throw (decaf::io::IOException)

  *Starts the **Transport** (p. 3996), the send methods of a **Transport** (p. 3996) will throw an exception if used before the **Transport** (p. 3996) is started.*

- virtual void **stop** ()=0 throw (decaf::io::IOException)

  *Stops the **Transport** (p. 3996).*

- virtual void **oneway** (const **Pointer**< **Command** > &command)=0 throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends a one-way command.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command)=0 throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

Sends the given command to the broker and then waits for the response.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command, unsigned int timeout)=0 throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationExcepti)

  Sends the given command to the broker and then waits for the response.

- virtual void **setWireFormat** (const **Pointer**< **wireformat::WireFormat** > &wireFormat)=0

  Sets the WireFormat instance to use.

- virtual void **setTransportListener** (**TransportListener** *listener)=0

  Sets the observer of asynchronous events from this transport.

- virtual **TransportListener** * **getTransportListener** () const =0

  Gets the observer of asynchronous events from this transport.

- virtual **Transport** * **narrow** (const std::type_info &typeId)=0

  *Narrows down a Chain of Transports to a specific **Transport** (p. 3996) to allow a higher level transport to skip intermediate Transports in certain circumstances.*

- virtual bool **isFaultTolerant** () const =0

  *Is this **Transport** (p. 3996) fault tolerant, meaning that it will reconnect to a broker on disconnect.*

- virtual bool **isConnected** () const =0

  *Is the **Transport** (p. 3996) Connected to its Broker.*

- virtual bool **isClosed** () const =0

  *Has the **Transport** (p. 3996) been shutdown and no longer usable.*

- virtual std::string **getRemoteAddress** () const =0
- virtual void **reconnect** (const **decaf::net::URI** &uri)=0 throw (decaf::io::IOException)

  reconnect to another location

6.839.1 Detailed Description

Interface for a transport layer for command objects. Callers can send oneway messages or make synchronous requests. Non-response messages will be delivered to the specified listener object upon receipt. A user of the **Transport** (p. 3996) can set an exception listener to be notified of errors that occurs in Threads that the **Transport** (p. 3996) layer runs. Transports should be given an instance of a WireFormat object when created so that they can turn the built in Commands to / from the required wire format encoding.

6.839.2 Constructor & Destructor Documentation

6.839.2.1 virtual activemq::transport::Transport::~Transport ( ) [inline, virtual]

6.839.3 Member Function Documentation

6.839.3.1 virtual std::string activemq::transport::Transport::getRemoteAddress ( ) const [pure virtual]

Returns

the remote address for this connection

Implemented in **activemq::transport::failover::FailoverTransport** (p. 1934), **activemq::transport::IOTrans** (p. 2216), **activemq::transport::mock::MockTransport** (p. 2858), and **activemq::transport::TransportFilte** (p. 4008).

6.839.3.2 virtual TransportListener* activemq::transport::Transport::getTransportListener ( ) const [pure virtual]

Gets the observer of asynchronous events from this transport.

Returns

the listener of transport events.

Implemented in **activemq::transport::failover::FailoverTransport** (p. 1935), **activemq::transport::IOTrans** (p. 2216), **activemq::transport::mock::MockTransport** (p. 2858), and **activemq::transport::TransportFilte** (p. 4008).

6.839.3.3 virtual bool activemq::transport::Transport::isClosed ( ) const [pure virtual]

Has the **Transport** (p. 3996) been shutdown and no longer usable.

Returns

true if the **Transport** (p. 3996)

Implemented in **activemq::transport::failover::FailoverTransport** (p. 1935), **activemq::transport::IOTrans** (p. 2216), **activemq::transport::mock::MockTransport** (p. 2859), **activemq::transport::tcp::TcpTransport** (p. 3868), and **activemq::transport::TransportFilter** (p. 4008).

6.839.3.4 virtual bool activemq::transport::Transport::isConnected ( ) const [pure virtual]

Is the **Transport** (p. 3996) Connected to its Broker.

Returns

true if a connection has been made.

Implemented in **activemq::transport::failover::FailoverTransport** (p. 1936), **activemq::transport::IOTransport** (p. 2216), **activemq::transport::mock::MockTransport** (p. 2859), **activemq::transport::tcp::TcpTransport** (p. 3868), and **activemq::transport::TransportFilter** (p. 4008).

6.839.3.5 virtual bool activemq::transport::Transport::isFaultTolerant ( ) const [pure virtual]

Is this **Transport** (p. 3996) fault tolerant, meaning that it will reconnect to a broker on disconnect.

Returns

true if the **Transport** (p. 3996) is fault tolerant.

Implemented in **activemq::transport::failover::FailoverTransport** (p. 1936), **activemq::transport::IOTransport** (p. 2217), **activemq::transport::mock::MockTransport** (p. 2859), **activemq::transport::tcp::TcpTransport** (p. 3868), and **activemq::transport::TransportFilter** (p. 4009).

Referenced by activemq::transport::TransportFilter::isFaultTolerant().

6.839.3.6 virtual Transport* activemq::transport::Transport::narrow (const std::type_info & *typeId*) [pure virtual]

Narrows down a Chain of Transports to a specific **Transport** (p. 3996) to allow a higher level transport to skip intermediate Transports in certain circumstances.

Parameters

typeId	- The type_info of the Object we are searching for.

Returns

the requested Object. or NULL if its not in this chain.

Implemented in **activemq::transport::failover::FailoverTransport** (p. 1937), **activemq::transport::IOTransport** (p. 2217), **activemq::transport::mock::MockTransport** (p. 2860), and **activemq::transport::TransportFilter** (p. 4009).

Referenced by activemq::transport::failover::FailoverTransport::narrow().

6.839.3.7 virtual void activemq::transport::Transport::oneway (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [pure virtual]

Sends a one-way command.

Does not wait for any response from the broker.

Parameters

command	the command to be sent.

Exceptions

IOException	if an exception occurs during writing of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Implemented in **activemq::transport::correlator::ResponseCorrelator** (p. 3386), **activemq::transport::failover::FailoverTransport** (p. 1937), **activemq::transport::inactivity::InactivityMoni** (p. 2068), **activemq::transport::IOTransport** (p. 2217), **activemq::transport::logging::LoggingTransport** (p. 2479), **activemq::transport::mock::MockTransport** (p. 2860), **activemq::transport::TransportFilter** (p. 4010), and **activemq::wireformat::openwire::OpenWireFormatNegotiator** (p. 2987).

6.839.3.8 virtual void activemq::transport::Transport::reconnect (const decaf::net::URI & *uri*) throw (decaf::io::IOException) [pure virtual]

reconnect to another location

Parameters

uri	

Exceptions

IOException	on failure of if not supported

Implemented in **activemq::transport::failover::FailoverTransport** (p. 1938), and **activemq::transport::TransportFilter** (p. 4010).

6.839.3.9 virtual Pointer<Response> activemq::transport::Transport::request (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [pure virtual]

Sends the given command to the broker and then waits for the response.

Parameters

command	the command to be sent.

Returns

the response from the broker.

Exceptions

IOException	if an exception occurs during the read of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Implemented in **activemq::transport::correlator::ResponseCorrelator** (p. 3387), **activemq::transport::failover::FailoverTransport** (p. 1939), **activemq::transport::IOTransport** (p. 2218), **activemq::transport::logging::LoggingTransport** (p. 2479), **activemq::transport::mock::MockTransport** (p. 2861), **activemq::transport::TransportFilter** (p. 4011), and **activemq::wireformat::openwire::OpenWireFormatNeg** (p. 2988).

6.839.3.10 virtual Pointer<Response> activemq::transport::Transport::request (const Pointer< Command > & *command,* unsigned int *timeout*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [pure virtual]

Sends the given command to the broker and then waits for the response.

Parameters

command	- The command to be sent.
timeout	- The time to wait for this response.

Returns

the response from the broker.

Exceptions

IOException	if an exception occurs during the read of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Implemented in **activemq::transport::correlator::ResponseCorrelator** (p. 3387), **activemq::transport::failover::FailoverTransport** (p. 1939), **activemq::transport::IOTransport** (p. 2218), **activemq::transport::logging::LoggingTransport** (p. 2479), **activemq::transport::mock::MockTransport** (p. 2861), **activemq::transport::TransportFilter** (p. 4011), and **activemq::wireformat::openwire::OpenWireFormatNeg** (p. 2989).

6.839.3.11 virtual void activemq::transport::Transport::setTransportListener (TransportListener * *listener*) [pure virtual]

Sets the observer of asynchronous events from this transport.

Parameters

listener	the listener of transport events.

Implemented in **activemq::transport::failover::FailoverTransport** (p. 1941), **activemq::transport::IOTrans** (p. 2219), **activemq::transport::mock::MockTransport** (p. 2863), and **activemq::transport::TransportFilte** (p. 4012).

6.839.3.12 virtual void activemq::transport::Transport::setWireFormat (const Pointer< wireformat::WireFormat > & *wireFormat*) [pure virtual]

Sets the WireFormat instance to use.

Parameters

wireFormat	The WireFormat the object used to encode / decode commands.

Implemented in **activemq::transport::IOTransport** (p. 2220), and **activemq::transport::TransportFilter** (p. 4012).

6.839.3.13 virtual void activemq::transport::Transport::start ( ) throw (decaf::io::IOException) [pure virtual]

Starts the **Transport** (p. 3996), the send methods of a **Transport** (p. 3996) will throw an exception if used before the **Transport** (p. 3996) is started.

Exceptions

IOException	if and error occurs while starting the **Transport** (p. 3996).

Implemented in **activemq::transport::correlator::ResponseCorrelator** (p. 3388), **activemq::transport::failover::FailoverTransport** (p. 1942), **activemq::transport::IOTransport** (p. 2220), **activemq::transport::mock::MockTransport** (p. 2863), **activemq::transport::TransportFilter** (p. 4012), and **activemq::wireformat::openwire::OpenWireFormatNegotiator** (p. 2989).

6.839.3.14 virtual void activemq::transport::Transport::stop ( ) throw (decaf::io::IOException) [pure virtual]

Stops the **Transport** (p. 3996).

Exceptions

IOException	if an error occurs while stopping the transport.

Implemented in **activemq::transport::failover::FailoverTransport** (p. 1942), **activemq::transport::IOTrans** (p. 2220), **activemq::transport::mock::MockTransport** (p. 2864), and **activemq::transport::TransportFilte** (p. 4012).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/**Transport.h**

6.840 activemq::transport::TransportFactory Class Reference

Defines the interface for Factories that create Transports or TransportFilters.

`#include <src/main/activemq/transport/TransportFactory.h>`

Inheritance diagram for activemq::transport::TransportFactory:

Public Member Functions

- virtual ~**TransportFactory** ()
- virtual **Pointer**< **Transport** > **create** (const **decaf::net::URI** &location)=0 throw (exceptions::ActiveMQException)

  *Creates a fully configured **Transport** (p. 3996) instance which could be a chain of filters and transports.*

- virtual **Pointer**< **Transport** > **createComposite** (const **decaf::net::URI** &location)=0 throw (exceptions::ActiveMQException)

  *Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.*

6.840.1 Detailed Description

Defines the interface for Factories that create Transports or TransportFilters. The factory should be able to create either a completely configured **Transport** (p. 3996) meaning that it has all the appropriate filters wrapping it, or it should be able to create a slimed down version that is used in composite transports like Failover or Fanout.

Since

3.0

6.840.2 Constructor & Destructor Documentation

6.840.2.1 virtual activemq::transport::TransportFactory::~TransportFactory ( ) [inline, virtual]

6.840.3 Member Function Documentation

6.840.3.1 virtual Pointer<Transport> activemq::transport::TransportFactory::create (const decaf::net::URI & *location*) throw (exceptions::ActiveMQException) [pure virtual]

Creates a fully configured **Transport** (p. 3996) instance which could be a chain of filters and transports.

Parameters

location	- URI location to connect to plus any properties to assign.

Exceptions

ActiveMQException	if an error occurs

Implemented in **activemq::transport::failover::FailoverTransportFactory** (p. 1944), **activemq::transport::mock::MockTransportFactory** (p. 2865), and **activemq::transport::tcp::TcpTranspo** (p. 3870).

6.840.3.2 virtual Pointer<Transport> activemq::transport::TransportFactory::createComposite (const decaf::net::URI & *location*) throw (exceptions::ActiveMQException) [pure virtual]

Creates a slimed down **Transport** (p. 3996) instance which can be used in composite transport instances.

Parameters

location	- URI location to connect to plus any properties to assign.

Exceptions

ActiveMQException	if an error occurs

Implemented in **activemq::transport::failover::FailoverTransportFactory** (p. 1944), **activemq::transport::mock::MockTransportFactory** (p. 2865), and **activemq::transport::tcp::TcpTranspo** (p. 3870).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/**TransportFactory.h**

6.841 activemq::transport::TransportFilter Class Reference

A filter on the transport layer.

`#include <src/main/activemq/transport/TransportFilter.h>`

Inheritance diagram for activemq::transport::TransportFilter:

Public Member Functions

- **TransportFilter** (const **Pointer**< **Transport** > &**next**)

Constructor.

- virtual ~**TransportFilter** ()
- virtual void **onCommand** (const **Pointer**< **Command** > &command)

  Event handler for the receipt of a command.

- virtual void **onException** (const **decaf::lang::Exception** &ex)

  Event handler for an exception from a command transport.

- virtual void **transportInterrupted** ()

  The transport has suffered an interruption from which it hopes to recover.

- virtual void **transportResumed** ()

  The transport has resumed after an interruption.

- virtual void **oneway** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Sends a one-way command.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Not supported by this class - throws an exception.

- virtual **Pointer**< **Response** > **request** (const **Pointer**< **Command** > &command, unsigned int timeout) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException)

  Not supported by this class - throws an exception.

- virtual void **setTransportListener** (**TransportListener** ∗**listener**)

  Sets the observer of asynchronous exceptions from this transport.

- virtual **TransportListener** ∗ **getTransportListener** () const

  Gets the observer of asynchronous exceptions from this transport.

- virtual void **setWireFormat** (const **Pointer**< **wireformat::WireFormat** > &wireFormat)

  Sets the WireFormat instance to use.

- virtual void **start** () throw (decaf::io::IOException)

  Starts this transport object and creates the thread for polling on the input stream for commands.

- virtual void **stop** () throw (decaf::io::IOException)

  *Stops the **Transport** (p. 3996).*

- virtual void **close** () throw (decaf::io::IOException)

  Stops the polling thread and closes the streams.

- virtual **Transport** ∗ **narrow** (const std::type_info &typeId)

  *Narrows down a Chain of Transports to a specific **Transport** (p. 3996) to allow a higher level transport to skip intermediate Transports in certain circumstances.*

- virtual bool **isFaultTolerant** () const

  *Is this **Transport** (p. 3996) fault tolerant, meaning that it will reconnect to a broker on disconnect.*

- virtual bool **isConnected** () const

  *Is the **Transport** (p. 3996) Connected to its Broker.*

- virtual bool **isClosed** () const

  *Has the **Transport** (p. 3996) been shutdown and no longer usable.*

- virtual std::string **getRemoteAddress** () const
- virtual void **reconnect** (const **decaf::net::URI** &uri) throw (decaf::io::IOException)

  reconnect to another location

Protected Member Functions

- void **fire** (const **decaf::lang::Exception** &ex)

  Notify the listener of the thrown Exception.

- void **fire** (const **Pointer**< **Command** > &command)

  Notify the listener of the new incoming Command.

Protected Attributes

- **Pointer**< **Transport** > **next**

  The transport that this filter wraps around.

- **TransportListener** ∗ **listener**

  Listener of this transport.

6.841.1 Detailed Description

A filter on the transport layer. **Transport** (p. 3996) filters implement the **Transport** (p. 3996) interface and optionally delegate calls to another **Transport** (p. 3996) object.

Since

1.0

6.841.2 Constructor & Destructor Documentation

6.841.2.1 activemq::transport::TransportFilter::TransportFilter (const Pointer< Transport > & *next*)

Constructor.

Parameters

next	- the next **Transport** (p. 3996) in the chain

6.841.2.2 virtual activemq::transport::TransportFilter::~TransportFilter ( ) [inline, virtual]

6.841.3 Member Function Documentation

6.841.3.1 virtual void activemq::transport::TransportFilter::close ( ) throw (decaf::io::IOException) [virtual]

Stops the polling thread and closes the streams.

This can be called explicitly, but is also called in the destructor. Once this object has been closed, it cannot be restarted.

Exceptions

IOException	if an error occurs while closing the **Transport** (p. 3996).

Implements **decaf::io::Closeable** (p. 1181).

Reimplemented in **activemq::transport::correlator::ResponseCorrelator** (p. 3386), **activemq::transport::inactivity::InactivityMonitor** (p. 2067), **activemq::transport::tcp::TcpTransport** (p. 3867), and **activemq::wireformat::openwire::OpenWireFormatNegotiator** (p. 2987).

6.841.3.2 void activemq::transport::TransportFilter::fire (const Pointer< Command > & *command*) [protected]

Notify the listener of the new incoming Command.

Parameters

command	- the command to send to the listener

6.841.3.3 void activemq::transport::TransportFilter::fire (const decaf::lang::Exception & *ex*) [protected]

Notify the listener of the thrown Exception.

Parameters

ex	- the exception to send to listeners

6.841.3.4 virtual std::string activemq::transport::TransportFilter::getRemoteAddress ( ) const [inline, virtual]

Returns

the remote address for this connection

Implements **activemq::transport::Transport** (p. 3998).

6.841.3.5 virtual TransportListener* activemq::transport::TransportFilter::getTransportListener ( ) const [inline, virtual]

Gets the observer of asynchronous exceptions from this transport.

Returns

The listener of transport events.

Implements **activemq::transport::Transport** (p. 3998).

6.841.3.6 virtual bool activemq::transport::TransportFilter::isClosed ( ) const [inline, virtual]

Has the **Transport** (p. 3996) been shutdown and no longer usable.

Returns

true if the **Transport** (p. 3996)

Implements **activemq::transport::Transport** (p. 3998).

Reimplemented in **activemq::transport::tcp::TcpTransport** (p. 3868).

6.841.3.7 virtual bool activemq::transport::TransportFilter::isConnected ( ) const [inline, virtual]

Is the **Transport** (p. 3996) Connected to its Broker.

Returns

true if a connection has been made.

Implements **activemq::transport::Transport** (p. 3998).

Reimplemented in **activemq::transport::tcp::TcpTransport** (p. 3868).

6.841.3.8 virtual bool activemq::transport::TransportFilter::isFaultTolerant ( ) const [inline, virtual]

Is this **Transport** (p. 3996) fault tolerant, meaning that it will reconnect to a broker on disconnect.

Returns

true if the **Transport** (p. 3996) is fault tolerant.

Implements **activemq::transport::Transport** (p. 3999).

Reimplemented in **activemq::transport::tcp::TcpTransport** (p. 3868).

References activemq::transport::Transport::isFaultTolerant().

6.841.3.9 virtual Transport* activemq::transport::TransportFilter::narrow (const std::type_info & *typeId*) [virtual]

Narrows down a Chain of Transports to a specific **Transport** (p. 3996) to allow a higher level transport to skip intermediate Transports in certain circumstances.

Parameters

typeId	- The type_info of the Object we are searching for.

Returns

the requested Object. or NULL if its not in this chain.

Implements **activemq::transport::Transport** (p. 3999).

6.841.3.10 virtual void activemq::transport::TransportFilter::onCommand (const Pointer< Command > & *command*) [virtual]

Event handler for the receipt of a command.

Parameters

command	- the received command object.

Implements **activemq::transport::TransportListener** (p. 4014).

Reimplemented in **activemq::transport::correlator::ResponseCorrelator** (p. 3386), **activemq::transport::inactivity::InactivityMonitor** (p. 2067), **activemq::transport::logging::LoggingTran** (p. 2478), and **activemq::wireformat::openwire::OpenWireFormatNegotiator** (p. 2987).

6.841.3.11 virtual void activemq::transport::TransportFilter::oneway (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

Sends a one-way command.

Does not wait for any response from the broker.

Parameters

command	the command to be sent.

Exceptions

IOException	if an exception occurs during writing of the command.
UnsupportedOperationException	if this method is not implemented by this transport.

Implements **activemq::transport::Transport** (p. 3999).

Reimplemented in **activemq::transport::correlator::ResponseCorrelator** (p. 3386), **activemq::transport::inactivity::InactivityMonitor** (p. 2068), **activemq::transport::logging::LoggingTran** (p. 2479), and **activemq::wireformat::openwire::OpenWireFormatNegotiator** (p. 2987).

6.841.3.12 virtual void activemq::transport::TransportFilter::onException (const decaf::lang::Exception & *ex*) [virtual]

Event handler for an exception from a command transport.

Parameters

ex	The exception to handle.

Implements **activemq::transport::TransportListener** (p. 4015).

Reimplemented in **activemq::transport::inactivity::InactivityMonitor** (p. 2068).

6.841.3.13 virtual void activemq::transport::TransportFilter::reconnect (const decaf::net::URI & *uri*) throw (decaf::io::IOException) [virtual]

reconnect to another location

Parameters

uri	

Exceptions

IOException	on failure of if not supported

Implements **activemq::transport::Transport** (p. 4000).

6.841.3.14 virtual Pointer<Response> activemq::transport::TransportFilter::request (const Pointer< Command > & *command,* unsigned int *timeout*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

Not supported by this class - throws an exception.

Parameters

command	- The command that is sent as a request
timeout	- The the time to wait for a response.

Exceptions

IOException	
UnsupportedOperationException.	

Implements **activemq::transport::Transport** (p. 4001).

Reimplemented in **activemq::transport::correlator::ResponseCorrelator** (p. 3387), **activemq::transport::logging::LoggingTransport** (p. 2479), and **activemq::wireformat::openwire::OpenWireFormatN** (p. 2989).

6.841.3.15 virtual Pointer<Response> activemq::transport::TransportFilter::request (const Pointer< Command > & *command*) throw (decaf::io::IOException, decaf::lang::exceptions::UnsupportedOperationException) [inline, virtual]

Not supported by this class - throws an exception.

Parameters

command	the command that is sent as a request

Exceptions

IOException	
UnsupportedOperationException.	

Implements **activemq::transport::Transport** (p. 4000).

Reimplemented in **activemq::transport::correlator::ResponseCorrelator** (p. 3387), **activemq::transport::logging::LoggingTransport** (p. 2479), and **activemq::wireformat::openwire::OpenW** (p. 2988).

6.841.3.16 virtual void activemq::transport::TransportFilter::setTransportListener (TransportListener * *listener*) [inline, virtual]

Sets the observer of asynchronous exceptions from this transport.

Parameters

listener	the listener of transport events.

Implements **activemq::transport::Transport** (p. 4001).

6.841.3.17 virtual void activemq::transport::TransportFilter::setWireFormat (const Pointer< wireformat::WireFormat > & *wireFormat*) [inline, virtual]

Sets the WireFormat instance to use.

Parameters

wireFormat	The WireFormat the object used to encode / decode commands.

Implements **activemq::transport::Transport** (p. 4002).

6.841.3.18 virtual void activemq::transport::TransportFilter::start ( ) throw (decaf::io::IOException) [virtual]

Starts this transport object and creates the thread for polling on the input stream for commands.

If this object has been closed, throws an exception. Before calling start, the caller must set the IO streams and the reader and writer objects.

Exceptions

IOException	if an error occurs or if this transport has already been closed.

Implements **activemq::transport::Transport** (p. 4002).

Reimplemented in **activemq::transport::correlator::ResponseCorrelator** (p. 3388), and **activemq::wireformat::openwire::OpenWireFormatNegotiator** (p. 2989).

6.841.3.19 virtual void activemq::transport::TransportFilter::stop ( ) throw (decaf::io::IOException) [virtual]

Stops the **Transport** (p. 3996).

Exceptions

IOException	if an error occurs while stopping the **Transport** (p. 3996).

Implements **activemq::transport::Transport** (p. 4002).

6.841.3.20 virtual void activemq::transport::TransportFilter::transportInterrupted ( )

`[virtual]`

The transport has suffered an interruption from which it hopes to recover.

Implements **activemq::transport::TransportListener** (p. 4015).

6.841.3.21 virtual void activemq::transport::TransportFilter::transportResumed ( )

`[virtual]`

The transport has resumed after an interruption.

Implements **activemq::transport::TransportListener** (p. 4015).

6.841.4 Field Documentation

6.841.4.1 TransportListener* activemq::transport::TransportFilter::listener

`[protected]`

Listener of this transport.

6.841.4.2 Pointer<Transport> activemq::transport::TransportFilter::next

`[protected]`

The transport that this filter wraps around.

The documentation for this class was generated from the following file:

- src/main/activemq/transport/**TransportFilter.h**

6.842 activemq::transport::TransportListener Class Reference

A listener of asynchronous exceptions from a command transport object.

`#include <src/main/activemq/transport/TransportListener.h>`

Inheritance diagram for activemq::transport::TransportListener:

Public Member Functions

- virtual ~**TransportListener** ()
- virtual void **onCommand** (const **Pointer**< **Command** > &command)=0

  Event handler for the receipt of a command.

- virtual void **onException** (const **decaf::lang::Exception** &ex)=0

  Event handler for an exception from a command transport.

- virtual void **transportInterrupted** ()=0

  The transport has suffered an interruption from which it hopes to recover.

- virtual void **transportResumed** ()=0

  The transport has resumed after an interruption.

6.842.1 Detailed Description

A listener of asynchronous exceptions from a command transport object.

6.842.2 Constructor & Destructor Documentation

6.842.2.1 virtual activemq::transport::TransportListener::~TransportListener ( ) [inline, virtual]

6.842.3 Member Function Documentation

6.842.3.1 virtual void activemq::transport::TransportListener::onCommand (const Pointer< Command > & *command*) [pure virtual]

Event handler for the receipt of a command.

The transport passes off all received commands to its listeners, the listener then owns the Object. If there is no registered listener the **Transport** (p. 3996) deletes the command upon receipt.

Parameters

command	the received command object.

Implemented in **activemq::core::ActiveMQConnection** (p. 274), **activemq::transport::correlator::Response**
(p. 3386), **activemq::transport::failover::FailoverTransportListener** (p. 1946), **activemq::transport::inactivity::InactivityMonitor** (p. 2067), **activemq::transport::logging::LoggingTransp**
(p. 2478), **activemq::transport::mock::InternalCommandListener** (p. 2193), **activemq::transport::TransportFilter** (p. 4009), and **activemq::wireformat::openwire::OpenWireFormatNe**
(p. 2987).

6.842.3.2 virtual void activemq::transport::TransportListener::onException (const decaf::lang::Exception & *ex*) [pure virtual]

Event handler for an exception from a command transport.

Parameters

ex	The exception being propagated to this listener to handle.

Implemented in **activemq::core::ActiveMQConnection** (p. 275), **activemq::transport::failover::BackupTransport** (p. 760), **activemq::transport::failover::FailoverTransportListener** (p. 1946), **activemq::transport::inactivity::InactivityMonitor** (p. 2068), and **activemq::transport::TransportFilter** (p. 4010).

6.842.3.3 virtual void activemq::transport::TransportListener::transportInterrupted ( ) [pure virtual]

The transport has suffered an interruption from which it hopes to recover.

Implemented in **activemq::core::ActiveMQConnection** (p. 281), **activemq::transport::DefaultTransportListener** (p. 1758), **activemq::transport::failover::FailoverTransportListener** (p. 1947), and **activemq::transport::TransportFilter** (p. 4013).

6.842.3.4 virtual void activemq::transport::TransportListener::transportResumed ( ) [pure virtual]

The transport has resumed after an interruption.

Implemented in **activemq::core::ActiveMQConnection** (p. 281), **activemq::transport::DefaultTransportListener** (p. 1758), **activemq::transport::failover::FailoverTransportListener** (p. 1947), and **activemq::transport::TransportFilter** (p. 4013).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/**TransportListener.h**

6.843 activemq::transport::TransportRegistry Class Reference

Registry of all **Transport** (p. 3996) Factories that are available to the client at runtime.

```
#include <src/main/activemq/transport/TransportRegistry.h>
```

Public Member Functions

- virtual ~**TransportRegistry** ()
- **TransportFactory** * **findFactory** (const std::string &name) const throw (decaf::lang::exceptions::NoSuchElementException)

*Gets a Registered **TransportFactory** (p. 4003) from the Registry and returns it if there is not a registered format factory with the given name an exception is thrown.*

- void **registerFactory** (const std::string &name, **TransportFactory** *factory) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::NullPointerException)

  *Registers a new **TransportFactory** (p. 4003) with this Registry.*

- void **unregisterFactory** (const std::string &name)

  Unregisters the Factory with the given name and deletes that instance of the Factory.

- std::vector< std::string > **getTransportNames** () const

  Retrieves a list of the names of all the Registered Transport's in this Registry.

Static Public Member Functions

- static **TransportRegistry** & **getInstance** ()

  *Gets the single instance of the **TransportRegistry** (p. 4015).*

6.843.1 Detailed Description

Registry of all **Transport** (p. 3996) Factories that are available to the client at runtime. New Transport's must have a factory registered here before a connection attempt is made.

Since

3.0

6.843.2 Constructor & Destructor Documentation

6.843.2.1 virtual activemq::transport::TransportRegistry::~TransportRegistry ( ) [virtual]

6.843.3 Member Function Documentation

6.843.3.1 TransportFactory* activemq::transport::TransportRegistry::findFactory (const std::string & *name*) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets a Registered **TransportFactory** (p. 4003) from the Registry and returns it if there is not a registered format factory with the given name an exception is thrown.

Parameters

name	The name of the Factory to find in the Registry.

Returns

the Factory registered under the given name.

Exceptions

NoSuchElementException	if no factory is registered with that name.

6.843.3.2 static TransportRegistry& activemq::transport::TransportRegistry::getInstance ( ) [static]

Gets the single instance of the **TransportRegistry** (p. 4015).

Returns

reference to the single instance of this Registry

6.843.3.3 std::vector<std::string> activemq::transport::TransportRegistry::getTransportNames ( ) const

Retrieves a list of the names of all the Registered Transport's in this Registry.

Returns

stl vector of strings with all the **Transport** (p. 3996) names registered.

6.843.3.4 void activemq::transport::TransportRegistry::registerFactory (const std::string & *name*, TransportFactory * *factory*) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::NullPointerException)

Registers a new **TransportFactory** (p. 4003) with this Registry.

If a Factory with the given name is already registered it is overwritten with the new one. Once a factory is added to the Registry its lifetime is controlled by the Registry, it will be deleted once the Registry has been deleted.

Parameters

name	The name of the new Factory to register.
factory	The new Factory to add to the Registry.

Exceptions

IllegalArgumentException	is name is the empty string.
NullPointerException	if the Factory is Null.

6.843.3.5 void activemq::transport::TransportRegistry::unregisterFactory (const std::string & *name*)

Unregisters the Factory with the given name and deletes that instance of the Factory.

Parameters

name	Name of the Factory to unregister and destroy

The documentation for this class was generated from the following file:

- src/main/activemq/transport/**TransportRegistry.h**

6.844 tree_desc_s Struct Reference

```
#include <src/main/decaf/internal/util/zip/deflate.h>
```

Data Fields

- **ct_data** ∗ **dyn_tree**
- int **max_code**
- **static_tree_desc** ∗ **stat_desc**

6.844.1 Field Documentation

6.844.1.1 ct_data∗ tree_desc_s::dyn_tree

6.844.1.2 int tree_desc_s::max_code

6.844.1.3 static_tree_desc∗ tree_desc_s::stat_desc

The documentation for this struct was generated from the following file:

- src/main/decaf/internal/util/zip/**deflate.h**

6.845 decaf::lang::Thread::UncaughtExceptionHandler Class Reference

Interface for handlers invoked when a **Thread** (p. 3876) abruptly terminates due to an uncaught exception.

```
#include <src/main/decaf/lang/Thread.h>
```

Public Member Functions

- virtual ~**UncaughtExceptionHandler** ()
- virtual void **uncaughtException** (const **Thread** *thread, const **Throwable** &error)=0 throw ()

  Method invoked when the given thread terminates due to the given uncaught exception.

6.845.1 Detailed Description

Interface for handlers invoked when a **Thread** (p. 3876) abruptly terminates due to an uncaught exception.

6.845.2 Constructor & Destructor Documentation

6.845.2.1 virtual decaf::lang::Thread::UncaughtExceptionHandler::~UncaughtExceptionHandler ( ) [inline, virtual]

6.845.3 Member Function Documentation

6.845.3.1 virtual void decaf::lang::Thread::UncaughtExceptionHandler::uncaughtException (const Thread * *thread,* const Throwable & *error*) throw () [pure virtual]

Method invoked when the given thread terminates due to the given uncaught exception.

This method is defined to indicate that it will not throw an exception, throwing and exception from this method will on most systems result in a segmentation fault.

The documentation for this class was generated from the following file:

- src/main/decaf/lang/**Thread.h**

6.846 decaf::net::UnknownHostException Class Reference

```
#include <src/main/decaf/net/UnknownHostException.h>
```

Inheritance diagram for decaf::net::UnknownHostException:

Public Member Functions

- **UnknownHostException** () throw ()

  Default Constructor.

- **UnknownHostException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **UnknownHostException** (const **UnknownHostException** &ex) throw ()

  Copy Constructor.

- **UnknownHostException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **UnknownHostException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **UnknownHostException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **UnknownHostException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**UnknownHostException** () throw ()

6.846.1 Constructor & Destructor Documentation

6.846.1.1 decaf::net::UnknownHostException::UnknownHostException ( ) throw () [inline]

Default Constructor.

6.846.1.2 decaf::net::UnknownHostException::UnknownHostException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.846.1.3 decaf::net::UnknownHostException::UnknownHostException (const UnknownHostException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.846.1.4 decaf::net::UnknownHostException::UnknownHostException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.846.1.5 decaf::net::UnknownHostException::UnknownHostException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.846.1.6 decaf::net::UnknownHostException::UnknownHostException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.846.1.7 virtual decaf::net::UnknownHostException::~UnknownHostException ( ) throw () [inline, virtual]

6.846.2 Member Function Documentation

6.846.2.1 virtual UnknownHostException* decaf::net::UnknownHostException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new Exception instance that is a copy of this Exception object.

Reimplemented from **decaf::io::IOException** (p. 2212).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**UnknownHostException.h**

6.847 decaf::net::UnknownServiceException Class Reference

`#include <src/main/decaf/net/UnknownServiceException.h>`

Inheritance diagram for decaf::net::UnknownServiceException:

Public Member Functions

- **UnknownServiceException** () throw ()

  Default Constructor.

- **UnknownServiceException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **UnknownServiceException** (const **UnknownServiceException** &ex) throw ()

  Copy Constructor.

- **UnknownServiceException** (const char *file, const int lineNumber, const std::exception ***cause**, const char *msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **UnknownServiceException** (const std::exception ***cause**) throw ()

Constructor.

- **UnknownServiceException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **UnknownServiceException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**UnknownServiceException** () throw ()

6.847.1 Constructor & Destructor Documentation

6.847.1.1 decaf::net::UnknownServiceException::UnknownServiceException ( ) throw () [inline]

Default Constructor.

6.847.1.2 decaf::net::UnknownServiceException::UnknownServiceException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.847.1.3 decaf::net::UnknownServiceException::UnknownServiceException (const UnknownServiceException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.847.1.4 decaf::net::UnknownServiceException::UnknownServiceException (const char ∗ *file,* const int *lineNumber,* const std::exception ∗ *cause,* const char ∗ *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.847.1.5 decaf::net::UnknownServiceException::UnknownServiceException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.847.1.6 decaf::net::UnknownServiceException::UnknownServiceException (const char * *file,* const int *lineNumber,* const char * *msg,* ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.847.1.7 virtual decaf::net::UnknownServiceException::~UnknownServiceException ( ) throw () [inline, virtual]

6.847.2 Member Function Documentation

6.847.2.1 virtual UnknownServiceException* decaf::net::UnknownServiceException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new Exception instance that is a copy of this Exception object.

Reimplemented from **decaf::io::IOException** (p. 2212).

The documentation for this class was generated from the following file:

- src/main/decaf/net/**UnknownServiceException.h**

6.848 decaf::io::UnsupportedEncodingException Class Reference

Thrown when the the Character Encoding is not supported.

`#include <src/main/decaf/io/UnsupportedEncodingException.h>`

Inheritance diagram for decaf::io::UnsupportedEncodingException:

Public Member Functions

- **UnsupportedEncodingException** () throw ()

  Default Constructor.

- **UnsupportedEncodingException** (const **lang::Exception** &ex) throw ()

  Copy Constructor.

- **UnsupportedEncodingException** (const **UnsupportedEncodingException** &ex) throw ()

  Copy Constructor.

- **UnsupportedEncodingException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **UnsupportedEncodingException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **UnsupportedEncodingException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor.

- virtual **UnsupportedEncodingException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**UnsupportedEncodingException** () throw ()

6.848.1 Detailed Description

Thrown when the the Character Encoding is not supported.

Since

1.0

6.848.2 Constructor & Destructor Documentation

6.848.2.1 decaf::io::UnsupportedEncodingException::UnsupportedEncodingException ( ) throw () [inline]

Default Constructor.

6.848.2.2 decaf::io::UnsupportedEncodingException::UnsupportedEncodingException (const lang::Exception & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy

6.848.2.3 decaf::io::UnsupportedEncodingException::UnsupportedEncodingException (const UnsupportedEncodingException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy, which is an instance of this type

6.848.2.4 decaf::io::UnsupportedEncodingException::UnsupportedEncodingException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.848.2.5 decaf::io::UnsupportedEncodingException::UnsupportedEncodingException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.848.2.6 decaf::io::UnsupportedEncodingException::UnsupportedEncodingException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor.

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.848.2.7 virtual decaf::io::UnsupportedEncodingException::~UnsupportedEncodingException ( ) throw () [inline, virtual]

6.848.3 Member Function Documentation

6.848.3.1 virtual UnsupportedEncodingException* decaf::io::UnsupportedEncodingException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A new instance of an Exception object that is a copy of this instance.

Reimplemented from **decaf::io::IOException** (p. 2212).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**UnsupportedEncodingException.h**

6.849 decaf::lang::exceptions::UnsupportedOperationException Class Reference

`#include <src/main/decaf/lang/exceptions/UnsupportedOperationException.h>`

Inheritance diagram for decaf::lang::exceptions::UnsupportedOperationException:

Public Member Functions

- **UnsupportedOperationException** () throw ()

  Default Constructor.

- **UnsupportedOperationException** (const **Exception** &ex) throw ()

  *Conversion Constructor from some other **Exception*** (p. *1886).*

- **UnsupportedOperationException** (const **UnsupportedOperationException** &ex) throw ()

  Copy Constructor.

- **UnsupportedOperationException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **UnsupportedOperationException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **UnsupportedOperationException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **UnsupportedOperationException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**UnsupportedOperationException** () throw ()

6.849.1 Constructor & Destructor Documentation

6.849.1.1 decaf::lang::exceptions::UnsupportedOperationException::UnsupportedOperationException ( ) throw () [inline]

Default Constructor.

6.849.1.2 decaf::lang::exceptions::UnsupportedOperationException::UnsupportedOperationException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other **Exception** (p. 1886).

Parameters

ex	An exception that should become this type of **Exception** (p. 1886)

6.849.1.3 decaf::lang::exceptions::UnsupportedOperationException::UnsupportedOperationException (const UnsupportedOperationException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of **Exception** (p. 1886)

6.849.1.4 decaf::lang::exceptions::UnsupportedOperationException::UnsupportedOperationException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.849.1.5 decaf::lang::exceptions::UnsupportedOperationException::UnsupportedOperationException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	**Pointer** (p. 3032) to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.849.1.6 decaf::lang::exceptions::UnsupportedOperationException::UnsupportedOperationException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.849.1.7 virtual decaf::lang::exceptions::UnsupportedOperationException::~UnsupportedOperationException ( ) throw () [inline, virtual]

6.849.2 Member Function Documentation

6.849.2.1 virtual UnsupportedOperationException* decaf::lang::exceptions::UnsupportedOperationException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

an new **Exception** (p. 1886) instance that is a copy of this one.

Reimplemented from **decaf::lang::Exception** (p. 1889).

Reimplemented in **decaf::nio::ReadOnlyBufferException** (p. 3263).

The documentation for this class was generated from the following file:

- src/main/decaf/lang/exceptions/**UnsupportedOperationException.h**

6.850 cms::UnsupportedOperationException Class Reference

This exception must be thrown when a CMS client attempts use a CMS method that is not implemented or not supported by the CMS Provider in use.

`#include <src/main/cms/UnsupportedOperationException.h>`

Inheritance diagram for cms::UnsupportedOperationException:

Public Member Functions

- **UnsupportedOperationException** () throw ()
- **UnsupportedOperationException** (const **UnsupportedOperationException** &ex) throw ()
- **UnsupportedOperationException** (const std::string &message, const std::exception *cause) throw ()
- **UnsupportedOperationException** (const std::string &message, const std::exception *cause, const std::vector< std::pair< std::string, int > > &stackTrace) throw ()
- virtual ~**UnsupportedOperationException** () throw ()

6.850.1 Detailed Description

This exception must be thrown when a CMS client attempts use a CMS method that is not implemented or not supported by the CMS Provider in use.

Since

2.0

6.850.2 Constructor & Destructor Documentation

6.850.2.1 cms::UnsupportedOperationException::UnsupportedOperationException ( ) throw ()

6.850.2.2 cms::UnsupportedOperationException::UnsupportedOperationException (const UnsupportedOperationException & *ex*) throw ()

6.850.2.3 cms::UnsupportedOperationException::UnsupportedOperationException (const std::string & *message,* const std::exception * *cause*) throw ()

6.850.2.4 cms::UnsupportedOperationException::UnsupportedOperationException (const std::string & *message,* const std::exception * *cause,* const std::vector< std::pair< std::string, int > > & *stackTrace*) throw ()

6.850.2.5 virtual cms::UnsupportedOperationException::~UnsupportedOperationException ( ) throw () [virtual]

The documentation for this class was generated from the following file:

- src/main/cms/**UnsupportedOperationException.h**

6.851 decaf::net::URI Class Reference

This class represents an instance of a **URI** (p. 4031) as defined by RFC 2396.

```
#include <src/main/decaf/net/URI.h>
```

Inheritance diagram for decaf::net::URI:

Public Member Functions

- **URI** ()

  Default Constructor, same as calling a Constructor with all fields empty.

- **URI** (const **URI** &uri) throw (URISyntaxException)

  *Constructs a **URI** (p. 4031) as a copy of another **URI** (p. 4031).*

- **URI** (const std::string &uri) throw (URISyntaxException)

  *Constructs a **URI** (p. 4031) from the given string.*

- **URI** (const std::string &scheme, const std::string &ssp, const std::string &fragment) throw (URISyntaxException)

  *Constructs a **URI** (p. 4031) from the given components.*

- **URI** (const std::string &scheme, const std::string &userInfo, const std::string &host, int port, const std::string &path, const std::string &query, const std::string &fragment) throw (URISyntaxException)

  *Constructs a **URI** (p. 4031) from the given components.*

- **URI** (const std::string &scheme, const std::string &host, const std::string &path, const std::string &fragment) throw (URISyntaxException)

  *Constructs a **URI** (p. 4031) from the given components.*

- **URI** (const std::string &scheme, const std::string &authority, const std::string &path, const std::string &query, const std::string &fragment) throw (URISyntaxException)

  *Constructs a **URI** (p. 4031) from the given components.*

- virtual ~**URI** ()
- virtual int **compareTo** (const **URI** &value) const

  Compares this object with the specified object for order.

- virtual bool **equals** (const **URI** &value) const
- virtual bool **operator==** (const **URI** &value) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const **URI** &value) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- std::string **getAuthority** () const

- std::string **getFragment** () const
- std::string **getHost** () const
- std::string **getPath** () const
- int **getPort** () const
- std::string **getQuery** () const
- std::string **getScheme** () const
- std::string **getUserInfo** () const
- std::string **getRawAuthority** () const

  *Returns the raw authority component of this **URI** (p. 4031).*

- std::string **getRawFragment** () const

  *Returns the raw fragment component of this **URI** (p. 4031).*

- std::string **getRawPath** () const

  *Returns the raw path component of this **URI** (p. 4031).*

- std::string **getRawQuery** () const

  *Returns the raw query component of this **URI** (p. 4031).*

- std::string **getRawSchemeSpecificPart** () const

  *Returns the raw scheme-specific part of this **URI** (p. 4031).*

- std::string **getSchemeSpecificPart** () const

  *Returns the decoded scheme-specific part of this **URI** (p. 4031).*

- std::string **getRawUserInfo** () const

  *Returns the raw user-information component of this **URI** (p. 4031).*

- bool **isAbsolute** () const

  *Tells whether or not this **URI** (p. 4031) is absolute.*

- bool **isOpaque** () const

  *Tells whether or not this **URI** (p. 4031) is opaque.*

- **URI normalize** () const

  Normalizes this URI's path.

- **URI parseServerAuthority** () const throw (URISyntaxException)

  Attempts to parse this URI's authority component, if defined, into user-information, host, and port components.

- **URI relativize** (const **URI** &uri) const

  *Relativizes the given **URI** (p. 4031) against this **URI** (p. 4031).*

- **URI resolve** (const std::string &str) const throw (lang::exceptions::IllegalArgumentException)

*Constructs a new **URI** (p. 4031) by parsing the given string and then resolving it against this **URI** (p. 4031).*

- **URI resolve** (const **URI** &uri) const

  *Resolves the given **URI** (p. 4031) against this **URI** (p. 4031).*

- std::string **toString** () const

  *Returns the content of this **URI** (p. 4031) as a string.*

- **URL toURL** () const throw (MalformedURLException, lang::exceptions::IllegalArgumentException)

  *Constructs a **URL** (p. 4072) from this **URI** (p. 4031).*

Static Public Member Functions

- static **URI create** (const std::string uri) throw (lang::exceptions::IllegalArgumentException)

  *Creates a **URI** (p. 4031) by parsing the given string.*

6.851.1 Detailed Description

This class represents an instance of a **URI** (p. 4031) as defined by RFC 2396.

6.851.2 Constructor & Destructor Documentation

6.851.2.1 decaf::net::URI::URI ( )

Default Constructor, same as calling a Constructor with all fields empty.

6.851.2.2 decaf::net::URI::URI (const URI & *uri*) throw (URISyntaxException)

Constructs a **URI** (p. 4031) as a copy of another **URI** (p. 4031).

Parameters

uri	- uri to copy

6.851.2.3 decaf::net::URI::URI (const std::string & *uri*) throw (URISyntaxException)

Constructs a **URI** (p. 4031) from the given string.

Parameters

uri	- string uri to parse.

6.851.2.4 decaf::net::URI::URI (const std::string & *scheme,* const std::string & *ssp,* const std::string & *fragment*) throw (URISyntaxException)

Constructs a **URI** (p. 4031) from the given components.

Parameters

scheme	- the uri scheme
ssp	- Scheme specific part
fragment	- Fragment

6.851.2.5 decaf::net::URI::URI (const std::string & *scheme,* const std::string & *userInfo,* const std::string & *host,* int *port,* const std::string & *path,* const std::string & *query,* const std::string & *fragment*) throw (URISyntaxException)

Constructs a **URI** (p. 4031) from the given components.

Parameters

scheme	- Scheme name
userInfo	- User name and authorization information
host	- Host name
port	- Port number
path	- Path
query	- Query
fragment	- Fragment

6.851.2.6 decaf::net::URI::URI (const std::string & *scheme,* const std::string & *host,* const std::string & *path,* const std::string & *fragment*) throw (URISyntaxException)

Constructs a **URI** (p. 4031) from the given components.

Parameters

scheme	- Scheme name
host	- Host name
path	- Path
fragment	- Fragment

6.851.2.7 decaf::net::URI::URI (const std::string & *scheme,* const std::string & *authority,* const std::string & *path,* const std::string & *query,* const std::string & *fragment*) throw (URISyntaxException)

Constructs a **URI** (p. 4031) from the given components.

Parameters

scheme	- Scheme name
authority	- Authority
path	- Path
query	- Query
fragment	- Fragment

6.851.2.8 virtual decaf::net::URI::~URI ( ) [inline, virtual]

6.851.3 Member Function Documentation

6.851.3.1 virtual int decaf::net::URI::compareTo (const URI & *value*) const [virtual]

Compares this object with the specified object for order.

Returns a negative integer, zero, or a positive integer as this object is less than, equal to, or greater than the specified object.

Parameters

value	- the value to compare to this one.

Returns

zero if equal minus one if less than and one if greater than.

6.851.3.2 static URI decaf::net::URI::create (const std::string *uri*) throw (lang::exceptions::IllegalArgumentException) [static]

Creates a **URI** (p. 4031) by parsing the given string.

This convenience factory method works as if by invoking the URI(string) constructor; any **URISyntaxException** (p. 4060) thrown by the constructor is caught and wrapped in a new IllegalArgumentException object, which is then thrown.

Parameters

uri	- **URI** (p. 4031) string to parse

Exceptions

IllegalArgumentException	

6.851.3.3 virtual bool decaf::net::URI::equals (const URI & *value*) const [virtual]

Returns

true if this value is considered equal to the passed value.

6.851.3.4 std::string decaf::net::URI::getAuthority ( ) const

Returns

the decoded authority component of this **URI** (p. 4031).

6.851.3.5 std::string decaf::net::URI::getFragment ( ) const

Returns

the decoded fragment component of this **URI** (p. 4031).

6.851.3.6 std::string decaf::net::URI::getHost ( ) const

Returns

the host component of this **URI** (p. 4031).

6.851.3.7 std::string decaf::net::URI::getPath ( ) const

Returns

the path component of this **URI** (p. 4031).

6.851.3.8 int decaf::net::URI::getPort ( ) const

Returns

the port component of this **URI** (p. 4031).

6.851.3.9 std::string decaf::net::URI::getQuery ( ) const

Returns

the query component of this **URI** (p. 4031).

6.851.3.10 std::string decaf::net::URI::getRawAuthority ( ) const

Returns the raw authority component of this **URI** (p. 4031).

The authority component of a **URI** (p. 4031), if defined, only contains the commercial-at character ('@') and characters in the unreserved, punct, escaped, and other categories. If the authority is server-based then it is further constrained to have valid user-information, host, and port components.

Returns

the raw authority component of the **URI** (p. 4031)

6.851.3.11 std::string decaf::net::URI::getRawFragment ( ) const

Returns the raw fragment component of this **URI** (p. 4031).

The fragment component of a **URI** (p. 4031), if defined, only contains legal **URI** (p. 4031) characters.

Returns

the raw fragment component of this **URI** (p. 4031)

6.851.3.12 std::string decaf::net::URI::getRawPath ( ) const

Returns the raw path component of this **URI** (p. 4031).

The path component of a **URI** (p. 4031), if defined, only contains the slash character ('/'), the commercial-at character ('@'), and characters in the unreserved, punct, escaped, and other categories.

Returns

the raw path component of this **URI** (p. 4031)

6.851.3.13 std::string decaf::net::URI::getRawQuery ( ) const

Returns the raw query component of this **URI** (p. 4031).

The query component of a **URI** (p. 4031), if defined, only contains legal **URI** (p. 4031) characters.

Returns

the raw query component of the **URI** (p. 4031).

6.851.3.14 std::string decaf::net::URI::getRawSchemeSpecificPart ( ) const

Returns the raw scheme-specific part of this **URI** (p. 4031).

The scheme-specific part is never undefined, though it may be empty. The scheme-specific part of a **URI** (p. 4031) only contains legal **URI** (p. 4031) characters.

Returns

the raw scheme special part of the uri

6.851.3.15 std::string decaf::net::URI::getRawUserInfo ( ) const

Returns the raw user-information component of this **URI** (p. 4031).

The user-information component of a **URI** (p. 4031), if defined, only contains characters in the unreserved, punct, escaped, and other categories.

Returns

the raw user-information component of the **URI** (p. 4031)

6.851.3.16 std::string decaf::net::URI::getScheme ( ) const

Returns

the scheme component of this **URI** (p. 4031)

6.851.3.17 std::string decaf::net::URI::getSchemeSpecificPart ( ) const

Returns the decoded scheme-specific part of this **URI** (p. 4031).

The string returned by this method is equal to that returned by the getRawSchemeSpecificPart method except that all sequences of escaped octets are decoded.

Returns

the raw scheme specific part of the uri.

6.851.3.18 std::string decaf::net::URI::getUserInfo ( ) const

Returns

the user info component of this **URI** (p. 4031)

6.851.3.19 bool decaf::net::URI::isAbsolute ( ) const

Tells whether or not this **URI** (p. 4031) is absolute.

A **URI** (p. 4031) is absolute if, and only if, it has a scheme component.

Returns

true if, and only if, this **URI** (p. 4031) is absolute

6.851.3.20 bool decaf::net::URI::isOpaque ( ) const

Tells whether or not this **URI** (p. 4031) is opaque.

A **URI** (p. 4031) is opaque if, and only if, it is absolute and its scheme-specific part does not begin with a slash character ('/'). An opaque **URI** (p. 4031) has a scheme, a scheme-specific part, and possibly a fragment; all other components are undefined.

Returns

true if, and only if, this **URI** (p. 4031) is opaque

6.851.3.21 URI decaf::net::URI::normalize ( ) const

Normalizes this URI's path.

If this **URI** (p. 4031) is opaque, or if its path is already in normal form, then this **URI** (p. 4031) is returned. Otherwise a new **URI** (p. 4031) is constructed that is identical to this **URI** (p. 4031) except that its path is computed by normalizing this URI's path in a manner consistent with RFC 2396, section 5.2, step 6, sub-steps c through f; that is:

1. All "." segments are removed. 2. If a ".." segment is preceded by a non-".." segment then both of these segments are removed. This step is repeated until it is no longer applicable. 3. If the path is relative, and if its first segment contains a colon character (':'), then a "." segment is prepended. This prevents a relative **URI** (p. 4031) with a path such as "a:b/c/d" from later being re-parsed as an opaque **URI** (p. 4031) with a scheme of "a" and a scheme-specific part of "b/c/d". (Deviation from RFC 2396)

A normalized path will begin with one or more ".." segments if there were insufficient non-".." segments preceding them to allow their removal. A normalized path will begin with a "." segment if one was inserted by step 3 above. Otherwise, a normalized path will not contain any "." or ".." segments.

Returns

A **URI** (p. 4031) equivalent to this **URI** (p. 4031), but whose path is in normal form

6.851.3.22 virtual bool decaf::net::URI::operator< (const URI & *value*) const [virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

6.851.3.23 virtual bool decaf::net::URI::operator== (const URI & *value*) const [virtual]

Compares equality between this object and the one passed.

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

6.851.3.24 URI decaf::net::URI::parseServerAuthority ( ) const throw (URISyntaxException)

Attempts to parse this URI's authority component, if defined, into user-information, host, and port components.

If this URI's authority component has already been recognized as being server-based then it will already have been parsed into user-information, host, and port components. In this case, or if this **URI** (p. 4031) has no authority component, this method simply returns this **URI** (p. 4031).

Otherwise this method attempts once more to parse the authority component into user-information, host, and port components, and throws an exception describing why the authority component could not be parsed in that way.

Returns

A **URI** (p. 4031) whose authority field has been parsed as a server-based authority

Exceptions

URISyntaxException *(p. 4060)*	- If the authority component of this **URI** (p. 4031) is defined but cannot be parsed as a server-based authority.

6.851.3.25 URI decaf::net::URI::relativize (const URI & *uri*) const

Relativizes the given **URI** (p. 4031) against this **URI** (p. 4031).

The relativization of the given **URI** (p. 4031) against this **URI** (p. 4031) is computed as follows:

1. If either this **URI** (p. 4031) or the given **URI** (p. 4031) are opaque, or if the scheme and authority components of the two URIs are not identical, or if the path of this **URI** (p. 4031) is not a prefix of the path of the given **URI** (p. 4031), then the given **URI** (p. 4031) is returned. 2. Otherwise a new relative hierarchical **URI** (p. 4031) is constructed with query and fragment components taken from the given **URI** (p. 4031) and with a path component computed by removing this URI's path from the beginning of the given URI's path.

Parameters

uri	- The **URI** (p. 4031) to be relativized against this **URI** (p. 4031)

Returns

The resulting **URI** (p. 4031)

6.851.3.26 URI decaf::net::URI::resolve (const std::string & *str*) const throw (lang::exceptions::IllegalArgumentException)

Constructs a new **URI** (p. 4031) by parsing the given string and then resolving it against this **URI** (p. 4031).

This convenience method works as if invoking it were equivalent to evaluating the expression resolve(URI::create(str)).

Parameters

str	- The string to be parsed into a **URI** (p. 4031)

Returns

The resulting **URI** (p. 4031)

Exceptions

IllegalArgumentException	- If the given string violates RFC 2396

6.851.3.27 URI decaf::net::URI::resolve (const URI & *uri*) const

Resolves the given **URI** (p. 4031) against this **URI** (p. 4031).

If the given **URI** (p. 4031) is already absolute, or if this **URI** (p. 4031) is opaque, then a copy of the given **URI** (p. 4031) is returned.

If the given URI's fragment component is defined, its path component is empty, and its scheme, authority, and query components are undefined, then a **URI** (p. 4031) with the given fragment but with all other components equal to those of this **URI** (p. 4031) is returned. This allows a **URI** (p. 4031) representing a standalone fragment reference, such as "#foo", to be usefully resolved against a base **URI** (p. 4031).

Otherwise this method constructs a new hierarchical **URI** (p. 4031) in a manner consistent with RFC 2396, section 5.2; that is:

1. A new **URI** (p. 4031) is constructed with this URI's scheme and the given URI's query and fragment components. 2. If the given **URI** (p. 4031) has an authority component then the new URI's authority and path are taken from the given **URI** (p. 4031). 3. Otherwise the new URI's authority component is copied from this **URI** (p. 4031), and its path is computed as follows:

1. If the given URI's path is absolute then the new URI's path is taken from the given **URI** (p. 4031). 2. Otherwise the given URI's path is relative, and so the new URI's path is computed by resolving the path of the given **URI** (p. 4031) against the path of this **URI** (p. 4031). This is done by concatenating all but the last segment of this URI's path, if any, with the given URI's path and then normalizing the result as if by invoking the normalize method.

The result of this method is absolute if, and only if, either this **URI** (p. 4031) is absolute or the given **URI** (p. 4031) is absolute.

Parameters

uri	- The **URI** (p. 4031) to be resolved against this **URI** (p. 4031)

Returns

The resulting **URI** (p. 4031)

6.851.3.28 std::string decaf::net::URI::toString ( ) const

Returns the content of this **URI** (p. 4031) as a string.

If this **URI** (p. 4031) was created by invoking one of the constructors in this class then a string equivalent to the original input string, or to the string computed from the originally-given components, as appropriate, is returned. Otherwise this **URI** (p. 4031) was created by normalization, resolution, or relativization, and so a string is constructed from this URI's components according to the rules specified in RFC 2396, section 5.2, step 7.

Returns

the string form of this **URI** (p. 4031)

6.851.3.29 URL decaf::net::URI::toURL ( ) const throw (MalformedURLException, lang::exceptions::IllegalArgumentException)

Constructs a **URL** (p. 4072) from this **URI** (p. 4031).

This convenience method works as if invoking it were equivalent to evaluating the expression new **URL** (p. 4072)(this.toString()) after first checking that this **URI** (p. 4031) is absolute.

Returns

A **URL** (p. 4072) constructed from this **URI** (p. 4031)

Exceptions

IllegalArgumentException	- If this **URL** (p. 4072) is not absolute
MalformedURLException *(p. 2536)*	- If a protocol handler for the **URL** (p. 4072) could not be found, or if some other error occurred while constructing the **URL** (p. 4072)

The documentation for this class was generated from the following file:

- src/main/decaf/net/**URI.h**

6.852 decaf::internal::net::URIEncoderDecoder Class Reference

```
#include <src/main/decaf/internal/net/URIEncoderDecoder.h>
```

Public Member Functions

- **URIEncoderDecoder** ()
- virtual ~**URIEncoderDecoder** ()

Static Public Member Functions

- static void **validate** (const std::string &s, const std::string &legal) throw (decaf::net::URISyntaxException)

  Validate a string by checking if it contains any characters other than:

- static void **validateSimple** (const std::string &s, const std::string &legal) throw (decaf::net::URISyntaxException)

  Validate a string by checking if it contains any characters other than:

- static std::string **quoteIllegal** (const std::string &s, const std::string &legal)

  All characters except letters ('a'..'z', 'A'..'Z') and numbers ('0'..'9') and legal characters are converted into their hexidecimal value prepended by ".

- static std::string **encodeOthers** (const std::string &s)

  Other characters, which are chars that are not US-ASCII, and are not ISO Control or are not ISO Space chars are not preserved.

- static std::string **decode** (const std::string &s)

  Decodes the string argument which is assumed to be encoded in the `x-www-form-urlencoded` *MIME content type using the UTF-8 encoding scheme.*

6.852.1 Constructor & Destructor Documentation

6.852.1.1 decaf::internal::net::URIEncoderDecoder::URIEncoderDecoder ( )

6.852.1.2 virtual decaf::internal::net::URIEncoderDecoder::~URIEncoderDecoder ( ) [inline, virtual]

6.852.2 Member Function Documentation

6.852.2.1 static std::string decaf::internal::net::URIEncoderDecoder::decode (const std::string & *s*) [static]

Decodes the string argument which is assumed to be encoded in the `x-www-form-urlencoded` MIME content type using the UTF-8 encoding scheme.

" and two following hex digit characters are converted to the equivalent byte value. All other characters are passed through unmodified.

e.g. "A%20B%20C %24%25" -> "A B C $%"

Parameters

s	- The encoded string.

Returns

The decoded version.

6.852.2.2 static std::string decaf::internal::net::URIEncoderDecoder::encodeOthers (const std::string & *s*) [static]

Other characters, which are chars that are not US-ASCII, and are not ISO Control or are not ISO Space chars are not preserved.

They are converted into their hexidecimal value prepended by ".

For example: Euro currency symbol -> "%E2%82%AC".

Parameters

s	- the string to be converted

Returns

the converted string

6.852.2.3 static std::string decaf::internal::net::URIEncoderDecoder::quoteIllegal (const std::string & *s*, const std::string & *legal*) [static]

All characters except letters ('a'..'z', 'A'..'Z') and numbers ('0'..'9') and legal characters are converted into their hexidecimal value prepended by ".

For example: '#' -> 23

Other characters, which are chars that are not US-ASCII, and are not ISO Control or are not ISO Space chars, are preserved.

Parameters

s	- the string to be converted
legal	- the characters allowed to be preserved in the string s

Returns

converted string

6.852.2.4 static void decaf::internal::net::URIEncoderDecoder::validate (const std::string & *s*, const std::string & *legal*) throw (**decaf::net::URISyntaxException**) [static]

Validate a string by checking if it contains any characters other than:

1. letters ('a'..'z', 'A'..'Z') 2. numbers ('0'..'9') 3. characters in the legalset parameter 4. characters that are not ISO Control or are not ISO Space characters)

Parameters

s	- the string to be validated
legal	- the characters allowed in the string s

6.852.2.5 static void decaf::internal::net::URIEncoderDecoder::validateSimple (const std::string & *s*, const std::string & *legal*) throw (**decaf::net::URISyntaxException**) [static]

Validate a string by checking if it contains any characters other than:

1. letters ('a'..'z', 'A'..'Z') 2. numbers ('0'..'9') 3. characters in the legalset parameter

Parameters

s	- the string to be validated
legal	- the characters allowed in the string s

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/**URIEncoderDecoder.h**

6.853 decaf::internal::net::URIHelper Class Reference

Helper class used by the URI classes in encoding and decoding of URI's.

`#include <src/main/decaf/internal/net/URIHelper.h>`

Public Member Functions

- **URIHelper** (const std::string &unreserved, const std::string &punct, const std::string &reserved, const std::string &someLegal, const std::string &allLegal)

  *Setup the **URIHelper** (p. 4047) with values assigned to the various fields that are used in the validation process.*

- **URIHelper** ()

  Sets up the filter strings with sane defaults.

- virtual ~**URIHelper** ()
- **URIType parseURI** (const std::string &uri, bool forceServer) throw (decaf::net::URISyntaxException)

  Parse the passed in URI.

- void **validateScheme** (const std::string &uri, const std::string &scheme, int index) throw (decaf::net::URISyntaxException)

  Validate the schema portin of the URI.

- void **validateSsp** (const std::string &uri, const std::string &ssp, std::size_t index) throw (decaf::net::URISyntaxException)

  Validate that the URI Ssp Segment contains no invalid encodings.

- void **validateAuthority** (const std::string &uri, const std::string &authority, std::size_t index) throw (decaf::net::URISyntaxException)

  Validate that the URI Authority Segment contains no invalid encodings.

- void **validatePath** (const std::string &uri, const std::string &path, std::size_t index) throw (decaf::net::URISyntaxException)

  Validate that the URI Path Segment contains no invalid encodings.

- void **validateQuery** (const std::string &uri, const std::string &query, std::size_t index) throw (decaf::net::URISyntaxException)

  Validate that the URI Query Segment contains no invalid encodings.

- void **validateFragment** (const std::string &uri, const std::string &fragment, std::size_t index) throw (decaf::net::URISyntaxException)

  Validate that the URI fragment contains no invalid encodings.

- **URIType parseAuthority** (bool forceServer, const std::string &authority) throw (decaf::net::URISyntaxException)

determine the host, port and user-info if the authority parses successfully to a server based authority

- void **validateUserinfo** (const std::string &uri, const std::string &userinfo, std::size_t index) throw (decaf::net::URISyntaxException)

  Check the supplied user info for validity.

- bool **isValidHost** (bool forceServer, const std::string &host) throw (decaf::net::URISyntaxException)

  distinguish between IPv4, IPv6, domain name and validate it based on its type

- bool **isValidDomainName** (const std::string &host)

  Validates the string past to determine if it is a well formed domain name.

- bool **isValidIPv4Address** (const std::string &host)

  Validate if the host value is a well formed IPv4 address, this is the form XXX.XXX.XXX.XXX were X is any number 0-9.

- bool **isValidIP6Address** (const std::string &ipAddress)

  Determines if the given address is valid according to the IPv6 spec.

- bool **isValidIP4Word** (const std::string &word)

  Check is the string passed contains a Valid IPv4 word, which is an integer in the range of 0 to 255.

- bool **isValidHexChar** (char c)

  Determines if the given char is a valid Hex char.

6.853.1 Detailed Description

Helper class used by the URI classes in encoding and decoding of URI's.

6.853.2 Constructor & Destructor Documentation

6.853.2.1 decaf::internal::net::URIHelper::URIHelper (const std::string & *unreserved*, const std::string & *punct*, const std::string & *reserved*, const std::string & *someLegal*, const std::string & *allLegal*)

Setup the **URIHelper** (p. 4047) with values assigned to the various fields that are used in the validation process.

The defaults are overridden by these values.

Parameters

unreserved	- characters not reserved for use.

punct	- allowable punctuation symbols.
reserved	- characters not allowed for general use in the URI.
someLegal	- characters that are legal in certain cases.
allLegal	- characters that are always legal.

6.853.2.2 decaf::internal::net::URIHelper::URIHelper ( )

Sets up the filter strings with sane defaults.

6.853.2.3 virtual decaf::internal::net::URIHelper::~URIHelper ( ) [inline, virtual]

6.853.3 Member Function Documentation

6.853.3.1 bool decaf::internal::net::URIHelper::isValidDomainName (const std::string & *host*)

Validates the string past to determine if it is a well formed domain name.

Parameters

host	- domain name to validate.

Returns

true if host is well formed.

6.853.3.2 bool decaf::internal::net::URIHelper::isValidHexChar (char *c*)

Determines if the given char is a valid Hex char.

Valid chars are A-F (upper or lower case) and 0-9.

Parameters

c	- char to inspect

Returns

true if c is a valid hex char.

6.853.3.3 bool decaf::internal::net::URIHelper::isValidHost (bool *forceServer,* const std::string & *host*) throw (decaf::net::URISyntaxException)

distinguish between IPv4, IPv6, domain name and validate it based on its type

Parameters

forceServer	- true if the forceServer mode should be active.
host	- Host string to validate.

Returns

true if the host value if a valid domain name.

Exceptions

URISyntaxException	if the host is invalid and forceServer is true.

6.853.3.4 bool decaf::internal::net::URIHelper::isValidIP4Word (const std::string & *word*)

Check is the string passed contains a Valid IPv4 word, which is an integer in the range of 0 to 255.

Parameters

word	- string value to check.

Returns

true if the word is a valid IPv4 word.

6.853.3.5 bool decaf::internal::net::URIHelper::isValidIP6Address (const std::string & *ipAddress*)

Determines if the given address is valid according to the IPv6 spec.

Parameters

ipAddress	- string ip address value to validate.

Returns

true if the address string is valid.

6.853.3.6 bool decaf::internal::net::URIHelper::isValidIPv4Address (const std::string & *host*)

Validate if the host value is a well formed IPv4 address, this is the form XXX.XXX.XXX.XXX were X is any number 0-9.

and XXX is not greater than 255.

Parameters

host	- IPv4 address string to parse.

Returns

true if host is a well formed IPv4 address.

6.853.3.7 URIType decaf::internal::net::URIHelper::parseAuthority (bool *forceServer,* const std::string & *authority*) throw (decaf::net::URISyntaxException)

determine the host, port and user-info if the authority parses successfully to a server based authority

behavior in error cases: if forceServer is true, throw URISyntaxException with the proper diagnostic messages. if forceServer is false assume this is a registry based uri, and just return leaving the host, port and user-info fields undefined.

and there are some error cases where URISyntaxException is thrown regardless of the forceServer parameter e.g. mal-formed ipv6 address

Parameters

forceServer	
authority	

Returns

a **URIType** (p. 4063) instance containing the parsed data.

Exceptions

URISyntaxException	

6.853.3.8 URIType decaf::internal::net::URIHelper::parseURI (const std::string & *uri,* bool *forceServer*) throw (decaf::net::URISyntaxException)

Parse the passed in URI.

Parameters

uri	- the URI to Parse
forceServer	- if true invalid URI data throws an Exception

Returns

a **URIType** (p. 4063) instance containing the parsed data.

Exceptions

URISyntaxException	if forceServer is true and the URI is invalid.

6.853.3.9 void decaf::internal::net::URIHelper::validateAuthority (const std::string & *uri*, const std::string & *authority*, std::size_t *index*) throw (decaf::net::URISyntaxException)

Validate that the URI Authority Segment contains no invalid encodings.

Parameters

uri	- the full uri.
authority	- the Authority to check.
index	- position in the uri where Authority starts.

Exceptions

URISyntaxException	if the fragment has errors.

6.853.3.10 void decaf::internal::net::URIHelper::validateFragment (const std::string & *uri*, const std::string & *fragment*, std::size_t *index*) throw (decaf::net::URISyntaxException)

Validate that the URI fragment contains no invalid encodings.

Parameters

uri	- the full uri.
fragment	- the fragment to check.
index	- position in the uri where fragment starts.

Exceptions

URISyntaxException	if the fragment has errors.

6.853.3.11 void decaf::internal::net::URIHelper::validatePath (const std::string & *uri*, const std::string & *path*, std::size_t *index*) throw (decaf::net::URISyntaxException)

Validate that the URI Path Segment contains no invalid encodings.

Parameters

uri	- the full uri.
path	- the path to check.
index	- position in the uri where path starts.

Exceptions

URISyntaxException	if the fragment has errors.

6.853.3.12 void decaf::internal::net::URIHelper::validateQuery (const std::string & *uri*, const std::string & *query*, std::size_t *index*) throw (**decaf::net::URISyntaxException**)

Validate that the URI Query Segment contains no invalid encodings.

Parameters

uri	- the full uri.
query	- the query to check.
index	- position in the uri where fragment starts.

Exceptions

URISyntaxException	if the fragment has errors.

6.853.3.13 void decaf::internal::net::URIHelper::validateScheme (const std::string & *uri*, const std::string & *scheme*, int *index*) throw (**decaf::net::URISyntaxException**)

Validate the schema portin of the URI.

Parameters

uri	- the URI to check.
scheme	- the schema section of the URI.
index	- index in uri where schema starts.

Exceptions

URISyntaxException	if the fragment has errors.

6.853.3.14 void decaf::internal::net::URIHelper::validateSsp (const std::string & *uri*, const std::string & *ssp*, std::size_t *index*) throw (**decaf::net::URISyntaxException**)

Validate that the URI Ssp Segment contains no invalid encodings.

Parameters

uri	- the full uri.
ssp	- the SSP to check.
index	- position in the uri where Ssp starts.

Exceptions

URISyntaxException	if the fragment has errors.

6.853.3.15 void decaf::internal::net::URIHelper::validateUserinfo (const std::string & *uri*, const std::string & *userinfo*, std::size_t *index*) throw (decaf::net::URISyntaxException)

Check the supplied user info for validity.

Parameters

uri	- the uri to parse.
userinfo	- supplied user info
index	- index into the URI string where the data is located.

Returns

true if valid

Exceptions

URISyntaxException	if an error occurs

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/**URIHelper.h**

6.854 activemq::transport::failover::URIPool Class Reference

`#include <src/main/activemq/transport/failover/URIPool.h>`

Public Member Functions

- **URIPool** ()

  Create an Empty URI Pool.

- **URIPool** (const **decaf::util::List**< **URI** > &uris)

  Creates a new URI Pool using the given list as the initial Free List.

- ~**URIPool** ()
- **URI getURI** () throw (decaf::lang::exceptions::NoSuchElementException)

  Fetches the next available URI from the pool, if there are no more URIs free when this method is called it throws a NoSuchElementException.

- void **addURI** (const **URI** &uri)

  Adds a URI to the free list, callers that have previously taken one using the `getURI` method should always return the URI when they close the resource that was connected to that URI.

- void **addURIs** (const **StlList**< **URI** > &uris)

Adds a List of URIs to this Pool, the method checks for duplicates already in the pool and does not add those.

- void **removeURI** (const **URI** &uri)

  Remove a given URI from the Free List.

- bool **isRandomize** () const

  Is the URI that is given randomly picked from the pool or is each one taken in sequence.

- void **setRandomize** (bool value)

  Sets if the URI's that are taken from the pool are chosen Randomly or are taken in the order they are in the list.

6.854.1 Constructor & Destructor Documentation

6.854.1.1 activemq::transport::failover::URIPool::URIPool ( )

Create an Empty URI Pool.

6.854.1.2 activemq::transport::failover::URIPool::URIPool (const decaf::util::List< URI > & *uris*)

Creates a new URI Pool using the given list as the initial Free List.

Parameters

uris	- List of URI to place in the Pool.

6.854.1.3 activemq::transport::failover::URIPool::~URIPool ( )

6.854.2 Member Function Documentation

6.854.2.1 void activemq::transport::failover::URIPool::addURI (const URI & *uri*)

Adds a URI to the free list, callers that have previously taken one using the `getURI` method should always return the URI when they close the resource that was connected to that URI.

Parameters

uri	- a URI previously taken from the pool.

6.854.2.2 void activemq::transport::failover::URIPool::addURIs (const StlList< URI > & *uris*)

Adds a List of URIs to this Pool, the method checks for duplicates already in the pool and does not add those.

Parameters

uris	- List of URIs to add into the Pool.

6.854.2.3 URI activemq::transport::failover::URIPool::getURI ( ) throw (decaf::lang::exceptions::NoSuchElementException)

Fetches the next available URI from the pool, if there are no more URIs free when this method is called it throws a NoSuchElementException.

Receiving the exception is not an indication that a URI won't be available in the future, the caller should react accordingly.

Returns

the next free URI in the Pool.

Exceptions

NoSuchElementException	if there are none free currently.

6.854.2.4 bool activemq::transport::failover::URIPool::isRandomize ( ) const [inline]

Is the URI that is given randomly picked from the pool or is each one taken in sequence.

Returns

true if URI gets are random.

6.854.2.5 void activemq::transport::failover::URIPool::removeURI (const URI & *uri*)

Remove a given URI from the Free List.

Parameters

uri	- the URI to find and remove from the free list

6.854.2.6 void activemq::transport::failover::URIPool::setRandomize (bool *value*) [inline]

Sets if the URI's that are taken from the pool are chosen Randomly or are taken in the order they are in the list.

Parameters

value	- true indicates URI gets are random.

The documentation for this class was generated from the following file:

- src/main/activemq/transport/failover/**URIPool.h**

6.855 activemq::util::URISupport Class Reference

```
#include <src/main/activemq/util/URISupport.h>
```

Static Public Member Functions

- static void **parseURL** (const std::string &**URI**, **decaf::util::Properties** &properties) throw (decaf::lang::exceptions::IllegalArgumentException)

  Parses the properties out of the provided Broker URI and sets them in the passed Properties Object.

- static **CompositeData parseComposite** (const **URI** &uri) throw (decaf::net::URISyntaxException)

  Parses a Composite URI into a Composite Data instance, the Composite URI takes the for scheme://(uri1,uri2,...uriN)?param1=value1, each of the composite URIs is stored in the CompositeData's internal list.

- static **decaf::util::Properties parseQuery** (std::string query) throw (decaf::lang::exceptions::IllegalArgumentExceptio)

  Parse the Query portion of a URI String and return a Simple Properties object containing the parameter names as keys, and the parameter values and values of the Properties.

- static void **parseQuery** (std::string query, **decaf::util::Properties** *properties) throw (decaf::lang::exceptions::IllegalArgumentException)

  Parse the Query portion of a URI String and return a Simple Properties object containing the parameter names as keys, and the parameter values and values of the Properties.

- static std::string **createQueryString** (const **Properties** &options) throw (decaf::net::URISyntaxException)

  Given a properties object create a string that can be appended to a URI as a valid Query string.

6.855.1 Member Function Documentation

6.855.1.1 static std::string activemq::util::URISupport::createQueryString (const Properties & *options*) throw (decaf::net::URISyntaxException) [static]

Given a properties object create a string that can be appended to a URI as a valid Query string.

Parameters

options	Properties object containing key / value query values.

Returns

a valid URI query string.

Exceptions

URISyntaxException	if the string in the Properties object can't be encoded into a valid URI Query string.

6.855.1.2 static CompositeData activemq::util::URISupport::parseComposite (const URI & *uri*) throw (decaf::net::URISyntaxException) [static]

Parses a Composite URI into a Composite Data instance, the Composite URI takes the for scheme://(uri1,uri2,...uriN)?param1=value1, each of the composite URIs is stored in the CompositeData's internal list.

Parameters

uri	- The Composite URI to parse.

Returns

a new **CompositeData** (p. 1253) object with the parsed data

Exceptions

URISyntaxException	if the URI is not well formed.

6.855.1.3 static void activemq::util::URISupport::parseQuery (std::string *query,* decaf::util::Properties * *properties*) throw (decaf::lang::exceptions::IllegalArgumentException) [static]

Parse the Query portion of a URI String and return a Simple Properties object containing the parameter names as keys, and the parameter values and values of the Properties.

Parameters

query	- the query string to parse.
properties	- object pointer to get the parsed output.

Exceptions

IllegalArgumentException	if the Query string is not well formed.

6.855.1.4 static decaf::util::Properties activemq::util::URISupport::parseQuery (std::string *query*) throw (decaf::lang::exceptions::IllegalArgumentException) [static]

Parse the Query portion of a URI String and return a Simple Properties object containing the parameter names as keys, and the parameter values and values of the Properties.

Parameters

query	The query string to parse and extract the encoded properties.

Returns

Properties object with the parsed output.

Exceptions

IllegalArgumentException	if the Query string is not well formed.

6.855.1.5 static void activemq::util::URISupport::parseURL (const std::string & *URI*, decaf::util::Properties & *properties*) throw (decaf::lang::exceptions::IllegalArgumentException) [static]

Parses the properties out of the provided Broker URI and sets them in the passed Properties Object.

Parameters

URI	a Broker URI to parse
properties	a Properties object to set the parsed values in

Exceptions

IllegalArgumentException	if the passed URI is invalid

The documentation for this class was generated from the following file:

- src/main/activemq/util/**URISupport.h**

6.856 decaf::net::URISyntaxException Class Reference

`#include <src/main/decaf/net/URISyntaxException.h>`

Inheritance diagram for decaf::net::URISyntaxException:

Public Member Functions

- **URISyntaxException** () throw ()

  Default Constructor.

- **URISyntaxException** (const Exception &ex) throw ()

  Conversion Constructor from some other Exception.

- **URISyntaxException** (const **URISyntaxException** &ex) throw ()

  Copy Constructor.

- **URISyntaxException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **URISyntaxException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **URISyntaxException** (const char ∗file, const int lineNumber, const char ∗msg DECAF_UNUSED) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **URISyntaxException** (const char ∗file, const int lineNumber, const std::string &input, const std::string &reason) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **URISyntaxException** (const char ∗file, const int lineNumber, const std::string &input, const std::string &reason, int index) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- virtual **URISyntaxException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**URISyntaxException** () throw ()
- std::string **getInput** () const
- std::string **getReason** () const
- int **getIndex** () const

6.856.1 Constructor & Destructor Documentation

6.856.1.1 decaf::net::URISyntaxException::URISyntaxException ( ) throw () [inline]

Default Constructor.

6.856.1.2 decaf::net::URISyntaxException::URISyntaxException (const Exception & *ex*) throw () [inline]

Conversion Constructor from some other Exception.

Parameters

ex	An exception that should become this type of Exception

6.856.1.3 decaf::net::URISyntaxException::URISyntaxException (const URISyntaxException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	An exception that should become this type of Exception

6.856.1.4 decaf::net::URISyntaxException::URISyntaxException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.856.1.5 decaf::net::URISyntaxException::URISyntaxException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.856.1.6 decaf::net::URISyntaxException::URISyntaxException (const char * *file*, const int *lineNumber*, const char *msg *DECAF_UNUSED*) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.856.1.7 decaf::net::URISyntaxException::URISyntaxException (const char * *file*, const int *lineNumber*, const std::string & *input*, const std::string & *reason*) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the input string that caused the error and the reason for the error.

Parameters

file	The file name where exception occurs.
lineNumber	The line number where the exception occurred.
input	The **URL** (p. 4072) that caused the exception.
reason	The reason for the failure.

6.856.1.8 decaf::net::URISyntaxException::URISyntaxException (const char * *file*, const int *lineNumber*, const std::string & *input*, const std::string & *reason*, int *index*) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the input string that caused the error and the reason for the error.

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
input	The input **URI** (p. 4031) that caused the exception
reason	The reason for the failure.
index	The index in the **URI** (p. 4031) string where the error occurred.

6.856.1.9 virtual decaf::net::URISyntaxException::~URISyntaxException ( ) throw ()

`[inline, virtual]`

6.856.2 Member Function Documentation

6.856.2.1 virtual URISyntaxException* decaf::net::URISyntaxException::clone ( ) const

`[inline, virtual]`

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new Exception instance that is a copy of this Exception object.

Reimplemented from **decaf::lang::Exception** (p. 1889).

6.856.2.2 int decaf::net::URISyntaxException::getIndex ( ) const `[inline]`

Returns

the index in the input string where the error occured or -1

6.856.2.3 std::string decaf::net::URISyntaxException::getInput ( ) const `[inline]`

Returns

the Input string that cause this exception or ""

6.856.2.4 std::string decaf::net::URISyntaxException::getReason ( ) const `[inline]`

Returns

the Reason given for this failure, or ""

The documentation for this class was generated from the following file:

- src/main/decaf/net/**URISyntaxException.h**

6.857 decaf::internal::net::URIType Class Reference

Basic type object that holds data that composes a given URI.

`#include <src/main/decaf/internal/net/URIType.h>`

Public Member Functions

- **URIType** (const std::string &source)
- **URIType** ()
- virtual ~**URIType** ()
- std::string **getSource** () const

  *Gets the source URI string that was parsed to obtain this **URIType** (p. 4063) instance and the resulting data,.*

- void **setSource** (const std::string &source)

  *Sets the source URI string that was parsed to obtain this **URIType** (p. 4063) instance and the resulting data,.*

- std::string **getScheme** () const

  Gets the Scheme of the URI, e.g.

- void **setScheme** (const std::string &scheme)

  Sets the Scheme of the URI, e.g.

- std::string **getSchemeSpecificPart** () const

  Gets the Scheme Specific Part of the URI.

- void **setSchemeSpecificPart** (const std::string &schemeSpecificPart)

  Sets the Scheme Specific Part of the URI.

- std::string **getAuthority** () const

  Gets the Authority of the URI.

- void **setAuthority** (const std::string &authority)

  Sets the Authority of the URI.

- std::string **getUserInfo** () const

  Gets the user info part of the URI, e.g.

- void **setUserInfo** (const std::string &userinfo)

  Sets the user info part of the URI, e.g.

- std::string **getHost** () const

  Gets the Host name part of the URI.

- void **setHost** (const std::string &host)

  Sets the Host name part of the URI.

- int **getPort** () const

  Gets the port part of the URI.

- void **setPort** (int port)

Sets the port part of the URI.

- std::string **getPath** () const

  Gets the Path part of the URI.

- void **setPath** (const std::string &path)

  Sets the Path part of the URI.

- std::string **getQuery** () const

  Gets the Query part of the URI.

- void **setQuery** (const std::string &query)

  Sets the Query part of the URI.

- std::string **getFragment** () const

  Gets the Fragment part of the URI.

- void **setFragment** (const std::string &fragment)

  Sets the Fragment part of the URI.

- bool **isOpaque** () const

  Gets if the URI is Opaque.

- void **setOpaque** (bool opaque)

  Sets if the URI is Opaque.

- bool **isAbsolute** () const

  Gets if the URI is Absolute.

- void **setAbsolute** (bool absolute)

  Sets if the URI is Absolute.

- bool **isServerAuthority** () const

  Gets if the URI is a Server Authority.

- void **setServerAuthority** (bool serverAuthority)

  Sets if the URI is a Server Authority.

- bool **isValid** () const

  Gets if the URI is valid, meaning that the source has been set and parsed and all relevant data fields have been set.

- void **setValid** (bool valid)

  Sets if the URI is valid, meaning that the source has been set and parsed and all relevant data fields have been set.

6.857.1 Detailed Description

Basic type object that holds data that composes a given URI.

6.857.2 Constructor & Destructor Documentation

6.857.2.1 decaf::internal::net::URIType::URIType (const std::string & *source*) [inline]

6.857.2.2 decaf::internal::net::URIType::URIType ( ) [inline]

6.857.2.3 virtual decaf::internal::net::URIType::~URIType ( ) [inline, virtual]

6.857.3 Member Function Documentation

6.857.3.1 std::string decaf::internal::net::URIType::getAuthority ( ) const [inline]

Gets the Authority of the URI.

Returns

Authority part string.

6.857.3.2 std::string decaf::internal::net::URIType::getFragment ( ) const [inline]

Gets the Fragment part of the URI.

Returns

Fragment part string.

6.857.3.3 std::string decaf::internal::net::URIType::getHost ( ) const [inline]

Gets the Host name part of the URI.

Returns

Host name part string.

6.857.3.4 std::string decaf::internal::net::URIType::getPath ( ) const [inline]

Gets the Path part of the URI.

Returns

Path part string.

6.857.3.5 int decaf::internal::net::URIType::getPort ( ) const [inline]

Gets the port part of the URI.

Returns

port part string, -1 if not set.

6.857.3.6 std::string decaf::internal::net::URIType::getQuery ( ) const [inline]

Gets the Query part of the URI.

Returns

Query part string.

6.857.3.7 std::string decaf::internal::net::URIType::getScheme ( ) const [inline]

Gets the Scheme of the URI, e.g.

scheme ("http"/"ftp"/...).

Returns

scheme part string.

6.857.3.8 std::string decaf::internal::net::URIType::getSchemeSpecificPart ( ) const [inline]

Gets the Scheme Specific Part of the URI.

Returns

scheme specific part string.

6.857.3.9 std::string decaf::internal::net::URIType::getSource ( ) const [inline]

Gets the source URI string that was parsed to obtain this **URIType** (p. 4063) instance and the resulting data,.

Returns

the source URI string

6.857.3.10 std::string decaf::internal::net::URIType::getUserInfo ( ) const [inline]

Gets the user info part of the URI, e.g.

user name, as in `http://user:passwd@host:port/`

Returns

user info part string.

6.857.3.11 bool decaf::internal::net::URIType::isAbsolute ( ) const [inline]

Gets if the URI is Absolute.

Returns

true if Absolute.

6.857.3.12 bool decaf::internal::net::URIType::isOpaque ( ) const [inline]

Gets if the URI is Opaque.

Returns

true if opaque.

6.857.3.13 bool decaf::internal::net::URIType::isServerAuthority ( ) const [inline]

Gets if the URI is a Server Authority.

Returns

true if Server Authority.

6.857.3.14 bool decaf::internal::net::URIType::isValid ( ) const [inline]

Gets if the URI is valid, meaning that the source has been set and parsed and all relevant data fields have been set.

Returns

true if the **URIType** (p. 4063) contains valid data.

6.857.3.15 void decaf::internal::net::URIType::setAbsolute (bool *absolute*) [inline]

Sets if the URI is Absolute.

Parameters

absolute	- true if Absolute.

6.857.3.16 void decaf::internal::net::URIType::setAuthority (const std::string & *authority*) [inline]

Sets the Authority of the URI.

Parameters

authority	Authority part string.

6.857.3.17 void decaf::internal::net::URIType::setFragment (const std::string & *fragment*) [inline]

Sets the Fragment part of the URI.

Parameters

fragment	- Fragment part string.

6.857.3.18 void decaf::internal::net::URIType::setHost (const std::string & *host*) [inline]

Sets the Host name part of the URI.

Parameters

host	- Host name part string.

6.857.3.19 void decaf::internal::net::URIType::setOpaque (bool *opaque*) [inline]

Sets if the URI is Opaque.

Parameters

opaque	true if opaque.

6.857.3.20 void decaf::internal::net::URIType::setPath (const std::string & *path*) [inline]

Sets the Path part of the URI.

Parameters

path	- Path part string.

6.857.3.21 void decaf::internal::net::URIType::setPort (int *port*) [inline]

Sets the port part of the URI.

Parameters

port	- port part string, -1 if not set.

6.857.3.22 void decaf::internal::net::URIType::setQuery (const std::string & *query*) [inline]

Sets the Query part of the URI.

Parameters

query	- Query part string.

6.857.3.23 void decaf::internal::net::URIType::setScheme (const std::string & *scheme*) [inline]

Sets the Scheme of the URI, e.g.

scheme ("http"/"ftp"/...).

Parameters

scheme	- scheme part string.

6.857.3.24 void decaf::internal::net::URIType::setSchemeSpecificPart (const std::string & *schemeSpecificPart*) [inline]

Sets the Scheme Specific Part of the URI.

Parameters

scheme-SpecificPart	- scheme specific part string.

6.857.3.25 void decaf::internal::net::URIType::setServerAuthority (bool *serverAuthority*) [inline]

Sets if the URI is a Server Authority.

Parameters

server-Authority	- true if Server Authority.

6.857.3.26 void decaf::internal::net::URIType::setSource (const std::string & *source*) [inline]

Sets the source URI string that was parsed to obtain this **URIType** (p. 4063) instance and the resulting data,.

Parameters

source	- the source URI string

6.857.3.27 void decaf::internal::net::URIType::setUserInfo (const std::string & *userinfo*) [inline]

Sets the user info part of the URI, e.g.

user name, as in `http://user:passwd@host:port/`

Parameters

userinfo	- user info part string.

6.857.3.28 void decaf::internal::net::URIType::setValid (bool *valid*) [inline]

Sets if the URI is valid, meaning that the source has been set and parsed and all relevant data fields have been set.

Parameters

valid	- true if the **URIType** (p. 4063) contains valid data.

The documentation for this class was generated from the following file:

- src/main/decaf/internal/net/**URIType.h**

6.858 decaf::net::URL Class Reference

Class **URL** (p. 4072) represents a Uniform Resource Locator, a pointer to a "resource" on the World Wide Web.

`#include <src/main/decaf/net/URL.h>`

Public Member Functions

- **URL** ()
- **URL** (const std::string &url)
- virtual ~**URL** ()

6.858.1 Detailed Description

Class **URL** (p. 4072) represents a Uniform Resource Locator, a pointer to a "resource" on the World Wide Web. A resource can be something as simple as a file or a directory, or it can be a reference to a more complicated object, such as a query to a database or to a search engine. More information on the types of URLs and their formats can be found at:

`http://www.ksc.nasa.gov/facts/internet/url-primer.html`

In general, a **URL** (p. 4072) can be broken into several parts. The previous example of a **URL** (p. 4072) indicates that the protocol to use is http (HyperText Transfer Protocol) and that the information resides on a host machine named www.ksc.nasa.gov. The information on that host machine is named /facts/internet/url-primer.html. The exact meaning of this name on the host machine is both protocol dependent and host dependent. The information normally resides in a file, but it could be generated on the fly. This component of the **URL** (p. 4072) is called the path component.

A **URL** (p. 4072) can optionally specify a "port", which is the port number to which the TCP connection is made on the remote host machine. If the port is not specified, the default port for the protocol is used instead. For example, the default port for http is 80. An alternative port could be specified as:

`http://www.ksc.nasa.gov:80/facts/internet/url-primer.html`

The syntax of **URL** (p. 4072) is defined by RFC 2396: Uniform Resource Identifiers (**URI** (p. 4031)): Generic Syntax, amended by RFC 2732: Format for Literal IPv6 Addresses in URLs. The Literal IPv6 address format also supports scope_ids. The syntax and usage of scope_ids is described here.

A **URL** (p. 4072) may have appended to it a "fragment", also known as a "ref" or a "reference". The fragment is indicated by the sharp sign character "#" followed by more characters. For example,

`http://www.apache.org/cms/index.html#chapter1`

This fragment is not technically part of the **URL** (p. 4072). Rather, it indicates that after the specified resource is retrieved, the application is specifically interested in that

part of the document that has the tag chapter1 attached to it. The meaning of a tag is resource specific.

An application can also specify a "relative URL", which contains only enough information to reach the resource relative to another **URL** (p. 4072). Relative URLs are frequently used within HTML pages. For example, if the contents of the **URL** (p. 4072):

`http://www.apache.org/cms/index.html`

contained within it the relative **URL** (p. 4072):

FAQ.html

it would be a shorthand for:

`http://www.apache.org/cms/FAQ.html`

The relative **URL** (p. 4072) need not specify all the components of a **URL** (p. 4072). If the protocol, host name, or port number is missing, the value is inherited from the fully specified **URL** (p. 4072). The file component must be specified. The optional fragment is not inherited.

The **URL** (p. 4072) class does not itself encode or decode any **URL** (p. 4072) components according to the escaping mechanism defined in RFC2396. It is the responsibility of the caller to encode any fields, which need to be escaped prior to calling **URL** (p. 4072), and also to decode any escaped fields, that are returned from **URL** (p. 4072). Furthermore, because **URL** (p. 4072) has no knowledge of **URL** (p. 4072) escaping, it does not recognise equivalence between the encoded or decoded form of the same **URL** (p. 4072). For example, the two URLs:

`http://foo.com/hello` world/ and `http://foo.com/hello%20world`

would be considered not equal to each other.

Note, the **URI** (p. 4031) class does perform escaping of its component fields in certain circumstances. The recommended way to manage the encoding and decoding of URLs is to use **URI** (p. 4031), and to convert between these two classes using toURI() and **URI.toURL()** (p. 4043).

The **URLEncoder** (p. 4074) and **URLDecoder** (p. 4074) classes can also be used, but only for HTML form encoding, which is not the same as the encoding scheme defined in RFC2396.

6.858.2 Constructor & Destructor Documentation

6.858.2.1 decaf::net::URL::URL ( )

6.858.2.2 decaf::net::URL::URL (const std::string & *url*)

6.858.2.3 virtual decaf::net::URL::~URL ( ) [inline, virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/net/**URL.h**

6.859 decaf::net::URLDecoder Class Reference

`#include <src/main/decaf/net/URLDecoder.h>`

Public Member Functions

- virtual ~**URLDecoder** ()

Static Public Member Functions

- static std::string **decode** (const std::string &value)

  Decodes the string argument which is assumed to be encoded in the `x-www-form-urlencoded` MIME content type.

6.859.1 Constructor & Destructor Documentation

6.859.1.1 virtual decaf::net::URLDecoder::~URLDecoder ( ) [inline, virtual]

6.859.2 Member Function Documentation

6.859.2.1 static std::string decaf::net::URLDecoder::decode (const std::string & *value*) [static]

Decodes the string argument which is assumed to be encoded in the `x-www-form-urlencoded` MIME content type.

'+' will be converted to space, " and two following hex digit characters are converted to the equivalent byte value. All other characters are passed through unmodified.

e.g. "A+B+C %24%25" -> "A B C $%"

Parameters

value	- string The encoded string.

Returns

The decoded version as a string.

The documentation for this class was generated from the following file:

- src/main/decaf/net/**URLDecoder.h**

6.860 decaf::net::URLEncoder Class Reference

`#include <src/main/decaf/net/URLEncoder.h>`

Public Member Functions

- virtual ~**URLEncoder** ()

Static Public Member Functions

- static std::string **encode** (const std::string &value)

  This class contains a utility method for converting a string to the format required by the `application/x-www-form-urlencoded` *MIME content type.*

6.860.1 Constructor & Destructor Documentation

6.860.1.1 virtual decaf::net::URLEncoder::~URLEncoder ( ) [inline, virtual]

6.860.2 Member Function Documentation

6.860.2.1 static std::string decaf::net::URLEncoder::encode (const std::string & *value*) [static]

This class contains a utility method for converting a string to the format required by the `application/x-www-form-urlencoded` MIME content type.

All characters except letters ('a'..'z', 'A'..'Z') and numbers ('0'..'9') and characters '.', '-', '*', '_' are converted into their hexidecimal value prepended by ''.

For example: '#' -> 23

In addition, spaces are substituted by '+'

Parameters

value	- the string to be converted

Returns

the converted string

The documentation for this class was generated from the following file:

- src/main/decaf/net/**URLEncoder.h**

6.861 activemq::util::Usage Class Reference

`#include <src/main/activemq/util/Usage.h>`

Inheritance diagram for activemq::util::Usage:

Public Member Functions

- virtual ~**Usage** ()
- virtual void **waitForSpace** ()=0

  *Waits forever for more space to be returned to this **Usage** (p. 4075) Manager.*

- virtual void **waitForSpace** (unsigned int timeout)=0

  *Waits for more space to be returned to this **Usage** (p. 4075) Manager, times out when the given time span in milliseconds elapses.*

- virtual void **enqueueUsage** (unsigned long long value)=0

  Tries to increase the usage by value amount but blocks if this object is currently full.

- virtual void **increaseUsage** (unsigned long long value)=0

  Increases the usage by the value amount.

- virtual void **decreaseUsage** (unsigned long long value)=0

  Decreases the usage by the value amount.

- virtual bool **isFull** () const =0

  *Returns true if this **Usage** (p. 4075) instance is full, i.e.*

6.861.1 Constructor & Destructor Documentation

6.861.1.1 virtual activemq::util::Usage::~Usage ( ) [inline, virtual]

6.861.2 Member Function Documentation

6.861.2.1 virtual void activemq::util::Usage::decreaseUsage (unsigned long long *value*) [pure virtual]

Decreases the usage by the value amount.

Parameters

value	Amount of space to return to the pool

Implemented in **activemq::util::MemoryUsage** (p. 2594).

6.861.2.2 virtual void activemq::util::Usage::enqueueUsage (unsigned long long *value*) [pure virtual]

Tries to increase the usage by value amount but blocks if this object is currently full.

Parameters

value	Amount of usage in bytes to add.

Implemented in **activemq::util::MemoryUsage** (p. 2594).

6.861.2.3 virtual void activemq::util::Usage::increaseUsage (unsigned long long *value*) [pure virtual]

Increases the usage by the value amount.

Parameters

value	Amount of usage to add.

Implemented in **activemq::util::MemoryUsage** (p. 2595).

6.861.2.4 virtual bool activemq::util::Usage::isFull ( ) const [pure virtual]

Returns true if this **Usage** (p. 4075) instance is full, i.e.

Usage (p. 4075) >= 100%

Returns

true if **Usage** (p. 4075) is at the Full point.

Implemented in **activemq::util::MemoryUsage** (p. 2595).

6.861.2.5 virtual void activemq::util::Usage::waitForSpace (unsigned int *timeout*) [pure virtual]

Waits for more space to be returned to this **Usage** (p. 4075) Manager, times out when the given time span in milliseconds elapses.

Parameters

timeout	The time to wait for more space.

Implemented in **activemq::util::MemoryUsage** (p. 2596).

6.861.2.6 virtual void activemq::util::Usage::waitForSpace ( ) [pure virtual]

Waits forever for more space to be returned to this **Usage** (p. 4075) Manager.

Implemented in **activemq::util::MemoryUsage** (p. 2595).

The documentation for this class was generated from the following file:

- src/main/activemq/util/**Usage.h**

6.862 decaf::io::UTFDataFormatException Class Reference

Thrown from classes that attempt to read or write a UTF-8 encoded string and an encoding error is encountered.

`#include <src/main/decaf/io/UTFDataFormatException.h>`

Inheritance diagram for decaf::io::UTFDataFormatException:

Public Member Functions

- **UTFDataFormatException** () throw ()

  Default Constructor.

- **UTFDataFormatException** (const **lang::Exception** &ex) throw ()

  Copy Constructor.

- **UTFDataFormatException** (const **UTFDataFormatException** &ex) throw ()

  Copy Constructor.

- **UTFDataFormatException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **UTFDataFormatException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **UTFDataFormatException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor.

- virtual **UTFDataFormatException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**UTFDataFormatException** () throw ()

6.862.1 Detailed Description

Thrown from classes that attempt to read or write a UTF-8 encoded string and an encoding error is encountered.

Since

1.0

6.862.2 Constructor & Destructor Documentation

6.862.2.1 decaf::io::UTFDataFormatException::UTFDataFormatException ( ) throw () [inline]

Default Constructor.

6.862.2.2 decaf::io::UTFDataFormatException::UTFDataFormatException (const lang::Exception & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy

6.862.2.3 decaf::io::UTFDataFormatException::UTFDataFormatException (const UTFDataFormatException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy, which is an instance of this type

6.862.2.4 decaf::io::UTFDataFormatException::UTFDataFormatException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.862.2.5 decaf::io::UTFDataFormatException::UTFDataFormatException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.862.2.6 decaf::io::UTFDataFormatException::UTFDataFormatException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor.

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.862.2.7 virtual decaf::io::UTFDataFormatException::~UTFDataFormatException ( ) throw () [inline, virtual]

6.862.3 Member Function Documentation

6.862.3.1 virtual UTFDataFormatException* decaf::io::UTFDataFormatException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

A new instance of an Exception object that is a copy of this instance.

Reimplemented from **decaf::io::IOException** (p. 2212).

The documentation for this class was generated from the following file:

- src/main/decaf/io/**UTFDataFormatException.h**

6.863 decaf::util::UUID Class Reference

A class that represents an immutable universally unique identifier (**UUID** (p. 4080)).

`#include <src/main/decaf/util/UUID.h>`

Inheritance diagram for decaf::util::UUID:

Public Member Functions

- **UUID** (long long mostSigBits, long long leastSigBits)

  *Constructs a new **UUID** (p. 4080) using the specified data.*

- virtual ~**UUID** ()
- virtual int **compareTo** (const **UUID** &value) const

  *Compare the given **UUID** (p. 4080) to this one.*

- virtual bool **equals** (const **UUID** &value) const

  *Compares this **UUID** (p. 4080) to the one given, returns true if they are equal.*

- virtual bool **operator==** (const **UUID** &value) const

  Compares equality between this object and the one passed.

- virtual bool **operator**< (const **UUID** &value) const

  Compares this object to another and returns true if this object is considered to be less than the one passed.

- virtual std::string **toString** () const

  *Returns a String object representing this **UUID** (p. 4080).*

- virtual long long **getLeastSignificantBits** () const
- virtual long long **getMostSignificantBits** () const
- virtual long long **node** () throw (lang::exceptions::UnsupportedOperationException)

  *The node value associated with this **UUID** (p. 4080).*

- virtual long long **timestamp** () throw (lang::exceptions::UnsupportedOperationException)

  *The timestamp value associated with this **UUID** (p. 4080).*

- virtual int **clockSequence** () throw (lang::exceptions::UnsupportedOperationException)

  *The clock sequence value associated with this **UUID** (p. 4080).*

- virtual int **variant** () throw (lang::exceptions::UnsupportedOperationException)

  *The variant number associated with this **UUID** (p. 4080).*

- virtual int **version** () throw (lang::exceptions::UnsupportedOperationException)

  *The version number associated with this **UUID** (p. 4080).*

Static Public Member Functions

- static **UUID randomUUID** ()

  Static factory to retrieve a type 4 (pseudo randomly generated) ***UUID*** *(p. 4080).*

- static **UUID nameUUIDFromBytes** (const std::vector< char > &name)

  Static factory to retrieve a type 3 (name based) ***UUID*** *(p. 4080) based on the specified byte array.*

- static **UUID nameUUIDFromBytes** (const char *name, std::size_t size)

  Static factory to retrieve a type 3 (name based) ***UUID*** *(p. 4080) based on the specified byte array.*

- static **UUID fromString** (const std::string &name) throw (lang::exceptions::IllegalArgumentException)

  Creates a ***UUID*** *(p. 4080) from the string standard representation as described in the* ***toString()*** *(p. 4087) method.*

6.863.1 Detailed Description

A class that represents an immutable universally unique identifier (**UUID** (p. 4080)). A **UUID** (p. 4080) represents a 128-bit value.

There exist different variants of these global identifiers. The methods of this class are for manipulating the Leach-Salz variant, although the constructors allow the creation of any variant of **UUID** (p. 4080) (described below).

The layout of a variant 2 (Leach-Salz) **UUID** (p. 4080) is as follows: The most significant long consists of the following unsigned fields:

0xFFFFFFFF00000000 time_low 0x00000000FFFF0000 time_mid 0x000000000000F000 version 0x0000000000000FFF time_hi

The least significant long consists of the following unsigned fields:

0xC000000000000000 variant 0x3FFF000000000000 clock_seq 0x0000FFFFFFFFFFFF node

The variant field contains a value which identifies the layout of the **UUID** (p. 4080). The bit layout described above is valid only for a **UUID** (p. 4080) with a variant value of 2, which indicates the Leach-Salz variant.

The version field holds a value that describes the type of this **UUID** (p. 4080). There are four different basic types of UUIDs: time-based, DCE security, name-based, and randomly generated UUIDs. These types have a version value of 1, 2, 3 and 4, respectively.

For more information including algorithms used to create UUIDs, see the Internet-Draft UUIDs and GUIDs or the standards body definition at ISO/IEC 11578:1996.

6.863.2 Constructor & Destructor Documentation

6.863.2.1 decaf::util::UUID::UUID (long long *mostSigBits,* long long *leastSigBits*)

Constructs a new **UUID** (p. 4080) using the specified data.

mostSigBits is used for the most significant 64 bits of the **UUID** (p. 4080) and leastSigBits becomes the least significant 64 bits of the **UUID** (p. 4080).

Parameters

mostSigBits	
leastSigBits	

6.863.2.2 virtual decaf::util::UUID::~UUID ( ) [virtual]

6.863.3 Member Function Documentation

6.863.3.1 virtual int decaf::util::UUID::clockSequence ( ) throw (lang::exceptions::UnsupportedOperationException) [virtual]

The clock sequence value associated with this **UUID** (p. 4080).

The 14 bit clock sequence value is constructed from the clock sequence field of this **UUID** (p. 4080). The clock sequence field is used to guarantee temporal uniqueness in a time-based **UUID** (p. 4080).

The clockSequence value is only meaningful in a time-based **UUID** (p. 4080), which has version type 1. If this **UUID** (p. 4080) is not a time-based **UUID** (p. 4080) then this method throws UnsupportedOperationException.

Returns

the clockSequeunce associated with a V1 **UUID** (p. 4080)

Exceptions

UnsupportedOperationException	

6.863.3.2 virtual int decaf::util::UUID::compareTo (const UUID & *value*) const [virtual]

Compare the given **UUID** (p. 4080) to this one.

Parameters

value	- the **UUID** (p. 4080) to compare to

6.863.3.3 virtual bool decaf::util::UUID::equals (const UUID & *value*) const [virtual]

Compares this **UUID** (p. 4080) to the one given, returns true if they are equal.

Parameters

value	- the **UUID** (p. 4080) to compare to.

Returns

true if UUIDs are the same.

6.863.3.4 static UUID decaf::util::UUID::fromString (const std::string & *name*) throw (lang::exceptions::IllegalArgumentException) [static]

Creates a **UUID** (p. 4080) from the string standard representation as described in the **toString()** (p. 4087) method.

Parameters

name	- a string to be used to construct a **UUID** (p. 4080).

Returns

type 3 **UUID** (p. 4080)

6.863.3.5 virtual long long decaf::util::UUID::getLeastSignificantBits ( ) const [virtual]

Returns

the most significant 64 bits of this UUID's 128 bit value.

6.863.3.6 virtual long long decaf::util::UUID::getMostSignificantBits ( ) const [virtual]

Returns

the most significant 64 bits of this UUID's 128 bit value.

6.863.3.7 static UUID decaf::util::UUID::nameUUIDFromBytes (const std::vector< char > & *name*) [static]

Static factory to retrieve a type 3 (name based) **UUID** (p. 4080) based on the specified byte array.

Parameters

name	- a byte array to be used to construct a **UUID** (p. 4080).

Returns

type 3 **UUID** (p. 4080)

6.863.3.8 static UUID decaf::util::UUID::nameUUIDFromBytes (const char * *name*, std::size_t *size*) [static]

Static factory to retrieve a type 3 (name based) **UUID** (p. 4080) based on the specified byte array.

Parameters

name	- a byte array to be used to construct a **UUID** (p. 4080).
size	- the size of the byte array, or number of bytes to use.

Returns

type 3 **UUID** (p. 4080)

6.863.3.9 virtual long long decaf::util::UUID::node ( ) throw (lang::exceptions::UnsupportedOperationException) [virtual]

The node value associated with this **UUID** (p. 4080).

The 48 bit node value is constructed from the node field of this **UUID** (p. 4080). This field is intended to hold the IEEE 802 address of the machine that generated this **UUID** (p. 4080) to guarantee spatial uniqueness.

The node value is only meaningful in a time-based **UUID** (p. 4080), which has version type 1. If this **UUID** (p. 4080) is not a time-based **UUID** (p. 4080) then this method throws UnsupportedOperationException.

Returns

the node value of this **UUID** (p. 4080)

Exceptions

UnsupportedOperationException	

6.863.3.10 virtual bool decaf::util::UUID::operator< (const UUID & *value*) const [virtual]

Compares this object to another and returns true if this object is considered to be less than the one passed.

This

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

6.863.3.11 virtual bool decaf::util::UUID::operator== (const UUID & *value*) const [virtual]

Compares equality between this object and the one passed.

Parameters

value	- the value to be compared to this one.

Returns

true if this object is equal to the one passed.

6.863.3.12 static UUID decaf::util::UUID::randomUUID ( ) [static]

Static factory to retrieve a type 4 (pseudo randomly generated) **UUID** (p. 4080).

The **UUID** (p. 4080) is generated using a cryptographically strong pseudo random number generator.

Returns

type 4 **UUID** (p. 4080)

6.863.3.13 virtual long long decaf::util::UUID::timestamp ( ) throw (lang::exceptions::UnsupportedOperationException) [virtual]

The timestamp value associated with this **UUID** (p. 4080).

The 60 bit timestamp value is constructed from the time_low, time_mid, and time_hi fields of this **UUID** (p. 4080). The resulting timestamp is measured in 100-nanosecond units since midnight, October 15, 1582 UTC.

The timestamp value is only meaningful in a time-based **UUID** (p. 4080), which has version type 1. If this **UUID** (p. 4080) is not a time-based **UUID** (p. 4080) then this method throws UnsupportedOperationException.

Returns

the timestamp associated with a V1 **UUID** (p. 4080)

Exceptions

UnsupportedOperationException	

6.863.3.14 virtual std::string decaf::util::UUID::toString ( ) const [virtual]

Returns a String object representing this **UUID** (p. 4080).

UUID's are formatted as: 00112233-4455-6677-8899-AABBCCDDEEFF whose length is 36.

Returns

formatted string for this **UUID** (p. 4080)

6.863.3.15 virtual int decaf::util::UUID::variant ( ) throw (lang::exceptions::UnsupportedOperationException) [virtual]

The variant number associated with this **UUID** (p. 4080).

The variant number describes the layout of the **UUID** (p. 4080). The variant number has the following meaning:

∗ 0 Reserved for NCS backward compatibility ∗ 2 The Leach-Salz variant (used by this class) ∗ 6 Reserved, Microsoft Corporation backward compatibility ∗ 7 Reserved for future definition

Returns

the variant associated with a V1 **UUID** (p. 4080)

Exceptions

UnsupportedOperationException	

6.863.3.16 virtual int decaf::util::UUID::version ( ) throw (lang::exceptions::UnsupportedOperationException) [virtual]

The version number associated with this **UUID** (p. 4080).

The version number describes how this **UUID** (p. 4080) was generated. The version number has the following meaning:

∗ 1 Time-based **UUID** (p. 4080) ∗ 2 DCE security **UUID** (p. 4080) ∗ 3 Name-based **UUID** (p. 4080) ∗ 4 Randomly generated **UUID** (p. 4080)

Returns

the version associated with a V1 **UUID** (p. 4080)

Exceptions

UnsupportedOperationException	

The documentation for this class was generated from the following file:

- src/main/decaf/util/**UUID.h**

6.864 activemq::wireformat::WireFormat Class Reference

Provides a mechanism to marshal commands into and out of packets or into and out of streams, Channels and Datagrams.

`#include <src/main/activemq/wireformat/WireFormat.h>`

Inheritance diagram for activemq::wireformat::WireFormat:

Public Member Functions

- virtual ~**WireFormat** ()
- virtual void **marshal** (const **Pointer**< **commands::Command** > &command, const **activemq::transport::Transport** *transport, **decaf::io::DataOutputStream** *out)=0 throw (decaf::io::IOException)

  Stream based marshaling of a Command, this method blocks until the entire Command has been written out to the output stream.

- virtual **Pointer**< **commands::Command** > **unmarshal** (const **activemq::transport::Transport** *transport, **decaf::io::DataInputStream** *in)=0 throw (decaf::io::IOException)

  Stream based unmarshaling, blocks on reads on the input stream until a complete command has been read and unmarshaled into the correct form.

- virtual void **setVersion** (int version)=0

  Set the Version.

- virtual int **getVersion** () const =0

  Get the Version.

- virtual bool **hasNegotiator** () const =0

  *Returns true if this **WireFormat** (p. 4088) has a Negotiator that needs to wrap the Transport that uses it.*

- virtual bool **inReceive** () const =0

  Indicates if the WireFromat object is in the process of receiving a message.

- virtual **Pointer**< **transport::Transport** > **createNegotiator** (const **Pointer**< **transport::Transport** > &transport)=0 throw (decaf::lang::exceptions::UnsupportedOperationException)

  If the Transport Provides a Negotiator this method will create and return a new instance of the Negotiator.

6.864.1 Detailed Description

Provides a mechanism to marshal commands into and out of packets or into and out of streams, Channels and Datagrams.

Version

Revision:

1.1

6.864.2 Constructor & Destructor Documentation

6.864.2.1 virtual activemq::wireformat::WireFormat::~WireFormat ( ) [inline, virtual]

6.864.3 Member Function Documentation

6.864.3.1 virtual Pointer<transport::Transport> activemq::wireformat::WireFormat::createNegotiator (const Pointer< transport::Transport > & *transport*) throw (decaf::lang::exceptions::UnsupportedOperationException) [pure virtual]

If the Transport Provides a Negotiator this method will create and return a new instance of the Negotiator.

Parameters

transport	- the Transport to Wrap the Negotiator around.

Returns

new instance of a **WireFormatNegotiator** (p. 4129) as a **Pointer<Transport>** (p. 3032).

Exceptions

UnsupportedOperationException	if the **WireFormat** (p. 4088) doesn't have a Negotiator.

Implemented in **activemq::wireformat::openwire::OpenWireFormat** (p. 2975), and **activemq::wireformat::stomp::StompWireFormat** (p. 3752).

6.864.3.2 virtual int activemq::wireformat::WireFormat::getVersion ( ) const [pure virtual]

Get the Version.

Returns

the version of the wire format

Implemented in **activemq::wireformat::openwire::OpenWireFormat** (p. 2977), and **activemq::wireformat::stomp::StompWireFormat** (p. 3752).

6.864.3.3 virtual bool activemq::wireformat::WireFormat::hasNegotiator ( ) const [pure virtual]

Returns true if this **WireFormat** (p. 4088) has a Negotiator that needs to wrap the Transport that uses it.

Returns

true if the **WireFormat** (p. 4088) provides a Negotiator.

Implemented in **activemq::wireformat::openwire::OpenWireFormat** (p. 2977), and **activemq::wireformat::stomp::StompWireFormat** (p. 3753).

6.864.3.4 virtual bool activemq::wireformat::WireFormat::inReceive ( ) const [pure virtual]

Indicates if the WireFromat object is in the process of receiving a message.

This is useful for monitoring inactivity and the **WireFormat** (p. 4088) is processing a large message which takes longer than some configured timeout to unmarshal, the inactivity monitor can query the **WireFormat** (p. 4088) instance to determine if its busy or not and not mark the connection as inactive if so.

Returns

true if the **WireFormat** (p. 4088) object is unmarshaling a message.

Implemented in **activemq::wireformat::openwire::OpenWireFormat** (p. 2977), and **activemq::wireformat::stomp::StompWireFormat** (p. 3753).

6.864.3.5 virtual void activemq::wireformat::WireFormat::marshal (const Pointer< commands::Command > & *command,* const activemq::transport::Transport * *transport,* decaf::io::DataOutputStream * *out*) throw (decaf::io::IOException) [pure virtual]

Stream based marshaling of a Command, this method blocks until the entire Command has been written out to the output stream.

Parameters

command	The Command to Marshal
transport	The Transport that called this method.
out	The output stream to write the command to.

Exceptions

IOException	

Implemented in **activemq::wireformat::openwire::OpenWireFormat** (p. 2979), and **activemq::wireformat::stomp::StompWireFormat** (p. 3753).

6.864.3.6 virtual void activemq::wireformat::WireFormat::setVersion (int *version*) [pure virtual]

Set the Version.

Parameters

version	the version of the wire format

Implemented in **activemq::wireformat::openwire::OpenWireFormat** (p. 2982), and **activemq::wireformat::stomp::StompWireFormat** (p. 3753).

6.864.3.7 virtual Pointer<commands::Command> activemq::wireformat::WireFormat::unmarshal (const activemq::transport::Transport * *transport,* decaf::io::DataInputStream * *in*) throw (decaf::io::IOException) [pure virtual]

Stream based unmarshaling, blocks on reads on the input stream until a complete command has been read and unmarshaled into the correct form.

Returns a Pointer to the newly unmarshaled Command.

Parameters

transport	- Pointer to the transport that is making this request.
in	- the input stream to read the command from.

Returns

the newly marshaled Command, caller owns the pointer

Exceptions

IOException	

Implemented in **activemq::wireformat::openwire::OpenWireFormat** (p. 2983), and **activemq::wireformat::stomp::StompWireFormat** (p. 3754).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/**WireFormat.h**

6.865 activemq::wireformat::WireFormatFactory Class Reference

The **WireFormatFactory** (p. 4092) is the interface that all **WireFormatFactory** (p. 4092) classes must extend.

`#include <src/main/activemq/wireformat/WireFormatFactory.h>`

Inheritance diagram for activemq::wireformat::WireFormatFactory:

Public Member Functions

- virtual ~**WireFormatFactory** ()
- virtual **Pointer**< **WireFormat** > **createWireFormat** (const **decaf::util::Properties** &properties)=0 throw (decaf::lang::exceptions::IllegalStateException)

  *Creates a new **WireFormat** (p. 4088) Object passing it a set of properties from which it can obtain any optional settings.*

6.865.1 Detailed Description

The **WireFormatFactory** (p. 4092) is the interface that all **WireFormatFactory** (p. 4092) classes must extend. The Factory creates a **WireFormat** (p. 4088) Object based on the properties that are set in the passed `Properties` object.

6.865.2 Constructor & Destructor Documentation

6.865.2.1 virtual activemq::wireformat::WireFormatFactory::~WireFormatFactory ( ) [inline, virtual]

6.865.3 Member Function Documentation

6.865.3.1 virtual Pointer<WireFormat> activemq::wireformat::WireFormatFactory::createWireFormat (const decaf::util::Properties & *properties*) throw (decaf::lang::exceptions::IllegalStateException) [pure virtual]

Creates a new **WireFormat** (p. 4088) Object passing it a set of properties from which it can obtain any optional settings.

Parameters

properties	- the Properties for this **WireFormat** (p. 4088)

Returns

Pointer to a new instance of a **WireFormat** (p. 4088) object.

Implemented in **activemq::wireformat::openwire::OpenWireFormatFactory** (p. 2985), and **activemq::wireformat::stomp::StompWireFormatFactory** (p. 3755).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/**WireFormatFactory.h**

6.866 activemq::commands::WireFormatInfo Class Reference

`#include <src/main/activemq/commands/WireFormatInfo.h>`

Inheritance diagram for activemq::commands::WireFormatInfo:

Public Member Functions

- **WireFormatInfo** ()
- virtual ~**WireFormatInfo** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **DataStructure** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** ∗src)

  Copy the contents of the passed object into this objects members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** ∗value) const

  *Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.*

- virtual bool **isMarshalAware** () const

  Indicates that this command is aware of Marshaling, and needs to have its Marshaling methods invoked.

- virtual **decaf::lang::Pointer**< **commands::Command** > **visit** (**activemq::state::CommandVisitor** ∗visitor) throw (exceptions::ActiveMQException)

  Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

- int **getVersion** () const

  Get the current Wireformat Version.

- void **setVersion** (int version)

  Set the current Wireformat Version.

- long long **getMaxInactivityDuration** () const

  Returns the currently configured Max Inactivity duration.

- void **setMaxInactivityDuration** (long long maxInactivityDuration)

  Sets the Max inactivity duration value.

- long long **getMaxInactivityDurationInitalDelay** () const

  Returns the currently configured Max Inactivity Intial Delay duration.

- void **setMaxInactivityDurationInitalDelay** (long long maxInactivityDurationInitalDelay)

  Sets the Max inactivity initial delay duration value.

- bool **isStackTraceEnabled** () const

  Checks if the stackTraceEnabled flag is on.

- void **setStackTraceEnabled** (bool stackTraceEnabled)

  Sets if the stackTraceEnabled flag is on.

- bool **isTcpNoDelayEnabled** () const

  Checks if the tcpNoDelayEnabled flag is on.

- void **setTcpNoDelayEnabled** (bool tcpNoDelayEnabled)

  Sets if the tcpNoDelayEnabled flag is on.

- bool **isCacheEnabled** () const

  Checks if the cacheEnabled flag is on.

- void **setCacheEnabled** (bool cacheEnabled)

  Sets if the cacheEnabled flag is on.

- int **getCacheSize** () const

  Gets the Cache Size setting.

- void **setCacheSize** (int value)

  Sets the Cache Size setting.

- bool **isTightEncodingEnabled** () const

  Checks if the tightEncodingEnabled flag is on.

- void **setTightEncodingEnabled** (bool tightEncodingEnabled)

  Sets if the tightEncodingEnabled flag is on.

- bool **isSizePrefixDisabled** () const

  Checks if the sizePrefixDisabled flag is on.

- void **setSizePrefixDisabled** (bool sizePrefixDisabled)

  Sets if the sizePrefixDisabled flag is on.

- const std::vector< unsigned char > & **getMagic** () const

  Get the Magic field.

- void **setMagic** (const std::vector< unsigned char > &magic)

  Sets the value of the magic field.

- const std::vector< unsigned char > & **getMarshalledProperties** () const

  Get the marshalledProperties field.

- void **setMarshalledProperties** (const std::vector< unsigned char > &marshalled-Properties)

  Sets the value of the marshalledProperties field.

- virtual const **util::PrimitiveMap** & **getProperties** () const

  *Gets the Properties for this **Command** (p. 1227).*

- virtual **util::PrimitiveMap** & **getProperties** ()

  *Gets the Properties for this **Command** (p. 1227).*

- virtual void **setProperties** (const **util::PrimitiveMap** &map)

  *Sets the Properties for this **Command** (p. 1227).*

- bool **isValid** () const

  *Determines if we think this is a Valid **WireFormatInfo** (p. 4093) command.*

- virtual bool **isWireFormatInfo** () const
- virtual void **beforeMarshal** (**wireformat::WireFormat** ∗wireFormat AMQCPP_-UNUSED) throw (decaf::io::IOException)

  Handles the marshaling of the objects properties into the internal byte array before the object is marshalled to the wire.

- virtual void **afterUnmarshal** (**wireformat::WireFormat** ∗wireFormat AMQCPP_-UNUSED) throw (decaf::io::IOException)

  Called after unmarshaling is started to cleanup the object being unmarshaled.

Static Public Attributes

- static const unsigned char **ID_WIREFORMATINFO** = 1

6.866.1 Constructor & Destructor Documentation

6.866.1.1 activemq::commands::WireFormatInfo::WireFormatInfo ( )

6.866.1.2 virtual activemq::commands::WireFormatInfo::∼WireFormatInfo ( ) [virtual]

6.866.2 Member Function Documentation

6.866.2.1 virtual void activemq::commands::WireFormatInfo::afterUnmarshal (wireformat::WireFormat ∗wireFormat *AMQCPP_UNUSED*) throw (decaf::io::IOException) [virtual]

Called after unmarshaling is started to cleanup the object being unmarshaled.

Parameters

wireFormat	- the wireformat object to control unmarshaling

Reimplemented from **activemq::commands::BaseDataStructure** (p. 839).

6.866.2.2 virtual void activemq::commands::WireFormatInfo::beforeMarshal (wireformat::WireFormat *wireFormat *AMQCPP_UNUSED*) throw (decaf::io::IOException) [virtual]

Handles the marshaling of the objects properties into the internal byte array before the object is marshalled to the wire.

Parameters

wireFormat	- the wire formatting controller

Reimplemented from **activemq::commands::BaseDataStructure** (p. 839).

6.866.2.3 virtual DataStructure* activemq::commands::WireFormatInfo::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Implements **activemq::commands::DataStructure** (p. 1714).

6.866.2.4 virtual void activemq::commands::WireFormatInfo::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this objects members, overwriting any existing data.

Returns

src - Source Object

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.866.2.5 virtual bool activemq::commands::WireFormatInfo::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::BaseCommand** (p. 766).

6.866.2.6 int activemq::commands::WireFormatInfo::getCacheSize ( ) const

Gets the Cache Size setting.

Returns

currently set cache size.

6.866.2.7 virtual unsigned char activemq::commands::WireFormatInfo::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Implements **activemq::commands::DataStructure** (p. 1717).

6.866.2.8 const std::vector<unsigned char>& activemq::commands::WireFormatInfo::getMagic ( ) const [inline]

Get the Magic field.

Returns

const reference to a std::vector<char>

6.866.2.9 const std::vector<unsigned char>& activemq::commands::WireFormatInfo::getMarshalledProperties ( ) const [inline]

Get the marshalledProperties field.

Returns

const reference to a std::vector<char>

6.866.2.10 long long activemq::commands::WireFormatInfo::getMaxInactivityDuration ( ) const

Returns the currently configured Max Inactivity duration.

Returns

the set inactivity duration value.

6.866.2.11 long long activemq::commands::WireFormatInfo::getMaxInactivityDurationInitalDelay ( ) const

Returns the currently configured Max Inactivity Intial Delay duration.

Returns

the set inactivity duration initial delay value.

6.866.2.12 virtual util::PrimitiveMap& activemq::commands::WireFormatInfo::getProperties ( ) [inline, virtual]

Gets the Properties for this **Command** (p. 1227).

Returns

the Properties object for this **Command** (p. 1227).

6.866.2.13 virtual const util::PrimitiveMap& activemq::commands::WireFormatInfo::getProperties ( ) const [inline, virtual]

Gets the Properties for this **Command** (p. 1227).

Returns

the Properties object for this **Command** (p. 1227).

6.866.2.14 int activemq::commands::WireFormatInfo::getVersion ( ) const [inline]

Get the current Wireformat Version.

Returns

int that identifies the version

6.866.2.15 bool activemq::commands::WireFormatInfo::isCacheEnabled ( ) const

Checks if the cacheEnabled flag is on.

Returns

true if the flag is on.

6.866.2.16 virtual bool activemq::commands::WireFormatInfo::isMarshalAware ( ) const [inline, virtual]

Indicates that this command is aware of Marshaling, and needs to have its Marshaling methods invoked.

Returns

boolean indicating desire to be in marshaling stages

Reimplemented from **activemq::commands::BaseDataStructure** (p. 840).

6.866.2.17 bool activemq::commands::WireFormatInfo::isSizePrefixDisabled ( ) const

Checks if the sizePrefixDisabled flag is on.

Returns

true if the flag is on.

6.866.2.18 bool activemq::commands::WireFormatInfo::isStackTraceEnabled ( ) const

Checks if the stackTraceEnabled flag is on.

Returns

true if the flag is on.

6.866.2.19 bool activemq::commands::WireFormatInfo::isTcpNoDelayEnabled ( ) const

Checks if the tcpNoDelayEnabled flag is on.

Returns

true if the flag is on.

6.866.2.20 bool activemq::commands::WireFormatInfo::isTightEncodingEnabled ( ) const

Checks if the tightEncodingEnabled flag is on.

Returns

true if the flag is on.

6.866.2.21 bool activemq::commands::WireFormatInfo::isValid ( ) const

Determines if we think this is a Valid **WireFormatInfo** (p. 4093) command.

Returns

true if its valid.

6.866.2.22 virtual bool activemq::commands::WireFormatInfo::isWireFormatInfo ( ) const [inline, virtual]

Returns

answers true to the isWireFormatInfo query

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.866.2.23 void activemq::commands::WireFormatInfo::setCacheEnabled (bool *cacheEnabled*)

Sets if the cacheEnabled flag is on.

Parameters

cacheEnabled	- true to turn flag is on

6.866.2.24 void activemq::commands::WireFormatInfo::setCacheSize (int *value*)

Sets the Cache Size setting.

Parameters

value	- value to set to the cache size.

6.866.2.25 void activemq::commands::WireFormatInfo::setMagic (const std::vector< unsigned char > & *magic*) [inline]

Sets the value of the magic field.

Parameters

magic	- const std::vector<char>

6.866.2.26 void activemq::commands::WireFormatInfo::setMarshalledProperties (const std::vector< unsigned char > & *marshalledProperties*) [inline]

Sets the value of the marshalledProperties field.

Parameters

marshalledProperties	The Byte Array vector that contains the marshaled form of the **Message** (p. 2596) properties, this is the data sent over the wire.

6.866.2.27 void activemq::commands::WireFormatInfo::setMaxInactivityDuration (long long *maxInactivityDuration*)

Sets the Max inactivity duration value.

Parameters

maxInactivityDuration	- max time a client can be inactive.

6.866.2.28 void activemq::commands::WireFormatInfo::setMaxInactivityDurationInitalDelay (long long *maxInactivityDurationInitalDelay*)

Sets the Max inactivity initial delay duration value.

Parameters

maxInactivityDurationInitalDelay	- time before the inactivity delay is checked.

6.866.2.29 virtual void activemq::commands::WireFormatInfo::setProperties (const util::PrimitiveMap & *map*) [inline, virtual]

Sets the Properties for this **Command** (p. 1227).

Parameters

map	- PrimtiveMap to copy

6.866.2.30 void activemq::commands::WireFormatInfo::setSizePrefixDisabled (bool *sizePrefixDisabled*)

Sets if the sizePrefixDisabled flag is on.

Parameters

sizePrefixDisabled	- true to turn flag is on

6.866.2.31 void activemq::commands::WireFormatInfo::setStackTraceEnabled (bool *stackTraceEnabled*)

Sets if the stackTraceEnabled flag is on.

Parameters

stackTraceEnabled	- ture to turn flag is on

6.866.2.32 void activemq::commands::WireFormatInfo::setTcpNoDelayEnabled (bool *tcpNoDelayEnabled*)

Sets if the tcpNoDelayEnabled flag is on.

Parameters

tcpNoDelayEnabled	- ture to turn flag is on

6.866.2.33 void activemq::commands::WireFormatInfo::setTightEncodingEnabled (bool *tightEncodingEnabled*)

Sets if the tightEncodingEnabled flag is on.

Parameters

tightEncodingEnabled	- true to turn flag is on

6.866.2.34 void activemq::commands::WireFormatInfo::setVersion (int *version*) [inline]

Set the current Wireformat Version.

Parameters

version	- int that identifies the version

6.866.2.35 virtual std::string activemq::commands::WireFormatInfo::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::BaseCommand** (p. 770).

6.866.2.36 virtual decaf::lang::Pointer<commands::Command> activemq::commands::WireFormatInfo::visit (activemq::state::CommandVisitor * *visitor*) throw (exceptions::ActiveMQException) [virtual]

Allows a Visitor to visit this command and return a response to the command based on the command type being visited.

The command will call the proper processXXX method in the visitor.

Returns

a **Response** (p. 3379) to the visitor being called or NULL if no response.

Implements **activemq::commands::Command** (p. 1232).

6.866.3 Field Documentation

6.866.3.1 const unsigned char activemq::commands::WireFormatInfo::ID_WIREFORMATINFO = 1 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**WireFormatInfo.h**

6.867 activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4104).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/WireFormatInfoM
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller:

Public Member Functions

- **WireFormatInfoMarshaller** ()
- virtual ∼**WireFormatInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.867.1 Detailed Description

Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4104). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.867.2 Constructor & Destructor Documentation

6.867.2.1 activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller::WireFormatInfoMarshaller ( ) [inline]

6.867.2.2 virtual activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller::~WireFormatInfoMarshaller ( ) [inline, virtual]

6.867.3 Member Function Documentation

6.867.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.867.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.867.3.3 virtual void activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.867.3.4 virtual void activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.867.3.5 virtual int activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.867.3.6 virtual void activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.867.3.7 virtual void activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**WireFormatInfoMarshaller.h**

6.868 activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4109).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/WireFormatInfoMarshaller`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller:

Public Member Functions

- **WireFormatInfoMarshaller** ()
- virtual ∼**WireFormatInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.868.1 Detailed Description

Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4109). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.868.2 Constructor & Destructor Documentation

6.868.2.1 activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller::WireFormatInfoMarshaller ( ) [inline]

6.868.2.2 virtual activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller::~WireFormatInfoMarshaller ( ) [inline, virtual]

6.868.3 Member Function Documentation

6.868.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.868.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.868.3.3 virtual void activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.868.3.4 virtual void activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.868.3.5 virtual int activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.868.3.6 virtual void activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.868.3.7 virtual void activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**WireFormatInfoMarshaller.h**

6.869 activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4113).

`#include <src/main/activemq/wireformat/openwire/marshal/v2/WireFormatInfoMarshaller`

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller:

Public Member Functions

- **WireFormatInfoMarshaller** ()
- virtual ∼**WireFormatInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.869.1 Detailed Description

Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4113). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.869.2 Constructor & Destructor Documentation

6.869.2.1 activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller::WireFormatInfoMarshaller ( ) [inline]

6.869.2.2 virtual activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller::~WireFormatInfoMarshaller ( ) [inline, virtual]

6.869.3 Member Function Documentation

6.869.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.869.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.869.3.3 virtual void activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.869.3.4 virtual void activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.869.3.5 virtual int activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.869.3.6 virtual void activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.869.3.7 virtual void activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**WireFormatInfoMarshaller.h**

6.870 activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4117).

`#include <src/main/activemq/wireformat/openwire/marshal/v4/WireFormatInfoMarshaller`

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller:

Public Member Functions

- **WireFormatInfoMarshaller** ()
- virtual ∼**WireFormatInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.870.1 Detailed Description

Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4117). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.870.2 Constructor & Destructor Documentation

6.870.2.1 activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller::WireFormatInfoMarshaller ( ) [inline]

6.870.2.2 virtual activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller::~WireFormatInfoMarshaller ( ) [inline, virtual]

6.870.3 Member Function Documentation

6.870.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.870.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.870.3.3 virtual void activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.870.3.4 virtual void activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.870.3.5 virtual int activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.870.3.6 virtual void activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.870.3.7 virtual void activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**WireFormatInfoMarshaller.h**

6.871 activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4121).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/WireFormatInfoMarshaller`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller:

Public Member Functions

- **WireFormatInfoMarshaller** ()
- virtual ∼**WireFormatInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.871.1 Detailed Description

Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4121). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.871.2 Constructor & Destructor Documentation

6.871.2.1 activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller::WireFormatInfoMarshaller ( ) [inline]

6.871.2.2 virtual activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller::~WireFormatInfoMarshaller ( ) [inline, virtual]

6.871.3 Member Function Documentation

6.871.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.871.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.871.3.3 virtual void activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.871.3.4 virtual void activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.871.3.5 virtual int activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.871.3.6 virtual void activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.871.3.7 virtual void activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**WireFormatInfoMarshaller.h**

6.872 activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller Class Reference

Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4125).

`#include <src/main/activemq/wireformat/openwire/marshal/v3/WireFormatInfoMarshaller`

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller:

Public Member Functions

- **WireFormatInfoMarshaller** ()
- virtual ∼**WireFormatInfoMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.872.1 Detailed Description

Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4125). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.872.2 Constructor & Destructor Documentation

6.872.2.1 activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller::WireFormatInfoMarshaller ( ) [inline]

6.872.2.2 virtual activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller::~WireFormatInfoMarshaller ( ) [inline, virtual]

6.872.3 Member Function Documentation

6.872.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.872.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.872.3.3 virtual void activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1675).

6.872.3.4 virtual void activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1683).

6.872.3.5 virtual int activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1690).

6.872.3.6 virtual void activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1698).

6.872.3.7 virtual void activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1706).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**WireFormatInfoMarshaller.h**

6.873 activemq::wireformat::WireFormatNegotiator Class Reference

Defines a **WireFormatNegotiator** (p. 4129) which allows a **WireFormat** (p. 4088) to.

`#include <src/main/activemq/wireformat/WireFormatNegotiator.h>`

Inheritance diagram for activemq::wireformat::WireFormatNegotiator:

Public Member Functions

- **WireFormatNegotiator** (const **Pointer**< **transport::Transport** > &**next**)
  Constructor.
- virtual ~**WireFormatNegotiator** ()

6.873.1 Detailed Description

Defines a **WireFormatNegotiator** (p. 4129) which allows a **WireFormat** (p. 4088) to.

6.873.2 Constructor & Destructor Documentation

6.873.2.1 activemq::wireformat::WireFormatNegotiator::WireFormatNegotiator (const Pointer< transport::Transport > & *next*) `[inline]`

Constructor.

Parameters

next	- the next Transport in the chain

6.873.2.2 virtual activemq::wireformat::WireFormatNegotiator::~WireFormatNegotiator ( ) `[inline, virtual]`

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/**WireFormatNegotiator.h**

6.874 activemq::wireformat::WireFormatRegistry Class Reference

Registry of all **WireFormat** (p. 4088) Factories that are available to the client at runtime.

```
#include <src/main/activemq/wireformat/WireFormatRegistry.h>
```

Public Member Functions

- virtual ~**WireFormatRegistry** ()
- **WireFormatFactory** * **findFactory** (const std::string &name) const throw (decaf::lang::exceptions::NoSuchElementException)

  *Gets a Registered **WireFormatFactory** (p. 4092) from the Registry and returns it if there is not a registered format factory with the given name an exception is thrown.*

- void **registerFactory** (const std::string &name, **WireFormatFactory** *factory) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::NullPointerExceptio)

  *Registers a new **WireFormatFactory** (p. 4092) with this Registry.*

- void **unregisterFactory** (const std::string &name)

  Unregisters the Factory with the given name and deletes that instance of the Factory.

- std::vector< std::string > **getWireFormatNames** () const

  Retrieves a list of the names of all the Registered WireFormat's in this Registry.

Static Public Member Functions

- static **WireFormatRegistry** & **getInstance** ()

  *Gets the single instance of the **WireFormatRegistry** (p. 4129).*

6.874.1 Detailed Description

Registry of all **WireFormat** (p. 4088) Factories that are available to the client at runtime. New WireFormat's must have a factory registered here before a connection attempt is made.

Since

3.0

6.874.2 Constructor & Destructor Documentation

6.874.2.1 virtual activemq::wireformat::WireFormatRegistry::~WireFormatRegistry ( ) [virtual]

6.874.3 Member Function Documentation

6.874.3.1 WireFormatFactory* activemq::wireformat::WireFormatRegistry::findFactory (const std::string & *name*) const throw (decaf::lang::exceptions::NoSuchElementException)

Gets a Registered **WireFormatFactory** (p. 4092) from the Registry and returns it if there is not a registered format factory with the given name an exception is thrown.

Parameters

name	The name of the Factory to find in the Registry.

Returns

the Factory registered under the given name.

Exceptions

NoSuchElementException	if no factory is registered with that name.

6.874.3.2 static WireFormatRegistry& activemq::wireformat::WireFormatRegistry::getInstance ( ) [static]

Gets the single instance of the **WireFormatRegistry** (p. 4129).

Returns

reference to the single instance of this Registry

6.874.3.3 std::vector<std::string> activemq::wireformat::WireFormatRegistry::getWireFormatNames ( ) const

Retrieves a list of the names of all the Registered WireFormat's in this Registry.

Returns

stl vector of strings with all the **WireFormat** (p. 4088) names registered.

6.874.3.4 void activemq::wireformat::WireFormatRegistry::registerFactory (const std::string & *name*, WireFormatFactory * *factory*) throw (decaf::lang::exceptions::IllegalArgumentException, decaf::lang::exceptions::NullPointerException)

Registers a new **WireFormatFactory** (p. 4092) with this Registry.

If a Factory with the given name is already registered it is overwritten with the new one. Once a factory is added to the Registry its lifetime is controlled by the Registry, it will be deleted once the Registry has been deleted.

Parameters

name	The name of the new Factory to register.
factory	The new Factory to add to the Registry.

Exceptions

IllegalArgumentException	is name is the empty string.
NullPointerException	if the Factory is Null.

6.874.3.5 void activemq::wireformat::WireFormatRegistry::unregisterFactory (const std::string & *name*)

Unregisters the Factory with the given name and deletes that instance of the Factory.

Parameters

name	Name of the Factory to unregister and destroy

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/**WireFormatRegistry.h**

6.875 activemq::transport::inactivity::WriteChecker Class Reference

Runnable class used by the {.

`#include <src/main/activemq/transport/inactivity/WriteChecker.h>`

Inheritance diagram for activemq::transport::inactivity::WriteChecker:

Public Member Functions

- **WriteChecker** (**InactivityMonitor** *parent)

- virtual ~**WriteChecker** ()
- virtual void **run** ()

  Run method - called by the Thread class in the context of the thread.

6.875.1 Detailed Description

Runnable class used by the {.

See also

InactivityMonitor (p. 2065)} to make periodic writes to the underlying **transport** (p. 99) if no other write activity is going on in order to more quickly detect failures of the connection to the broker.

Since

3.1.0

6.875.2 Constructor & Destructor Documentation

6.875.2.1 activemq::transport::inactivity::WriteChecker::WriteChecker (InactivityMonitor * *parent*)

6.875.2.2 virtual activemq::transport::inactivity::WriteChecker::~WriteChecker ( ) [virtual]

6.875.3 Member Function Documentation

6.875.3.1 virtual void activemq::transport::inactivity::WriteChecker::run ( ) [virtual]

Run method - called by the Thread class in the context of the thread.

Implements **decaf::lang::Runnable** (p. 3419).

The documentation for this class was generated from the following file:

- src/main/activemq/transport/inactivity/**WriteChecker.h**

6.876 decaf::io::Writer Class Reference

```
#include <src/main/decaf/io/Writer.h>
```

Inheritance diagram for decaf::io::Writer:

Public Member Functions

- **Writer** ()
- virtual ∼**Writer** ()
- virtual void **write** (char v) throw (decaf::io::IOException)

  Writes an single byte char value.

- virtual void **write** (const std::vector< char > &buffer) throw (decaf::io::IOException)

  Writes an array of Chars.

- virtual void **write** (const char ∗buffer, int size) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException)

  Writes a byte array to the output stream.

- virtual void **write** (const char ∗buffer, int size, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOf)

  Writes a byte array to the output stream.

- virtual void **write** (const std::string &str) throw (decaf::io::IOException)

  Writes a string.

- virtual void **write** (const std::string &str, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException)

  Writes a string.

- virtual **decaf::lang::Appendable** & **append** (char value) throw (decaf::io::IOException)

  Appends the specified character to this Appendable.

- virtual **decaf::lang::Appendable** & **append** (const **decaf::lang::CharSequence** ∗csq) throw (decaf::io::IOException)

  Appends the specified character sequence to this Appendable.

- virtual **decaf::lang::Appendable** & **append** (const **decaf::lang::CharSequence** ∗csq, int start, int end) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsExcepti)

  Appends a subsequence of the specified character sequence to this Appendable.

Protected Member Functions

- virtual void **doWriteArrayBounded** (const char ∗buffer, int size, int offset, int length)=0 throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException)

Override this method to customize the functionality of the method write(char∗ buffer, int size, int offset, int length).

- virtual void **doWriteChar** (char v) throw (decaf::io::IOException)
- virtual void **doWriteVector** (const std::vector< char > &buffer) throw (decaf::io::IOException)
- virtual void **doWriteArray** (const char ∗buffer, int size) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException)
- virtual void **doWriteString** (const std::string &str) throw (decaf::io::IOException)
- virtual void **doWriteStringBounded** (const std::string &str, int offset, int length) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException)
- virtual **decaf::lang::Appendable** & **doAppendChar** (char value) throw (decaf::io::IOException)
- virtual **decaf::lang::Appendable** & **doAppendCharSequence** (const **decaf::lang::CharSequence** ∗csq) throw (decaf::io::IOException)
- virtual **decaf::lang::Appendable** & **doAppendCharSequenceStartEnd** (const **decaf::lang::CharSequence** ∗csq, int start, int end) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException)

6.876.1 Constructor & Destructor Documentation

6.876.1.1 decaf::io::Writer::Writer ( )

6.876.1.2 virtual decaf::io::Writer::∼Writer ( ) [virtual]

6.876.2 Member Function Documentation

6.876.2.1 virtual decaf::lang::Appendable& decaf::io::Writer::append (char *value*) throw (decaf::io::IOException) [virtual]

Appends the specified character to this Appendable.

Parameters

value	The character to append.

Returns

a Reference to this Appendable

Exceptions

Exception	if an error occurs.

Implements **decaf::lang::Appendable** (p. 734).

6.876.2.2 virtual decaf::lang::Appendable& decaf::io::Writer::append (const decaf::lang::CharSequence * *csq*) throw (decaf::io::IOException) [virtual]

Appends the specified character sequence to this Appendable.

Parameters

csq	The character sequence from which a subsequence will be appended. If csq is NULL, then characters will be appended as if csq contained the string "null".

Returns

a Reference to this Appendable.

Exceptions

Exception	if an error occurs.

Implements **decaf::lang::Appendable** (p. 735).

6.876.2.3 virtual decaf::lang::Appendable& decaf::io::Writer::append (const decaf::lang::CharSequence * *csq*, int *start*, int *end*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Appends a subsequence of the specified character sequence to this Appendable.

Parameters

csq	- The character sequence from which a subsequence will be appended. If csq is NULL, then characters will be appended as if csq contained the string "null".
start	The index of the first character in the subsequence.
end	The index of the character following the last character in the subsequence.

Returns

a Reference to this Appendable

Exceptions

Exception	if an error occurs.
IndexOutOfBoundsException	start is greater than end, or end is greater than csq.length()

Implements **decaf::lang::Appendable** (p. 734).

6.876.2.4 virtual **decaf::lang::Appendable&** decaf::io::Writer::doAppendChar (char *value*) throw (**decaf::io::IOException**) [protected, virtual]

6.876.2.5 virtual **decaf::lang::Appendable&** decaf::io::Writer::doAppendCharSequence (const **decaf::lang::CharSequence** ∗ *csq*) throw (**decaf::io::IOException**) [protected, virtual]

6.876.2.6 virtual **decaf::lang::Appendable&** decaf::io::Writer::doAppendCharSequenceStartEnd (const **decaf::lang::CharSequence** ∗ *csq,* int *start,* int *end*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) [protected, virtual]

6.876.2.7 virtual void decaf::io::Writer::doWriteArray (const char ∗ *buffer,* int *size*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::NullPointerException**) [protected, virtual]

6.876.2.8 virtual void decaf::io::Writer::doWriteArrayBounded (const char ∗ *buffer,* int *size,* int *offset,* int *length*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::NullPointerException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) [protected, pure virtual]

Override this method to customize the functionality of the method write(char∗ buffer, int size, int offset, int length).

All subclasses must override this method to provide the basic **Writer** (p. 4133) functionality.

Implemented in **decaf::io::OutputStreamWriter** (p. 3001).

6.876.2.9 virtual void decaf::io::Writer::doWriteChar (char *v*) throw (**decaf::io::IOException**) [protected, virtual]

6.876.2.10 virtual void decaf::io::Writer::doWriteString (const std::string & *str*) throw (**decaf::io::IOException**) [protected, virtual]

6.876.2.11 virtual void decaf::io::Writer::doWriteStringBounded (const std::string & *str,* int *offset,* int *length*) throw (**decaf::io::IOException**, **decaf::lang::exceptions::IndexOutOfBoundsException**) [protected, virtual]

6.876.2.12 virtual void decaf::io::Writer::doWriteVector (const std::vector< char > & *buffer*) throw (**decaf::io::IOException**) [protected, virtual]

6.876.2.13 virtual void decaf::io::Writer::write (char *v*) throw (**decaf::io::IOException**) [virtual]

Writes an single byte char value.

Parameters

v	The value to be written.

Exceptions

IOException (p. *2210*)	thrown if an error occurs.

6.876.2.14 virtual void decaf::io::Writer::write (const std::string & *str*) throw (decaf::io::IOException) [virtual]

Writes a string.

Parameters

str	The string to be written.

Exceptions

IOException (p. *2210*)	thrown if an error occurs.

6.876.2.15 virtual void decaf::io::Writer::write (const std::string & *str,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes a string.

Parameters

str	The string to be written.
offset	The position in the array to start writing from.
length	The number of bytes in the array to write.

Exceptions

IOException (p. *2210*)	thrown if an error occurs.
IndexOutOfBoundsException	if offset+length is greater than the string length.

6.876.2.16 virtual void decaf::io::Writer::write (const char * *buffer,* int *size*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException) [virtual]

Writes a byte array to the output stream.

Parameters

buffer	The byte array to write (cannot be NULL).
size	The size in bytes of the buffer passed.

Exceptions

IOException (p. *2210*)	if an I/O error occurs.
NullPointerException	if buffer is NULL.

6.876.2.17 virtual void decaf::io::Writer::write (const std::vector< char > & *buffer*) throw (decaf::io::IOException) [virtual]

Writes an array of Chars.

Parameters

buffer	The array to be written.

Exceptions

IOException (p. *2210*)	thrown if an error occurs.

6.876.2.18 virtual void decaf::io::Writer::write (const char * *buffer,* int *size,* int *offset,* int *length*) throw (decaf::io::IOException, decaf::lang::exceptions::NullPointerException, decaf::lang::exceptions::IndexOutOfBoundsException) [virtual]

Writes a byte array to the output stream.

Parameters

buffer	The byte array to write (cannot be NULL).
size	The size in bytes of the buffer passed.
offset	The position in the array to start writing from.
length	The number of bytes in the array to write.

Exceptions

IOException (p. *2210*)	if an I/O error occurs.
NullPointerException	if buffer is NULL.
IndexOutOfBoundsException	if offset + length > size of the buffer.

The documentation for this class was generated from the following file:

- src/main/decaf/io/**Writer.h**

6.877 decaf::security::auth::x500::X500Principal Class Reference

`#include <src/main/decaf/security/auth/x500/X500Principal.h>`

Inheritance diagram for decaf::security::auth::x500::X500Principal:

Public Member Functions

- virtual ~**X500Principal** ()
- virtual std::string **getName** () const =0

  Provides the name of this principal.

- virtual void **getEncoded** (std::vector< unsigned char > &output) const =0
- virtual int **hashCode** () const =0

6.877.1 Constructor & Destructor Documentation

6.877.1.1 virtual decaf::security::auth::x500::X500Principal::~X500Principal ( ) [inline, virtual]

6.877.2 Member Function Documentation

6.877.2.1 virtual void decaf::security::auth::x500::X500Principal::getEncoded (std::vector< unsigned char > & *output*) const [pure virtual]

6.877.2.2 virtual std::string decaf::security::auth::x500::X500Principal::getName ( ) const [pure virtual]

Provides the name of this principal.

Returns

the name of this principal.

Implements **decaf::security::Principal** (p. 3115).

6.877.2.3 virtual int decaf::security::auth::x500::X500Principal::hashCode ( ) const [pure virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/security/auth/x500/**X500Principal.h**

6.878 decaf::security::cert::X509Certificate Class Reference

Base interface for all identity certificates.

`#include <src/main/decaf/security/cert/X509Certificate.h>`

Inheritance diagram for decaf::security::cert::X509Certificate:

Public Member Functions

- virtual ∼**X509Certificate** ()
- virtual void **checkValidity** () const =0 throw (CertificateExpiredException, CertificateNotYetValidException)
- virtual void **checkValidity** (const **decaf::util::Date** &date) const =0 throw (CertificateExpiredException, CertificateNotYetValidException)
- virtual int **getBasicConstraints** () const =0
- virtual void **getIssuerUniqueID** (std::vector< bool > &output) const =0
- virtual const X500Principal ∗ **getIssuerX500Principal** () const =0
- virtual void **getKeyUsage** (std::vector< unsigned char > &output) const =0
- virtual Date **getNotAfter** () const =0
- virtual Date **getNotBefore** () const =0
- virtual std::string **getSigAlgName** () const =0
- virtual std::string **getSigAlgOID** () const =0
- virtual void **getSigAlgParams** (std::vector< unsigned char > &output) const =0
- virtual void **getSignature** (std::vector< unsigned char > &output) const =0
- virtual void **getSubjectUniqueID** (std::vector< bool > &output) const =0
- virtual const X500Principal ∗ **getSubjectX500Principal** () const =0
- virtual void **getTBSCertificate** (std::vector< unsigned char > &output) const =0 throw (CertificateEncodingException)
- virtual int **getVersion** () const =0

6.878.1 Detailed Description

Base interface for all identity certificates.

6.878.2 Constructor & Destructor Documentation

6.878.2.1 virtual decaf::security::cert::X509Certificate::~X509Certificate ( ) [inline, virtual]

6.878.3 Member Function Documentation

6.878.3.1 virtual void decaf::security::cert::X509Certificate::checkValidity ( ) const throw (CertificateExpiredException, CertificateNotYetValidException) [pure virtual]

6.878.3.2 virtual void decaf::security::cert::X509Certificate::checkValidity (const decaf::util::Date & *date*) const throw (CertificateExpiredException, CertificateNotYetValidException) [pure virtual]

6.878.3.3 virtual int decaf::security::cert::X509Certificate::getBasicConstraints ( ) const [pure virtual]

6.878.3.4 virtual void decaf::security::cert::X509Certificate::getIssuerUniqueID (std::vector< bool > & *output*) const [pure virtual]

6.878.3.5 virtual const X500Principal* decaf::security::cert::X509Certificate::getIssuerX500Principal ( ) const [pure virtual]

6.878.3.6 virtual void decaf::security::cert::X509Certificate::getKeyUsage (std::vector< unsigned char > & *output*) const [pure virtual]

6.878.3.7 virtual Date decaf::security::cert::X509Certificate::getNotAfter ( ) const [pure virtual]

6.878.3.8 virtual Date decaf::security::cert::X509Certificate::getNotBefore ( ) const [pure virtual]

6.878.3.9 virtual std::string decaf::security::cert::X509Certificate::getSigAlgName ( ) const [pure virtual]

6.878.3.10 virtual std::string decaf::security::cert::X509Certificate::getSigAlgOID ( ) const [pure virtual]

6.878.3.11 virtual void decaf::security::cert::X509Certificate::getSigAlgParams (std::vector< unsigned char > & *output*) const [pure virtual]

6.878.3.12 virtual void decaf::security::cert::X509Certificate::getSignature (std::vector< unsigned char > & *output*) const [pure virtual]

6.878.3.13 virtual void decaf::security::cert::X509Certificate::getSubjectUniqueID (std::vector< bool > & *output*) const [pure virtual]

6.878.3.14 virtual const X500Principal* decaf::security::cert::X509Certificate::getSubjectX500Principal ( ) const [pure virtual]

6.878.3.15 virtual void decaf::security::cert::X509Certificate::getTBSCertificate (std::vector< unsigned char > & *output*) const throw (CertificateEncodingException) [pure virtual]

6.878.3.16 virtual int decaf::security::cert::X509Certificate::getVersion ( ) const [pure virtual]

The documentation for this class was generated from the following file:

- src/main/decaf/security/cert/**X509Certificate.h**

6.879 activemq::commands::XATransactionId Class Reference

`#include <src/main/activemq/commands/XATransactionId.h>`

Inheritance diagram for activemq::commands::XATransactionId:

Public Types

- typedef **decaf::lang::PointerComparator**< **XATransactionId** > **COMPARATOR**

Public Member Functions

- **XATransactionId** ()
- **XATransactionId** (const **XATransactionId** &other)
- virtual ~**XATransactionId** ()
- virtual unsigned char **getDataStructureType** () const

  Get the unique identifier that this object and its own Marshaler share.

- virtual **XATransactionId** * **cloneDataStructure** () const

  Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

- virtual void **copyDataStructure** (const **DataStructure** *src)

  Copy the contents of the passed object into this object's members, overwriting any existing data.

- virtual std::string **toString** () const

  *Returns a string containing the information for this **DataStructure*** (p. *1713) such as its type and value of its elements.*

- virtual bool **equals** (const **DataStructure** *value) const

  *Compares the **DataStructure*** (p. *1713) passed in to this one, and returns if they are equivalent.*

- virtual int **getFormatId** () const
- virtual void **setFormatId** (int **formatId**)
- virtual const std::vector< unsigned char > & **getGlobalTransactionId** () const
- virtual std::vector< unsigned char > & **getGlobalTransactionId** ()
- virtual void **setGlobalTransactionId** (const std::vector< unsigned char > &**globalTransactionId**)
- virtual const std::vector< unsigned char > & **getBranchQualifier** () const

- virtual std::vector< unsigned char > & **getBranchQualifier** ()
- virtual void **setBranchQualifier** (const std::vector< unsigned char > &**branchQualifier**)
- virtual int **compareTo** (const **XATransactionId** &value) const
- virtual bool **equals** (const **XATransactionId** &value) const
- virtual bool **operator==** (const **XATransactionId** &value) const
- virtual bool **operator**< (const **XATransactionId** &value) const
- **XATransactionId** & **operator=** (const **XATransactionId** &other)

Static Public Attributes

- static const unsigned char **ID_XATRANSACTIONID** = 112

Protected Attributes

- int **formatId**
- std::vector< unsigned char > **globalTransactionId**
- std::vector< unsigned char > **branchQualifier**

6.879.1 Member Typedef Documentation

6.879.1.1 typedef decaf::lang::PointerComparator<XATransactionId> activemq::commands::XATransactionId::COMPARATOR

Reimplemented from **activemq::commands::TransactionId** (p. 3933).

6.879.2 Constructor & Destructor Documentation

6.879.2.1 activemq::commands::XATransactionId::XATransactionId ( )

6.879.2.2 activemq::commands::XATransactionId::XATransactionId (const XATransactionId & *other*)

6.879.2.3 virtual activemq::commands::XATransactionId::~XATransactionId ( ) [virtual]

6.879.3 Member Function Documentation

6.879.3.1 virtual XATransactionId* activemq::commands::XATransactionId::cloneDataStructure ( ) const [virtual]

Clone this object and return a new instance that the caller now owns, this will be an exact copy of this one.

Returns

new copy of this object.

Reimplemented from **activemq::commands::TransactionId** (p. 3933).

6.879.3.2 virtual int activemq::commands::XATransactionId::compareTo (const XATransactionId & *value*) const [virtual]

6.879.3.3 virtual void activemq::commands::XATransactionId::copyDataStructure (const DataStructure * *src*) [virtual]

Copy the contents of the passed object into this object's members, overwriting any existing data.

Parameters

src	- Source Object

Reimplemented from **activemq::commands::TransactionId** (p. 3934).

6.879.3.4 virtual bool activemq::commands::XATransactionId::equals (const DataStructure * *value*) const [virtual]

Compares the **DataStructure** (p. 1713) passed in to this one, and returns if they are equivalent.

Equivalent here means that they are of the same type, and that each element of the objects are the same.

Returns

true if DataStructure's are Equal.

Reimplemented from **activemq::commands::TransactionId** (p. 3934).

6.879.3.5 virtual bool activemq::commands::XATransactionId::equals (const XATransactionId & *value*) const [virtual]

6.879.3.6 virtual const std::vector<unsigned char>& activemq::commands::XATransactionId::getBranchQualifier ( ) const [virtual]

6.879.3.7 virtual std::vector<unsigned char>& activemq::commands::XATransactionId::getBranchQualifier ( ) [virtual]

6.879.3.8 virtual unsigned char activemq::commands::XATransactionId::getDataStructureType ( ) const [virtual]

Get the unique identifier that this object and its own Marshaler share.

Returns

new **DataStructure** (p. 1713) type copy.

Reimplemented from **activemq::commands::TransactionId** (p. 3934).

6.879.3.9 virtual int activemq::commands::XATransactionId::getFormatId ( ) const [virtual]

6.879.3.10 virtual const std::vector<unsigned char>& activemq::commands::XATransactionId::getGlobalTransactionId ( ) const [virtual]

6.879.3.11 virtual std::vector<unsigned char>& activemq::commands::XATransactionId::getGlobalTransactionId ( ) [virtual]

6.879.3.12 virtual bool activemq::commands::XATransactionId::operator< (const **XATransactionId** & *value*) const [virtual]

6.879.3.13 **XATransactionId**& activemq::commands::XATransactionId::operator= (const **XATransactionId** & *other*)

6.879.3.14 virtual bool activemq::commands::XATransactionId::operator== (const **XATransactionId** & *value*) const [virtual]

6.879.3.15 virtual void activemq::commands::XATransactionId::setBranchQualifier (const std::vector< unsigned char > & *branchQualifier*) [virtual]

6.879.3.16 virtual void activemq::commands::XATransactionId::setFormatId (int *formatId*) [virtual]

6.879.3.17 virtual void activemq::commands::XATransactionId::setGlobalTransactionId (const std::vector< unsigned char > & *globalTransactionId*) [virtual]

6.879.3.18 virtual std::string activemq::commands::XATransactionId::toString ( ) const [virtual]

Returns a string containing the information for this **DataStructure** (p. 1713) such as its type and value of its elements.

Returns

formatted string useful for debugging.

Reimplemented from **activemq::commands::TransactionId** (p. 3935).

6.879.4 Field Documentation

6.879.4.1 std::vector<unsigned char> activemq::commands::XATransactionId::branchQualifier [protected]

6.879.4.2 int activemq::commands::XATransactionId::formatId [protected]

6.879.4.3 std::vector<unsigned char> activemq::commands::XATransactionId::globalTransactionId [protected]

6.879.4.4 const unsigned char activemq::commands::XATransactionId::ID_-XATRANSACTIONID = 112 [static]

The documentation for this class was generated from the following file:

- src/main/activemq/commands/**XATransactionId.h**

6.880 activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4147).

`#include <src/main/activemq/wireformat/openwire/marshal/v6/XATransactionIdMarshalle`

Inheritance diagram for activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller:

Public Member Functions

- **XATransactionIdMarshaller** ()
- virtual ~**XATransactionIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.880.1 Detailed Description

Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4147).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.880.2 Constructor & Destructor Documentation

6.880.2.1 activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller::XATransactionIdMarshaller ( ) [inline]

6.880.2.2 virtual activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller::∼XATransactionIdMarshaller ( ) [inline, virtual]

6.880.3 Member Function Documentation

6.880.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.880.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.880.3.3 virtual void activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3957).

6.880.3.4 virtual void activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3957).

6.880.3.5 virtual int activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3958).

6.880.3.6 virtual void activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3958).

6.880.3.7 virtual void activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller** (p. 3959).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v6/**XATransactionIdMarshaller.h**

6.881 activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4151).

```
#include <src/main/activemq/wireformat/openwire/marshal/v2/XATransactionIdMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller:

Public Member Functions

- **XATransactionIdMarshaller** ()
- virtual ~**XATransactionIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.881.1 Detailed Description

Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4151).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.881.2 Constructor & Destructor Documentation

6.881.2.1 activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller::XATransactionIdMarshaller ( ) [inline]

6.881.2.2 virtual activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller::∼XATransactionIdMarshaller ( ) [inline, virtual]

6.881.3 Member Function Documentation

6.881.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.881.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.881.3.3 virtual void activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3945).

6.881.3.4 virtual void activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3945).

6.881.3.5 virtual int activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3946).

6.881.3.6 virtual void activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3946).

6.881.3.7 virtual void activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller** (p. 3947).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v2/**XATransactionIdMarshaller.h**

6.882 activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4155).

```
#include <src/main/activemq/wireformat/openwire/marshal/v4/XATransactionIdMarshalle
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller:

Public Member Functions

- **XATransactionIdMarshaller** ()
- virtual ~**XATransactionIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut, **utils::BooleanStream** *bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataInputStream** *dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** *wireFormat, **commands::DataStructure** *dataStructure, **decaf::io::DataOutputStream** *dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.882.1 Detailed Description

Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4155). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.882.2 Constructor & Destructor Documentation

6.882.2.1 activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller::XATransactionIdMarshaller ( ) [inline]

6.882.2.2 virtual activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller::~XATransactionIdMarshaller ( ) [inline, virtual]

6.882.3 Member Function Documentation

6.882.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.882.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.882.3.3 virtual void activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3953).

6.882.3.4 virtual void activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3953).

6.882.3.5 virtual int activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3954).

6.882.3.6 virtual void activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3954).

6.882.3.7 virtual void activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller** (p. 3955).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v4/**XATransactionIdMarshaller.h**

6.883 activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4160).

`#include <src/main/activemq/wireformat/openwire/marshal/v1/XATransactionId`

Inheritance diagram for activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller:

Public Member Functions

- **XATransactionIdMarshaller** ()
- virtual ∼**XATransactionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

Write a object instance to data output stream.

6.883.1 Detailed Description

Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4160). NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.883.2 Constructor & Destructor Documentation

6.883.2.1 activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller::XATransactionIdMarshaller ( ) [inline]

6.883.2.2 virtual activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller::~XATransactionIdMarshaller ( ) [inline, virtual]

6.883.3 Member Function Documentation

6.883.3.1 virtual commands::DataStructure* activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.883.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.883.3.3 virtual void activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3941).

6.883.3.4 virtual void activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3941).

6.883.3.5 virtual int activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3942).

6.883.3.6 virtual void activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3942).

6.883.3.7 virtual void activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller** (p. 3943).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v1/**XATransactionIdMarshaller.h**

6.884 activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4164).

```
#include <src/main/activemq/wireformat/openwire/marshal/v3/XATransactionId
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller:

Public Member Functions

- **XATransactionIdMarshaller** ()
- virtual ∼**XATransactionIdMarshaller** ()
- virtual **commands::DataStructure** ∗ **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.884.1 Detailed Description

Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4164).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.884.2 Constructor & Destructor Documentation

6.884.2.1 activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller::XATransactionIdMarshaller ( ) [inline]

6.884.2.2 virtual activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller::∼XATransactionIdMarshaller ( ) [inline, virtual]

6.884.3 Member Function Documentation

6.884.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.884.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller::getDataStructureType ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.884.3.3 virtual void activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3949).

6.884.3.4 virtual void activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3949).

6.884.3.5 virtual int activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3950).

6.884.3.6 virtual void activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3950).

6.884.3.7 virtual void activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller** (p. 3951).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v3/**XATransactionIdMarshaller.h**

6.885 activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller Class Reference

Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4168).

```
#include <src/main/activemq/wireformat/openwire/marshal/v5/XATransactionId
```

Inheritance diagram for activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller:

Public Member Functions

- **XATransactionIdMarshaller** ()
- virtual ~**XATransactionIdMarshaller** ()
- virtual **commands::DataStructure** * **createObject** () const

  Creates a new instance of this marshalable type.

- virtual unsigned char **getDataStructureType** () const

  Get the Data Structure Type that identifies this Marshaler.

- virtual void **tightUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual int **tightMarshal1** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write the booleans that this object uses to a BooleanStream.

- virtual void **tightMarshal2** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut, **utils::BooleanStream** ∗bs) throw (decaf::io::IOException)

  Write a object instance to data output stream.

- virtual void **looseUnmarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataInputStream** ∗dataIn) throw (decaf::io::IOException)

  Un-marshal an object instance from the data input stream.

- virtual void **looseMarshal** (**OpenWireFormat** ∗wireFormat, **commands::DataStructure** ∗dataStructure, **decaf::io::DataOutputStream** ∗dataOut) throw (decaf::io::IOException)

  Write a object instance to data output stream.

6.885.1 Detailed Description

Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4168).
NOTE!: This file is auto generated - do not modify! if you need to make a change, please see the Java Classes in the activemq-openwire-generator module

6.885.2 Constructor & Destructor Documentation

6.885.2.1 activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller::XATransactionIdMarshaller ( ) [inline]

6.885.2.2 virtual activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller::∼XATransactionIdMarshaller ( ) [inline, virtual]

6.885.3 Member Function Documentation

6.885.3.1 virtual commands::DataStructure∗ activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller::createObject ( ) const [virtual]

Creates a new instance of this marshalable type.

Returns

new DataStructure object pointer caller owns it.

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1661).

6.885.3.2 virtual unsigned char activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller::getDataStructureTyp ( ) const [virtual]

Get the Data Structure Type that identifies this Marshaler.

Returns

byte holding the data structure type value

Implements **activemq::wireformat::openwire::marshal::DataStreamMarshaller** (p. 1668).

6.885.3.3 virtual void activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller::looseMarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describs the wire format of the broker
dataStructure	- Object to be marshaled
dataOut	- BinaryWriter that provides that data sink

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3937).

6.885.3.4 virtual void activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller::looseUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker

dataStructure	- Object to be marshaled
dataIn	- BinaryReader that provides that data source

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3937).

6.885.3.5 virtual int activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller::tightMarshal1 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write the booleans that this object uses to a BooleanStream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled
bs	- BooleanStream stream used to pack bits from the wire.

Returns

int value indicating the size of the marshaled object.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3938).

6.885.3.6 virtual void activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller::tightMarshal2 (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataOutputStream * *dataOut*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Write a object instance to data output stream.

Parameters

wireFormat	- describes the wire format of the broker
dataStructure	- Object to be marshaled

dataOut	- BinaryReader that provides that data sink
bs	- BooleanStream stream used to pack bits from the wire.

Exceptions

IOException	if an error occurs during the marshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3938).

6.885.3.7 virtual void activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller::tightUnmarshal (OpenWireFormat * *wireFormat*, commands::DataStructure * *dataStructure*, decaf::io::DataInputStream * *dataIn*, utils::BooleanStream * *bs*) throw (decaf::io::IOException) [virtual]

Un-marshal an object instance from the data input stream.

Parameters

wireFormat	- describes the wire format of the broker.
dataStructure	- Object to be un-marshaled.
dataIn	- BinaryReader that provides that data.
bs	- BooleanStream stream used to unpack bits from the wire.

Exceptions

IOException	if an error occurs during the unmarshal.

Reimplemented from **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller** (p. 3939).

The documentation for this class was generated from the following file:

- src/main/activemq/wireformat/openwire/marshal/v5/**XATransactionIdMarshaller.h**

6.886 decaf::util::logging::XMLFormatter Class Reference

Format a **LogRecord** (p. 2487) into a standard XML format.

`#include <src/main/decaf/util/logging/XMLFormatter.h>`

Inheritance diagram for decaf::util::logging::XMLFormatter:

Public Member Functions

- **XMLFormatter** ()
- virtual ∼**XMLFormatter** ()
- virtual std::string **format** (const **LogRecord** &record) const

  *Converts a **LogRecord** (p. 2487) into an XML string.*

- virtual std::string **getHead** (const **Handler** ∗handler)

  Returns the header string for a set of log records formatted as XML strings, using the output handler's encoding if it is defined, otherwise using the default platform encoding.

- virtual std::string **getTail** (const **Handler** ∗handler)

  Returns the tail string for a set of log records formatted as XML strings.

6.886.1 Detailed Description

Format a **LogRecord** (p. 2487) into a standard XML format. TODO - Currently only outputs UTF-8 The **XMLFormatter** (p. 4172) can be used with arbitrary character encodings, but it is recommended that it normally be used with UTF-8. The character encoding can be set on the output **Handler** (p. 2042).

Since

1.0

6.886.2 Constructor & Destructor Documentation

6.886.2.1 decaf::util::logging::XMLFormatter::XMLFormatter ( )

6.886.2.2 virtual decaf::util::logging::XMLFormatter::∼XMLFormatter ( ) [virtual]

6.886.3 Member Function Documentation

6.886.3.1 virtual std::string decaf::util::logging::XMLFormatter::format (const LogRecord & *record*) const [virtual]

Converts a **LogRecord** (p. 2487) into an XML string.

Parameters

record	The log record to be formatted.

Returns

the log record formatted as an XML string.

Implements **decaf::util::logging::Formatter** (p. 2028).

6.886.3.2 virtual std::string decaf::util::logging::XMLFormatter::getHead (const Handler * *handler*) [virtual]

Returns the header string for a set of log records formatted as XML strings, using the output handler's encoding if it is defined, otherwise using the default platform encoding.

Parameters

handler	The output handler, may be NULL.

Returns

the header string for log records formatted as XML strings.

6.886.3.3 virtual std::string decaf::util::logging::XMLFormatter::getTail (const Handler * *handler*) [virtual]

Returns the tail string for a set of log records formatted as XML strings.

Parameters

handler	The output handler, may be NULL.

Returns

the tail string for log records formatted as XML strings.

The documentation for this class was generated from the following file:

- src/main/decaf/util/logging/**XMLFormatter.h**

6.887 z_stream_s Struct Reference

```
#include <src/main/decaf/internal/util/zip/zlib.h>
```

Data Fields

- **Bytef * next_in**
- **uInt avail_in**
- **uLong total_in**
- **Bytef * next_out**
- **uInt avail_out**
- **uLong total_out**
- char * **msg**
- struct **internal_state** FAR * **state**
- alloc_func **zalloc**

- free_func **zfree**
- **voidpf opaque**
- int **data_type**
- **uLong adler**
- **uLong reserved**

6.887.1 Field Documentation

6.887.1.1 uLong z_stream_s::adler

6.887.1.2 uInt z_stream_s::avail_in

6.887.1.3 uInt z_stream_s::avail_out

6.887.1.4 int z_stream_s::data_type

6.887.1.5 char* z_stream_s::msg

6.887.1.6 Bytef* z_stream_s::next_in

6.887.1.7 Bytef* z_stream_s::next_out

6.887.1.8 voidpf z_stream_s::opaque

6.887.1.9 uLong z_stream_s::reserved

6.887.1.10 struct internal_state FAR* z_stream_s::state

6.887.1.11 uLong z_stream_s::total_in

6.887.1.12 uLong z_stream_s::total_out

6.887.1.13 alloc_func z_stream_s::zalloc

6.887.1.14 free_func z_stream_s::zfree

The documentation for this struct was generated from the following file:

- src/main/decaf/internal/util/zip/**zlib.h**

6.888 decaf::util::zip::ZipException Class Reference

`#include <src/main/decaf/util/zip/ZipException.h>`

Inheritance diagram for decaf::util::zip::ZipException:

Public Member Functions

- **ZipException** () throw ()

  Default Constructor.

- **ZipException** (const **lang::Exception** &ex) throw ()

  Copy Constructor.

- **ZipException** (const **ZipException** &ex) throw ()

  Copy Constructor.

- **ZipException** (const char ∗file, const int lineNumber, const std::exception ∗**cause**, const char ∗msg,...) throw ()

  Constructor - Initializes the file name and line number where this message occurred.

- **ZipException** (const std::exception ∗**cause**) throw ()

  Constructor.

- **ZipException** (const char ∗file, const int lineNumber, const char ∗msg,...) throw ()

  Constructor.

- virtual **ZipException** ∗ **clone** () const

  Clones this exception.

- virtual ∼**ZipException** () throw ()

6.888.1 Constructor & Destructor Documentation

6.888.1.1 decaf::util::zip::ZipException::ZipException ( ) throw () [inline]

Default Constructor.

6.888.1.2 decaf::util::zip::ZipException::ZipException (const lang::Exception & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy

6.888.1.3 decaf::util::zip::ZipException::ZipException (const ZipException & *ex*) throw () [inline]

Copy Constructor.

Parameters

ex	the exception to copy, which is an instance of this type

6.888.1.4 decaf::util::zip::ZipException::ZipException (const char * *file*, const int *lineNumber*, const std::exception * *cause*, const char * *msg*, ...) throw () [inline]

Constructor - Initializes the file name and line number where this message occurred.

Sets the message to report, using an optional list of arguments to parse into the message

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
cause	The exception that was the cause for this one to be thrown.
msg	The message to report
...	list of primitives that are formatted into the message

6.888.1.5 decaf::util::zip::ZipException::ZipException (const std::exception * *cause*) throw () [inline]

Constructor.

Parameters

cause	Pointer to the exception that caused this one to be thrown, the object is cloned caller retains ownership.

6.888.1.6 decaf::util::zip::ZipException::ZipException (const char * *file*, const int *lineNumber*, const char * *msg*, ...) throw () [inline]

Constructor.

Parameters

file	The file name where exception occurs
lineNumber	The line number where the exception occurred.
msg	The message to report
...	list of primitives that are formatted into the message

6.888.1.7 virtual decaf::util::zip::ZipException::~ZipException ( ) throw () [inline, virtual]

6.888.2 Member Function Documentation

6.888.2.1 virtual ZipException* decaf::util::zip::ZipException::clone ( ) const [inline, virtual]

Clones this exception.

This is useful for cases where you need to preserve the type of the original exception as well as the message. All subclasses should override.

Returns

a new instance of an Exception that is a copy of this one.

Reimplemented from **decaf::io::IOException** (p. 2212).

The documentation for this class was generated from the following file:

- src/main/decaf/util/zip/**ZipException.h**

Chapter 7

File Documentation

7.1 src/main/activemq/cmsutil/CachedConsumer.h File Reference

```
#include <cms/MessageConsumer.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::cmsutil::CachedConsumer**

  A cached message consumer contained within a pooled session.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::cmsutil**

7.2 src/main/activemq/cmsutil/CachedProducer.h File Reference

```
#include <cms/MessageProducer.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::cmsutil::CachedProducer**

A cached message producer contained within a pooled session.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::cmsutil**

7.3 src/main/activemq/cmsutil/CmsAccessor.h File Reference

```
#include <cms/ConnectionFactory.h>
#include <activemq/cmsutil/ResourceLifecycleManager.h>
#include <activemq/util/Config.h>
#include <decaf/lang/exceptions/IllegalStateException.h>
```

Data Structures

- class **activemq::cmsutil::CmsAccessor**

  *Base class for **activemq.cmsutil.CmsTemplate** (p. 1201) and other CMS-accessing gateway helpers, defining common properties such as the CMS **cms.ConnectionFactory** (p. 1361) to operate on.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::cmsutil**

7.4 src/main/activemq/cmsutil/CmsDestinationAccessor.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/cmsutil/CmsAccessor.h>
#include <activemq/cmsutil/DynamicDestinationResolver.h>
```

Data Structures

- class **activemq::cmsutil::CmsDestinationAccessor**

  Extends the **`CmsAccessor`** (p. 1183) *to add support for resolving destination names.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::cmsutil**

7.5 src/main/activemq/cmsutil/CmsTemplate.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/cmsutil/CmsDestinationAccessor.h>
#include <activemq/cmsutil/SessionCallback.h>
#include <activemq/cmsutil/ProducerCallback.h>
#include <activemq/cmsutil/SessionPool.h>
#include <decaf/lang/exceptions/IllegalStateException.h>
#include <cms/ConnectionFactory.h>
#include <cms/DeliveryMode.h>
#include <string>
```

Data Structures

- class **activemq::cmsutil::CmsTemplate**

  `CmsTemplate` (p. 1201) *simplifies performing synchronous CMS operations.*

- class **activemq::cmsutil::CmsTemplate::ProducerExecutor**
- class **activemq::cmsutil::CmsTemplate::ResolveProducerExecutor**
- class **activemq::cmsutil::CmsTemplate::SendExecutor**
- class **activemq::cmsutil::CmsTemplate::ReceiveExecutor**
- class **activemq::cmsutil::CmsTemplate::ResolveReceiveExecutor**

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::cmsutil**

7.6 src/main/activemq/cmsutil/DestinationResolver.h File Reference

```
#include <cms/Session.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::cmsutil::DestinationResolver**

  Resolves a CMS destination name to a `Destination`.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::cmsutil**

7.7 src/main/activemq/cmsutil/DynamicDestinationResolver.h File Reference

```
#include <activemq/cmsutil/DestinationResolver.h>
#include <cms/Session.h>
#include <decaf/util/StlMap.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::cmsutil::DynamicDestinationResolver**

  Resolves a CMS destination name to a `Destination`.

- class **activemq::cmsutil::DynamicDestinationResolver::SessionResolver**

  Manages maps of names to topics and queues for a single session.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::cmsutil**

7.8 src/main/activemq/cmsutil/MessageCreator.h File Reference

```
#include <cms/Session.h>
#include <cms/Message.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::cmsutil::MessageCreator**

  Creates the user-defined message to be sent by the **`CmsTemplate`** (p. 1201).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::cmsutil**

7.9 src/main/activemq/cmsutil/PooledSession.h File Reference

```
#include <cms/Session.h>
#include <decaf/util/StlMap.h>
#include <activemq/cmsutil/CachedProducer.h>
#include <activemq/cmsutil/CachedConsumer.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::cmsutil::PooledSession**

  A pooled session object that wraps around a delegate session.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::cmsutil**

7.10 src/main/activemq/cmsutil/ProducerCallback.h File Reference

```
#include <cms/Session.h>
#include <cms/MessageProducer.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::cmsutil::ProducerCallback**

  Callback for sending a message to a CMS destination.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::cmsutil**

7.11 src/main/activemq/cmsutil/ResourceLifecycleManager.h File Reference

```
#include <cms/Connection.h>
#include <cms/Session.h>
#include <cms/Destination.h>
#include <cms/MessageProducer.h>
#include <cms/MessageConsumer.h>
#include <activemq/util/Config.h>
#include <decaf/util/StlList.h>
```

Data Structures

- class **activemq::cmsutil::ResourceLifecycleManager**

  Manages the lifecycle of a set of CMS resources.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::cmsutil**

7.12 src/main/decaf/internal/util/ResourceLifecycleManager.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/StlSet.h>
#include <decaf/internal/util/Resource.h>
```

Data Structures

- class **decaf::internal::util::ResourceLifecycleManager**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::util**

7.13 src/main/activemq/cmsutil/SessionCallback.h File Reference

```
#include <cms/Session.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::cmsutil::SessionCallback**

  Callback for executing any number of operations on a provided CMS Session.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::cmsutil**

7.14 src/main/activemq/cmsutil/SessionPool.h File Reference

```
#include <activemq/cmsutil/PooledSession.h>
#include <decaf/util/concurrent/Mutex.h>
#include <cms/Connection.h>
#include <list>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::cmsutil::SessionPool**

  A pool of CMS sessions from the same connection and with the same acknowledge mode.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::cmsutil**

7.15 src/main/activemq/commands/ActiveMQBlobMessage.h File Reference

```
#include <activemq/util/Config.h>
```

```
#include <activemq/commands/ActiveMQMessageTemplate.h>
#include <cms/Message.h>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::commands::ActiveMQBlobMessage**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.16 src/main/activemq/commands/ActiveMQBytesMessage.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/ActiveMQMessageTemplate.h>
#include <decaf/io/ByteArrayOutputStream.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <cms/BytesMessage.h>
#include <vector>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::commands::ActiveMQBytesMessage**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.17 src/main/activemq/commands/ActiveMQDestination.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/util/ActiveMQProperties.h>
#include <cms/Destination.h>
#include <decaf/lang/Pointer.h>
#include <vector>
#include <string>
#include <map>
```

Data Structures

- class **activemq::commands::ActiveMQDestination**
- struct **activemq::commands::ActiveMQDestination::DestinationFilter**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.18 src/main/activemq/commands/ActiveMQMapMessage.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/ActiveMQMessageTemplate.h>
#include <activemq/util/PrimitiveMap.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <cms/MapMessage.h>
#include <vector>
#include <string>
```

```
#include <memory>
```

Data Structures

- class **activemq::commands::ActiveMQMapMessage**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.19 src/main/activemq/commands/ActiveMQMessage.h File Reference

```
#include <cms/Message.h>
#include <activemq/util/Config.h>
#include <activemq/commands/ActiveMQMessageTemplate.h>
```

Data Structures

- class **activemq::commands::ActiveMQMessage**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.20 src/main/activemq/commands/ActiveMQMessageTemplate.h File Reference

```
#include <cms/DeliveryMode.h>
#include <activemq/util/Config.h>
#include <activemq/commands/Message.h>
#include <activemq/core/ActiveMQAckHandler.h>
```

```
#include <activemq/core/ActiveMQConnection.h>
#include <activemq/wireformat/openwire/utils/MessagePropertyInterceptor.h>
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <activemq/util/CMSExceptionSupport.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <cms/IllegalStateException.h>
#include <cms/MessageFormatException.h>
#include <cms/MessageNotReadableException.h>
#include <cms/MessageNotWriteableException.h>
```

Data Structures

- class **activemq::commands::ActiveMQMessageTemplate**< **T** >

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.21 src/main/activemq/commands/ActiveMQObjectMessage.h File Reference

```
#include <activemq/commands/ActiveMQMessageTemplate.h>
#include <cms/ObjectMessage.h>
#include <activemq/util/Config.h>
#include <memory>
```

Data Structures

- class **activemq::commands::ActiveMQObjectMessage**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.22 src/main/activemq/commands/ActiveMQQueue.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <decaf/lang/Exception.h>
#include <cms/Queue.h>
#include <vector>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::commands::ActiveMQQueue**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.23 src/main/activemq/commands/ActiveMQStreamMessage.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/ActiveMQMessage.h>
#include <activemq/commands/ActiveMQMessageTemplate.h>
#include <cms/StreamMessage.h>
#include <cms/MessageNotWriteableException.h>
#include <cms/MessageNotReadableException.h>
#include <cms/MessageFormatException.h>
#include <cms/MessageEOFException.h>
```

```
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/ByteArrayOutputStream.h>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::commands::ActiveMQStreamMessage**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.24 src/main/activemq/commands/ActiveMQTempDestination.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <cms/Closeable.h>
#include <vector>
#include <string>
```

Data Structures

- class **activemq::commands::ActiveMQTempDestination**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

- namespace **activemq::commands**

7.25 src/main/activemq/commands/ActiveMQTempQueue.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/ActiveMQTempDestination.h>
#include <cms/TemporaryQueue.h>
#include <vector>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::commands::ActiveMQTempQueue**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.26 src/main/activemq/commands/ActiveMQTempTopic.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/ActiveMQTempDestination.h>
#include <cms/TemporaryTopic.h>
#include <vector>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::commands::ActiveMQTempTopic**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.27 src/main/activemq/commands/ActiveMQTextMessage.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/ActiveMQMessageTemplate.h>
#include <cms/TextMessage.h>
#include <vector>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::commands::ActiveMQTextMessage**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.28 src/main/activemq/commands/ActiveMQTopic.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <decaf/lang/Exception.h>
#include <cms/Topic.h>
#include <vector>
#include <string>
```

```
#include <memory>
```

Data Structures

- class **activemq::commands::ActiveMQTopic**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.29 src/main/activemq/commands/BaseCommand.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/Command.h>
```

Data Structures

- class **activemq::commands::BaseCommand**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.30 src/main/activemq/commands/BaseDataStructure.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <string>
#include <sstream>
```

Data Structures

- class **activemq::commands::BaseDataStructure**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::commands**

7.31 src/main/activemq/commands/BooleanExpression.h File Reference

```
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::commands::BooleanExpression**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.32 src/main/activemq/commands/BrokerError.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/BaseCommand.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::BrokerError**

  This class represents an Exception sent from the Broker.

- struct **activemq::commands::BrokerError::StackTraceElement**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.33 src/main/activemq/commands/BrokerId.h File Reference

```
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::BrokerId**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.34 src/main/activemq/commands/BrokerInfo.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/BrokerId.h>
#include <activemq/commands/BrokerInfo.h>
```

```
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::BrokerInfo**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.35 src/main/activemq/commands/Command.h File Reference

```
#include <string>
#include <activemq/util/Config.h>
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::commands::Command**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::state**
- namespace **activemq::commands**

7.36 src/main/activemq/commands/ConnectionControl.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ConnectionControl**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.37 src/main/activemq/commands/ConnectionError.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/BrokerError.h>
#include <activemq/commands/ConnectionId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ConnectionError**

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.38 src/main/activemq/commands/ConnectionId.h File Reference

```
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ConnectionId**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.39 src/main/activemq/commands/ConnectionInfo.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/BrokerId.h>
#include <activemq/commands/ConnectionId.h>
#include <activemq/commands/RemoveInfo.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ConnectionInfo**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.40 src/main/activemq/commands/ConsumerControl.h File Reference

```
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ConsumerControl**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.41 src/main/activemq/commands/ConsumerId.h File Reference

```
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/commands/SessionId.h>
#include <activemq/util/Config.h>
```

```
#include <decaf/lang/Comparable.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ConsumerId**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.42 src/main/activemq/commands/ConsumerInfo.h File Reference

```
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/BooleanExpression.h>
#include <activemq/commands/BrokerId.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/RemoveInfo.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ConsumerInfo**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.43 src/main/activemq/commands/ControlCommand.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ControlCommand**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.44 src/main/activemq/commands/DataArrayResponse.h File Reference

```
#include <activemq/commands/DataStructure.h>
#include <activemq/commands/Response.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::DataArrayResponse**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.45 src/main/activemq/commands/DataResponse.h File Reference

```
#include <activemq/commands/DataStructure.h>
#include <activemq/commands/Response.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::DataResponse**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.46 src/main/activemq/commands/DataStructure.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/wireformat/MarshalAware.h>
```

Data Structures

- class **activemq::commands::DataStructure**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.47 src/main/activemq/commands/DestinationInfo.h File Reference

```
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/BrokerId.h>
#include <activemq/commands/ConnectionId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::DestinationInfo**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.48 src/main/activemq/commands/DiscoveryEvent.h File Reference

```
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::DiscoveryEvent**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.49 src/main/activemq/commands/ExceptionResponse.h File Reference

```
#include <activemq/commands/BrokerError.h>
#include <activemq/commands/Response.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ExceptionResponse**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.50 src/main/activemq/commands/FlushCommand.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
```

```
#include <vector>
```

Data Structures

- class **activemq::commands::FlushCommand**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.51 src/main/activemq/commands/IntegerResponse.h File Reference

```
#include <activemq/commands/Response.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::IntegerResponse**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.52 src/main/activemq/commands/JournalQueueAck.h File Reference

```
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/commands/MessageAck.h>
```

```
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::JournalQueueAck**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.53 src/main/activemq/commands/JournalTopicAck.h File Reference

```
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/commands/MessageId.h>
#include <activemq/commands/TransactionId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::JournalTopicAck**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.54 src/main/activemq/commands/JournalTrace.h File Reference

```
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::JournalTrace**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.55 src/main/activemq/commands/JournalTransaction.h File Reference

```
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/commands/TransactionId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::JournalTransaction**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.56 src/main/activemq/commands/KeepAliveInfo.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::KeepAliveInfo**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.57 src/main/activemq/commands/LastPartialCommand.h File Reference

```
#include <activemq/commands/PartialCommand.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::LastPartialCommand**

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.58 src/main/activemq/commands/LocalTransactionId.h File Reference

```
#include <activemq/commands/ConnectionId.h>
#include <activemq/commands/TransactionId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::LocalTransactionId**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.59 src/main/activemq/commands/Message.h File Reference

```
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/BrokerId.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/commands/MessageId.h>
#include <activemq/commands/ProducerId.h>
#include <activemq/commands/TransactionId.h>
```

```
#include <activemq/core/ActiveMQAckHandler.h>
#include <activemq/util/Config.h>
#include <activemq/util/PrimitiveMap.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::Message**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**
- namespace **activemq::commands**

7.60 src/main/cms/Message.h File Reference

```
#include <cms/Config.h>
#include <cms/Destination.h>
#include <cms/DeliveryMode.h>
#include <cms/CMSException.h>
#include <cms/IllegalStateException.h>
#include <cms/MessageFormatException.h>
#include <cms/MessageNotWriteableException.h>
```

Data Structures

- class **cms::Message**

  Root of all messages.

Namespaces

- namespace **cms**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.61 src/main/activemq/commands/MessageAck.h File Reference

```
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/MessageId.h>
#include <activemq/commands/TransactionId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::MessageAck**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.62 src/main/activemq/commands/MessageDispatch.h File Reference

```
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/Message.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
```

```
#include <vector>
```

Data Structures

- class **activemq::commands::MessageDispatch**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.63 src/main/activemq/commands/MessageDispatchNotification.h File Reference

```
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/MessageId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::MessageDispatchNotification**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.64 src/main/activemq/commands/MessageId.h File Reference

```
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/commands/ProducerId.h>
#include <activemq/commands/ProducerInfo.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::MessageId**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.65 src/main/activemq/commands/MessagePull.h File Reference

```
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/MessageId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::MessagePull**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.66 src/main/activemq/commands/NetworkBridgeFilter.h File Reference

```
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/commands/BrokerId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::NetworkBridgeFilter**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.67 src/main/activemq/commands/PartialCommand.h File Reference

```
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::PartialCommand**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.68 src/main/activemq/commands/ProducerAck.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/ProducerId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ProducerAck**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.69 src/main/activemq/commands/ProducerId.h File Reference

```
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/commands/SessionId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/Pointer.h>
```

```
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ProducerId**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.70 src/main/activemq/commands/ProducerInfo.h File Reference

```
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/BrokerId.h>
#include <activemq/commands/ProducerId.h>
#include <activemq/commands/RemoveInfo.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ProducerInfo**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.71 src/main/activemq/commands/RemoveInfo.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::RemoveInfo**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.72 src/main/activemq/commands/RemoveSubscriptionInfo.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/ConnectionId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::RemoveSubscriptionInfo**

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.73 src/main/activemq/commands/ReplayCommand.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ReplayCommand**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.74 src/main/activemq/commands/Response.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::Response**

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.75 src/main/activemq/commands/SessionId.h File Reference

```
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/commands/ConnectionId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::SessionId**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.76 src/main/activemq/commands/SessionInfo.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/RemoveInfo.h>
#include <activemq/commands/SessionId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::SessionInfo**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.77 src/main/activemq/commands/ShutdownInfo.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::ShutdownInfo**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.78 src/main/activemq/commands/SubscriptionInfo.h File Reference

```
#include <activemq/commands/ActiveMQDestination.h>
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::SubscriptionInfo**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.79 src/main/activemq/commands/TransactionId.h File Reference

```
#include <activemq/commands/BaseDataStructure.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::TransactionId**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.80 src/main/activemq/commands/TransactionInfo.h File Reference

```
#include <activemq/commands/BaseCommand.h>
#include <activemq/commands/ConnectionId.h>
#include <activemq/commands/TransactionId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
```

```
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::TransactionInfo**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.81 src/main/activemq/commands/WireFormatInfo.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/BaseCommand.h>
#include <activemq/util/PrimitiveMap.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <vector>
```

Data Structures

- class **activemq::commands::WireFormatInfo**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.82 src/main/activemq/commands/XATransactionId.h File Reference

```
#include <activemq/commands/TransactionId.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Comparable.h>
```

```
#include <decaf/lang/Pointer.h>
#include <string>
#include <vector>
```

Data Structures

- class **activemq::commands::XATransactionId**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**

7.83 src/main/activemq/core/ActiveMQAckHandler.h File Reference

```
#include <cms/CMSException.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::core::ActiveMQAckHandler**

  Interface class that is used to give CMS Messages an interface to Ack themselves with.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**
- namespace **activemq::core**

7.84 src/main/activemq/core/ActiveMQConnection.h File Reference

```
#include <cms/Connection.h>
#include <activemq/util/Config.h>
#include <activemq/core/ActiveMQConnectionMetaData.h>
```

```
#include <activemq/core/Dispatcher.h>
#include <activemq/commands/ActiveMQTempDestination.h>
#include <activemq/commands/ConnectionInfo.h>
#include <activemq/commands/ConsumerInfo.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <activemq/transport/TransportListener.h>
#include <decaf/util/Properties.h>
#include <decaf/util/StlMap.h>
#include <decaf/util/StlSet.h>
#include <decaf/util/concurrent/atomic/AtomicBoolean.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalStateException.h>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::core::ActiveMQConnection**

  Concrete connection used for all connectors to the ActiveMQ broker.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.85 src/main/activemq/core/ActiveMQConnectionFactory.h File Reference

```
#include <activemq/util/Config.h>
#include <cms/ConnectionFactory.h>
#include <cms/Connection.h>
```

Data Structures

- class **activemq::core::ActiveMQConnectionFactory**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.86 src/main/activemq/core/ActiveMQConnectionMetaData.h File Reference

```
#include <activemq/util/Config.h>
#include <cms/ConnectionMetaData.h>
```

Data Structures

- class **activemq::core::ActiveMQConnectionMetaData**

  *This class houses all the various settings and information that is used by an instance of an **ActiveMQConnection*** (p. 260) *class.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.87 src/main/activemq/core/ActiveMQConstants.h File Reference

```
#include <string>
#include <map>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::core::ActiveMQConstants**

  Class holding constant values for various ActiveMQ specific things Each constant is defined as an enumeration and has functions that convert back an forth between string and enum values.

- class **activemq::core::ActiveMQConstants::StaticInitializer**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.88 src/main/activemq/core/ActiveMQConsumer.h File Reference

```
#include <cms/MessageConsumer.h>
#include <cms/MessageListener.h>
#include <cms/Message.h>
#include <cms/CMSException.h>
#include <activemq/util/Config.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <activemq/commands/ConsumerInfo.h>
#include <activemq/commands/MessageAck.h>
#include <activemq/commands/MessageDispatch.h>
#include <activemq/core/Dispatcher.h>
#include <activemq/core/MessageDispatchChannel.h>
#include <activemq/core/RedeliveryPolicy.h>
#include <decaf/util/concurrent/atomic/AtomicBoolean.h>
#include <decaf/lang/Pointer.h>
#include <decaf/util/StlQueue.h>
#include <decaf/util/concurrent/Mutex.h>
#include <memory>
```

Data Structures

- class **activemq::core::ActiveMQConsumer**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.89 src/main/activemq/core/ActiveMQProducer.h File Reference

```
#include <cms/MessageProducer.h>
#include <cms/Message.h>
#include <cms/Destination.h>
#include <cms/DeliveryMode.h>
#include <activemq/util/Config.h>
#include <activemq/util/MemoryUsage.h>
#include <activemq/commands/ProducerInfo.h>
#include <activemq/commands/ProducerAck.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <memory>
```

Data Structures

- class **activemq::core::ActiveMQProducer**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.90 src/main/activemq/core/ActiveMQQueueBrowser.h File Reference

```
#include <activemq/util/Config.h>
#include <cms/Queue.h>
#include <cms/QueueBrowser.h>
#include <cms/MessageEnumeration.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/ActiveMQDestination.h>
#include <decaf/lang/Pointer.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/concurrent/atomic/AtomicBoolean.h>
#include <string>
```

Data Structures

- class **activemq::core::ActiveMQQueueBrowser**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.91 src/main/activemq/core/ActiveMQSession.h File Reference

```
#include <cms/Session.h>
#include <cms/ExceptionListener.h>
#include <activemq/util/Config.h>
#include <activemq/util/Usage.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <activemq/core/ActiveMQTransactionContext.h>
#include <activemq/commands/ActiveMQTempDestination.h>
#include <activemq/commands/SessionInfo.h>
#include <activemq/commands/ConsumerInfo.h>
```

```
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/ProducerId.h>
#include <activemq/commands/TransactionId.h>
#include <activemq/core/Dispatcher.h>
#include <activemq/core/MessageDispatchChannel.h>
#include <activemq/util/LongSequenceGenerator.h>
#include <decaf/lang/Pointer.h>
#include <decaf/util/StlMap.h>
#include <decaf/util/StlQueue.h>
#include <decaf/util/Properties.h>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::core::ActiveMQSession**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.92 src/main/activemq/core/ActiveMQSessionExecutor.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/core/MessageDispatchChannel.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/MessageDispatch.h>
#include <activemq/threads/Task.h>
#include <activemq/threads/TaskRunner.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::core::ActiveMQSessionExecutor**

  Delegate dispatcher for a single session.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.93 src/main/activemq/core/ActiveMQTransactionContext.h File Reference

```
#include <memory>
#include <cms/Message.h>
#include <activemq/util/Config.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <activemq/commands/LocalTransactionId.h>
#include <activemq/core/Synchronization.h>
#include <activemq/util/LongSequenceGenerator.h>
#include <decaf/lang/exceptions/InvalidStateException.h>
#include <decaf/util/StlSet.h>
#include <decaf/util/Properties.h>
#include <decaf/util/concurrent/Mutex.h>
```

Data Structures

- class **activemq::core::ActiveMQTransactionContext**

  Transaction Management class, hold messages that are to be redelivered upon a request to roll-back.

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.94 src/main/activemq/core/DispatchData.h File Reference

```
#include <stdlib.h>
#include <memory>
#include <activemq/util/Config.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/Message.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::core::DispatchData**

  Simple POCO that contains the information necessary to route a message to a specified consumer.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.95 src/main/activemq/core/Dispatcher.h File Reference

```
#include <activemq/commands/MessageDispatch.h>
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::core::Dispatcher**

  Interface for an object responsible for dispatching messages to consumers.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.96 src/main/activemq/core/MessageDispatchChannel.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/MessageDispatch.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/util/StlQueue.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::core::MessageDispatchChannel**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.97 src/main/activemq/core/policies/DefaultPrefetchPolicy.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/core/PrefetchPolicy.h>
```

Data Structures

- class **activemq::core::policies::DefaultPrefetchPolicy**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**
- namespace **activemq::core::policies**

7.98 src/main/activemq/core/policies/DefaultRedeliveryPolicy.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/core/RedeliveryPolicy.h>
```

Data Structures

- class **activemq::core::policies::DefaultRedeliveryPolicy**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**
- namespace **activemq::core::policies**

7.99 src/main/activemq/core/PrefetchPolicy.h File Reference

```
#include <activemq/util/Config.h>
#include <decaf/util/Properties.h>
```

Data Structures

- class **activemq::core::PrefetchPolicy**

  Interface for a Policy object that controls message Prefetching on various destination types in ActiveMQ-CPP.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.100 src/main/activemq/core/RedeliveryPolicy.h File Reference

```
#include <activemq/util/Config.h>
#include <decaf/util/Properties.h>
```

Data Structures

- class **activemq::core::RedeliveryPolicy**

  *Interface for a **RedeliveryPolicy** (p. 3267) object that controls how message Redelivery is handled in ActiveMQ-CPP when a transaction is rolled back.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.101 src/main/activemq/core/Synchronization.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/exceptions/ActiveMQException.h>
```

Data Structures

- class **activemq::core::Synchronization**

  *Transacted Object **Synchronization** (p. 3826), used to sync the events of a Transaction with the items in the Transaction.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::core**

7.102 src/main/activemq/exceptions/ActiveMQException.h File Reference

```
#include <activemq/util/Config.h>
#include <cms/CMSException.h>
#include <decaf/lang/Exception.h>
#include <activemq/exceptions/ExceptionDefines.h>
#include <stdarg.h>
#include <sstream>
```

Data Structures

- class **activemq::exceptions::ActiveMQException**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::exceptions**

7.103 src/main/activemq/exceptions/BrokerException.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <activemq/commands/BrokerError.h>
#include <sstream>
```

Data Structures

- class **activemq::exceptions::BrokerException**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::exceptions**

7.104 src/main/activemq/exceptions/ExceptionDefines.h File Reference

Defines

- #define **AMQ_CATCH_RETHROW**(type)

  Macro for catching and re-throwing an exception of a given type.

- #define **AMQ_CATCH_EXCEPTION_CONVERT**(sourceType, targetType)

  Macro for catching an exception of one type and then re-throwing as another type.

- #define **AMQ_CATCHALL_THROW**(type)

  A catch-all that throws a known exception.

- #define **AMQ_CATCHALL_NOTHROW**()

  A catch-all that does not throw an exception, one use would be to catch any exception in a destructor and mark it, but not throw so that cleanup would continue as normal.

- #define **AMQ_CATCH_NOTHROW**(type)

  Macro for catching and re-throwing an exception of a given type.

7.104.1 Define Documentation

7.104.1.1 #define AMQ_CATCH_EXCEPTION_CONVERT(*sourceType, targetType*)

Value:

```
catch( sourceType& ex ){ \
        targetType target( ex ); \
        target.setMark( __FILE__, __LINE__ ); \
        throw target; \
    }
```

Macro for catching an exception of one type and then re-throwing as another type.

Parameters

sourceType	the type of the exception to be caught.
targetType	the type of the exception to be thrown.

Referenced by activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseMarshalObjectArray(), activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalObjectArray1(), and activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalObjectArray2().

7.104.1.2 #define AMQ_CATCH_NOTHROW(*type*)

Value:

```
catch( type& ex ){ \
        ex.setMark( __FILE__, __LINE__ ); \
    }
```

Macro for catching and re-throwing an exception of a given type.

Parameters

type	The type of the exception to throw (e.g. ActiveMQException).

7.104.1.3 #define AMQ_CATCH_RETHROW(*type*)

Value:

```
catch( type& ex ){ \
        ex.setMark( __FILE__, __LINE__ ); \
        throw ex; \
    }
```

Macro for catching and re-throwing an exception of a given type.

Parameters

type	The type of the exception to throw (e.g. ActiveMQException).

Referenced by activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseMarshalObjectArray(), activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalObjectArray1(), and activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalObjectArray2().

7.104.1.4 #define AMQ_CATCHALL_NOTHROW( )

Value:

```
catch( ... ){ \
```

```
        activemq::exceptions::ActiveMQException ex( __FILE__, __LINE__, \
            "caught unknown exception, not rethrowing" ); \
    }
```

A catch-all that does not throw an exception, one use would be to catch any exception in a destructor and mark it, but not throw so that cleanup would continue as normal.

7.104.1.5 #define AMQ_CATCHALL_THROW(*type*)

Value:

```
catch( ... ){ \
        type ex( __FILE__, __LINE__, \
            "caught unknown exception" ); \
        throw ex; \
    }
```

A catch-all that throws a known exception.

Parameters

type	the type of exception to be thrown.

Referenced by activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::looseMarshalObjectArray
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalObjectArray1(),
and activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller::tightMarshalObjectArray2().

7.105 src/main/decaf/lang/exceptions/ExceptionDefines.h File Reference

Defines

- #define **DECAF_CATCH_RETHROW**(type)

  Macro for catching and rethrowing an exception of a given type.

- #define **DECAF_CATCH_EXCEPTION_CONVERT**(sourceType, targetType)

  Macro for catching an exception of one type and then rethrowing as another type.

- #define **DECAF_CATCHALL_THROW**(type)

  A catch-all that throws a known exception.

- #define **DECAF_CATCHALL_NOTHROW**()

  A catch-all that does not throw an exception, one use would be to catch any exception in a destructor and mark it, but not throw so that cleanup would continue as normal.

- #define **DECAF_CATCH_NOTHROW**(type)

Macro for catching and rethrowing an exception of a given type.

7.105.1 Define Documentation

7.105.1.1 #define DECAF_CATCH_EXCEPTION_CONVERT(*sourceType, targetType*)

Value:

```
catch( sourceType& ex ){ \
        targetType target( &ex ); \
        target.setMark( __FILE__, __LINE__ ); \
        throw target; \
    }
```

Macro for catching an exception of one type and then rethrowing as another type.

Parameters

sourceType	the type of the exception to be caught.
targetType	the type of the exception to be thrown.

Referenced by decaf::util::PriorityQueue< E >::add().

7.105.1.2 #define DECAF_CATCH_NOTHROW(*type*)

Value:

```
catch( type& ex ){ \
        ex.setMark( __FILE__, __LINE__ ); \
    }
```

Macro for catching and rethrowing an exception of a given type.

Parameters

type	The type of the exception to throw (e.g. Exception).

7.105.1.3 #define DECAF_CATCH_RETHROW(*type*)

Value:

```
catch( type& ex ){ \
        ex.setMark( __FILE__, __LINE__ ); \
        throw ex; \
    }
```

Macro for catching and rethrowing an exception of a given type.

Parameters

type	The type of the exception to throw (e.g. Exception).

Referenced by decaf::util::PriorityQueue< E >::add().

7.105.1.4 #define DECAF_CATCHALL_NOTHROW( )

Value:

```
catch( ... ){ \
        lang::Exception ex( __FILE__, __LINE__, \
            "caught unknown exception, not rethrowing" ); \
    }
```

A catch-all that does not throw an exception, one use would be to catch any exception in a destructor and mark it, but not throw so that cleanup would continue as normal.

7.105.1.5 #define DECAF_CATCHALL_THROW(*type*)

Value:

```
catch( ... ){ \
        type ex( __FILE__, __LINE__, \
            "caught unknown exception" ); \
        throw ex; \
    }
```

A catch-all that throws a known exception.

Parameters

type	the type of exception to be thrown.

Referenced by decaf::util::PriorityQueue< E >::add().

7.106 src/main/activemq/io/LoggingInputStream.h File Reference

```
#include <activemq/util/Config.h>
#include <decaf/io/FilterInputStream.h>
#include <decaf/util/logging/LoggerDefines.h>
#include <decaf/lang/exceptions/NullPointerException.h>
```

Data Structures

- class **activemq::io::LoggingInputStream**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::io**

7.107 src/main/activemq/io/LoggingOutputStream.h File Reference

```
#include <activemq/util/Config.h>
#include <decaf/io/FilterOutputStream.h>
#include <decaf/util/logging/LoggerDefines.h>
```

Data Structures

- class **activemq::io::LoggingOutputStream**

  OutputStream filter that just logs the data being written.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::io**

7.108 src/main/activemq/library/ActiveMQCPP.h File Reference

```
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::library::ActiveMQCPP**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::library**

7.109 src/main/activemq/state/CommandVisitor.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::state::CommandVisitor**

  Interface for an Object that can visit the various Command Objects that are sent from and to this client.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::commands**
- namespace **activemq::state**

7.110 src/main/activemq/state/CommandVisitorAdapter.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/state/CommandVisitor.h>
#include <activemq/core/ActiveMQConstants.h>
#include <activemq/commands/ConnectionInfo.h>
#include <activemq/commands/SessionInfo.h>
#include <activemq/commands/ProducerInfo.h>
#include <activemq/commands/ConsumerInfo.h>
#include <activemq/commands/ConnectionId.h>
#include <activemq/commands/SessionId.h>
#include <activemq/commands/ProducerId.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/DestinationInfo.h>
#include <activemq/commands/RemoveSubscriptionInfo.h>
```

```
#include <activemq/commands/Message.h>
#include <activemq/commands/MessageAck.h>
#include <activemq/commands/MessagePull.h>
#include <activemq/commands/TransactionInfo.h>
#include <activemq/commands/WireFormatInfo.h>
#include <activemq/commands/ProducerAck.h>
#include <activemq/commands/MessageDispatch.h>
#include <activemq/commands/MessageDispatchNotification.h>
#include <activemq/commands/ControlCommand.h>
#include <activemq/commands/ConnectionError.h>
#include <activemq/commands/ConnectionControl.h>
#include <activemq/commands/ConsumerControl.h>
#include <activemq/commands/ShutdownInfo.h>
#include <activemq/commands/KeepAliveInfo.h>
#include <activemq/commands/FlushCommand.h>
#include <activemq/commands/BrokerError.h>
#include <activemq/commands/BrokerInfo.h>
#include <activemq/commands/RemoveInfo.h>
#include <activemq/commands/ReplayCommand.h>
#include <activemq/commands/Response.h>
```

Data Structures

- class **activemq::state::CommandVisitorAdapter**

  Default Implementation of a ***CommandVisitor*** *(p. 1233) that returns NULL for all calls.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::state**

7.111 src/main/activemq/state/ConnectionState.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/ConnectionInfo.h>
#include <activemq/commands/DestinationInfo.h>
#include <activemq/commands/SessionInfo.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/ProducerId.h>
#include <activemq/commands/TransactionId.h>
#include <activemq/commands/LocalTransactionId.h>
#include <activemq/state/ConsumerState.h>
#include <activemq/state/ProducerState.h>
#include <activemq/state/SessionState.h>
#include <activemq/state/TransactionState.h>
#include <decaf/util/StlMap.h>
#include <decaf/util/concurrent/atomic/AtomicBoolean.h>
#include <decaf/util/concurrent/ConcurrentStlMap.h>
#include <decaf/util/StlList.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::state::ConnectionState**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::state**

7.112 src/main/activemq/state/ConnectionStateTracker.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/ConnectionId.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <activemq/state/CommandVisitorAdapter.h>
#include <activemq/state/ConnectionState.h>
#include <activemq/state/ConsumerState.h>
#include <activemq/state/ProducerState.h>
#include <activemq/state/SessionState.h>
#include <activemq/state/TransactionState.h>
#include <activemq/state/Tracked.h>
#include <activemq/transport/Transport.h>
#include <decaf/util/concurrent/ConcurrentStlMap.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::state::ConnectionStateTracker**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::state**

7.113 src/main/activemq/state/ConsumerState.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/ConsumerInfo.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::state::ConsumerState**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::state**

7.114 src/main/activemq/state/ProducerState.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/ProducerInfo.h>
#include <decaf/lang/Pointer.h>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::state::ProducerState**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::state**

7.115 src/main/activemq/state/SessionState.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/SessionInfo.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/ProducerId.h>
#include <activemq/state/ConsumerState.h>
#include <activemq/state/ProducerState.h>
```

```
#include <decaf/util/concurrent/atomic/AtomicBoolean.h>
#include <decaf/util/concurrent/ConcurrentStlMap.h>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::state::SessionState**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::state**

7.116 src/main/activemq/state/Tracked.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/Response.h>
#include <decaf/lang/Runnable.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::state::Tracked**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::state**

7.117 src/main/activemq/state/TransactionState.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/Command.h>
```

```
#include <activemq/commands/ProducerId.h>
#include <activemq/commands/TransactionId.h>
#include <decaf/lang/Pointer.h>
#include <decaf/util/StlList.h>
#include <decaf/util/concurrent/atomic/AtomicBoolean.h>
#include <decaf/util/concurrent/ConcurrentStlMap.h>
#include <string>
#include <memory>
```

Data Structures

- class **activemq::state::TransactionState**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::state**

7.118 src/main/activemq/threads/CompositeTask.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/threads/Task.h>
```

Data Structures

- class **activemq::threads::CompositeTask**

  Represents a single task that can be part of a set of Tasks that are contained in a ***CompositeTaskRunner*** *(p. 1256).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::threads**

7.119 src/main/activemq/threads/CompositeTaskRunner.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/threads/TaskRunner.h>
#include <activemq/threads/CompositeTask.h>
#include <decaf/util/StlSet.h>
#include <decaf/util/StlList.h>
#include <decaf/lang/Thread.h>
#include <decaf/lang/Runnable.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::threads::CompositeTaskRunner**

  *A **Task** (p. 3846) Runner that can contain one or more CompositeTasks that are each checked for pending work and run if any is present in the order that the tasks were added.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::threads**

7.120 src/main/activemq/threads/DedicatedTaskRunner.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/threads/TaskRunner.h>
#include <activemq/threads/Task.h>
#include <decaf/lang/Thread.h>
#include <decaf/lang/Runnable.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::threads::DedicatedTaskRunner**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::threads**

7.121 src/main/activemq/threads/Task.h File Reference

```
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::threads::Task**

  Represents a unit of work that requires one or more iterations to complete.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::threads**

7.122 src/main/activemq/threads/TaskRunner.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/threads/Task.h>
```

Data Structures

- class **activemq::threads::TaskRunner**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::threads**

7.123 src/main/activemq/transport/AbstractTransportFactory.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/Transport.h>
#include <activemq/transport/TransportFactory.h>
#include <activemq/wireformat/WireFormat.h>
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/lang/Pointer.h>
#include <decaf/util/Properties.h>
```

Data Structures

- class **activemq::transport::AbstractTransportFactory**

  *Abstract implementation of the **TransportFactory** (p. 4003) interface, providing the base functionality that's common to most of the **TransportFactory** (p. 4003) instances.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**

7.124 src/main/activemq/transport/CompositeTransport.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/Transport.h>
#include <decaf/net/URI.h>
```

```
#include <decaf/util/List.h>
```

Data Structures

- class **activemq::transport::CompositeTransport**

  *A Composite **Transport** (p. 3996) is a **Transport** (p. 3996) implementation that is composed of several Transports.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**

7.125 src/main/activemq/transport/correlator/FutureResponse.h File Reference

```
#include <activemq/util/Config.h>
#include <decaf/lang/Pointer.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/concurrent/CountDownLatch.h>
#include <activemq/commands/Response.h>
#include <activemq/exceptions/ActiveMQException.h>
```

Data Structures

- class **activemq::transport::correlator::FutureResponse**

  A container that holds a response object.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::correlator**

7.126 src/main/activemq/transport/correlator/ResponseCorrelator.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/TransportFilter.h>
#include <activemq/transport/correlator/FutureResponse.h>
#include <activemq/commands/Command.h>
#include <activemq/commands/Response.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/concurrent/Concurrent.h>
#include <decaf/util/concurrent/atomic/AtomicInteger.h>
#include <map>
#include <stdio.h>
```

Data Structures

- class **activemq::transport::correlator::ResponseCorrelator**

  This type of transport filter is responsible for correlating asynchronous responses with requests.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::correlator**

7.127 src/main/activemq/transport/DefaultTransportListener.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/TransportListener.h>
#include <activemq/commands/Command.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::transport::DefaultTransportListener**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**

7.128 src/main/activemq/transport/failover/BackupTransport.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/Transport.h>
#include <activemq/transport/DefaultTransportListener.h>
#include <decaf/net/URI.h>
#include <decaf/lang/Pointer.h>
#include <memory>
```

Data Structures

- class **activemq::transport::failover::BackupTransport**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::failover**

7.129 src/main/activemq/transport/failover/BackupTransportPool.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/threads/CompositeTask.h>
```

```
#include <activemq/threads/CompositeTaskRunner.h>
#include <activemq/transport/failover/CloseTransportsTask.h>
#include <activemq/transport/failover/BackupTransport.h>
#include <activemq/transport/failover/URIPool.h>
#include <decaf/lang/Pointer.h>
#include <decaf/io/IOException.h>
#include <decaf/util/StlList.h>
```

Data Structures

- class **activemq::transport::failover::BackupTransportPool**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::failover**

7.130 src/main/activemq/transport/failover/CloseTransportsTask.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/threads/CompositeTask.h>
#include <activemq/transport/Transport.h>
#include <decaf/util/StlQueue.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::transport::failover::CloseTransportsTask**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::failover**

7.131 src/main/activemq/transport/failover/FailoverTransport.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/Command.h>
#include <activemq/commands/ConnectionId.h>
#include <activemq/threads/TaskRunner.h>
#include <activemq/threads/CompositeTaskRunner.h>
#include <activemq/state/ConnectionStateTracker.h>
#include <activemq/transport/CompositeTransport.h>
#include <activemq/transport/failover/BackupTransportPool.h>
#include <activemq/transport/failover/CloseTransportsTask.h>
#include <activemq/transport/failover/FailoverTransportListener.h>
#include <activemq/transport/failover/URIPool.h>
#include <activemq/wireformat/WireFormat.h>
#include <decaf/util/StlList.h>
#include <decaf/util/StlMap.h>
#include <decaf/util/Properties.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/concurrent/atomic/AtomicReference.h>
#include <decaf/net/URI.h>
#include <decaf/io/IOException.h>
```

Data Structures

- class **activemq::transport::failover::FailoverTransport**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::failover**

7.132 src/main/activemq/transport/failover/FailoverTransportFactory.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/AbstractTransportFactory.h>
#include <activemq/transport/Transport.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <activemq/wireformat/WireFormat.h>
#include <decaf/net/URI.h>
#include <decaf/util/Properties.h>
```

Data Structures

- class **activemq::transport::failover::FailoverTransportFactory**

  *Creates an instance of a **FailoverTransport*** (p. *1930*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::failover**

7.133 src/main/activemq/transport/failover/FailoverTransportListener.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/TransportListener.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::transport::failover::FailoverTransportListener**

  *Utility class used by the **Transport*** (p. *3996*) *to perform the work of responding to events from the active **Transport*** (p. *3996*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::failover**

7.134 src/main/activemq/transport/failover/URIPool.h File Reference

```
#include <activemq/util/Config.h>
#include <decaf/net/URI.h>
#include <decaf/util/StlList.h>
#include <decaf/lang/exceptions/NoSuchElementException.h>
```

Data Structures

- class **activemq::transport::failover::URIPool**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::failover**

7.135 src/main/activemq/transport/inactivity/InactivityMonitor.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/TransportFilter.h>
#include <activemq/commands/Command.h>
#include <activemq/commands/Response.h>
#include <activemq/commands/WireFormatInfo.h>
#include <activemq/wireformat/WireFormat.h>
#include <decaf/lang/Pointer.h>
```

```
#include <decaf/util/Timer.h>
#include <decaf/util/Properties.h>
#include <decaf/util/concurrent/atomic/AtomicBoolean.h>
```

Data Structures

- class **activemq::transport::inactivity::InactivityMonitor**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::inactivity**

7.136 src/main/activemq/transport/inactivity/ReadChecker.h File Reference

```
#include <activemq/util/Config.h>
#include <decaf/util/TimerTask.h>
```

Data Structures

- class **activemq::transport::inactivity::ReadChecker**

  Runnable class that is used by the {.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::inactivity**

7.137 src/main/activemq/transport/inactivity/WriteChecker.h File Reference

```
#include <activemq/util/Config.h>
#include <decaf/util/TimerTask.h>
```

Data Structures

- class **activemq::transport::inactivity::WriteChecker**

  Runnable class used by the {.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::inactivity**

7.138 src/main/activemq/transport/IOTransport.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/Transport.h>
#include <activemq/transport/TransportListener.h>
#include <activemq/commands/Command.h>
#include <activemq/commands/Response.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <activemq/wireformat/WireFormat.h>
#include <decaf/lang/Runnable.h>
#include <decaf/lang/Thread.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/util/logging/LoggerDefines.h>
#include <memory>
```

Data Structures

- class **activemq::transport::IOTransport**

  *Implementation of the **Transport*** (p. *3996*) *interface that performs marshaling of commands to IO streams.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**

7.139 src/main/activemq/transport/logging/LoggingTransport.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/TransportFilter.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::transport::logging::LoggingTransport**

  A transport filter that logs commands as they are sent/received.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::logging**

7.140 src/main/activemq/transport/mock/InternalCommandListener.h File Reference

```
#include <activemq/util/Config.h>
```

```
#include <activemq/transport/mock/ResponseBuilder.h>
#include <activemq/transport/DefaultTransportListener.h>
#include <decaf/lang/Thread.h>
#include <decaf/lang/Pointer.h>
#include <decaf/util/StlQueue.h>
#include <decaf/util/concurrent/Concurrent.h>
#include <decaf/util/concurrent/atomic/AtomicInteger.h>
#include <decaf/util/concurrent/CountDownLatch.h>
```

Data Structures

- class **activemq::transport::mock::InternalCommandListener**

  *Listens for Commands sent from the **MockTransport*** (p. 2854).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::mock**

7.141 src/main/activemq/transport/mock/MockTransport.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <activemq/transport/Transport.h>
#include <activemq/transport/TransportListener.h>
#include <activemq/transport/DefaultTransportListener.h>
#include <activemq/transport/mock/ResponseBuilder.h>
#include <activemq/transport/mock/InternalCommandListener.h>
#include <activemq/wireformat/WireFormat.h>
#include <decaf/lang/Thread.h>
#include <decaf/lang/Pointer.h>
#include <decaf/util/StlQueue.h>
```

```
#include <decaf/util/concurrent/Concurrent.h>
#include <decaf/util/concurrent/atomic/AtomicInteger.h>
#include <decaf/util/concurrent/CountDownLatch.h>
#include <cms/Message.h>
#include <map>
#include <set>
```

Data Structures

- class **activemq::transport::mock::MockTransport**

  *The **MockTransport** (p. 2854) defines a base level **Transport** (p. 3996) class that is intended to be used in place of an a regular protocol **Transport** (p. 3996) suck as TCP.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::mock**

7.142 src/main/activemq/transport/mock/MockTransportFactory.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/AbstractTransportFactory.h>
```

Data Structures

- class **activemq::transport::mock::MockTransportFactory**

  Manufactures MockTransports, which are objects that read from input streams and write to output streams.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::mock**

7.143 src/main/activemq/transport/mock/ResponseBuilder.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/Command.h>
#include <activemq/commands/Response.h>
#include <decaf/lang/Pointer.h>
#include <decaf/util/StlQueue.h>
```

Data Structures

- class **activemq::transport::mock::ResponseBuilder**

  Interface for all Protocols to implement that defines the behavior of the Broker in response to messages of that protocol.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::mock**

7.144 src/main/activemq/transport/tcp/SslTransport.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/tcp/TcpTransport.h>
```

Data Structures

- class **activemq::transport::tcp::SslTransport**

  Transport *(p. 3996) for connecting to a Broker using an SSL Socket.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::tcp**

7.145 src/main/activemq/transport/tcp/SslTransportFactory.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/tcp/TcpTransportFactory.h>
```

Data Structures

- class **activemq::transport::tcp::SslTransportFactory**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::tcp**

7.146 src/main/activemq/transport/tcp/TcpTransport.h File Reference

```
#include <activemq/io/LoggingInputStream.h>
#include <activemq/io/LoggingOutputStream.h>
#include <activemq/util/Config.h>
#include <activemq/transport/TransportFilter.h>
#include <decaf/net/Socket.h>
#include <decaf/net/URI.h>
#include <decaf/util/Properties.h>
#include <decaf/lang/Pointer.h>
#include <decaf/io/BufferedInputStream.h>
```

```
#include <decaf/io/BufferedOutputStream.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <memory>
```

Data Structures

- class **activemq::transport::tcp::TcpTransport**

  *Implements a TCP/IP based transport filter, this transport is meant to wrap an instance of an **IOTransport*** (p. *2213*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::tcp**

7.147 src/main/activemq/transport/tcp/TcpTransportFactory.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/AbstractTransportFactory.h>
#include <activemq/exceptions/ActiveMQException.h>
```

Data Structures

- class **activemq::transport::tcp::TcpTransportFactory**

  *Factory Responsible for creating the **TcpTransport*** (p. *3865*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**
- namespace **activemq::transport::tcp**

7.148 src/main/activemq/transport/Transport.h File Reference

```
#include <decaf/io/InputStream.h>
#include <decaf/io/OutputStream.h>
#include <decaf/io/IOException.h>
#include <decaf/io/Closeable.h>
#include <decaf/net/URI.h>
#include <decaf/lang/Pointer.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/Command.h>
#include <activemq/commands/Response.h>
#include <typeinfo>
```

Data Structures

- class **activemq::transport::Transport**

  Interface for a transport layer for command objects.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::transport**

7.149 src/main/activemq/transport/TransportFactory.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <activemq/transport/Transport.h>
#include <decaf/net/URI.h>
#include <decaf/util/Properties.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::transport::TransportFactory**

  Defines the interface for Factories that create Transports or TransportFilters.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**

7.150 src/main/activemq/transport/TransportFilter.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <activemq/transport/Transport.h>
#include <activemq/commands/Command.h>
#include <activemq/transport/TransportListener.h>
#include <decaf/lang/Pointer.h>
#include <typeinfo>
```

Data Structures

- class **activemq::transport::TransportFilter**

  A filter on the transport layer.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**

7.151 src/main/activemq/transport/TransportListener.h File Reference

```
#include <activemq/util/Config.h>
```

```
#include <activemq/commands/Command.h>
#include <decaf/lang/Exception.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::transport::TransportListener**

  A listener of asynchronous exceptions from a command transport object.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**

7.152 src/main/activemq/transport/TransportRegistry.h File Reference

```
#include <activemq/util/Config.h>
#include <string>
#include <vector>
#include <activemq/transport/TransportFactory.h>
#include <decaf/util/StlMap.h>
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
```

Data Structures

- class **activemq::transport::TransportRegistry**

  *Registry of all **Transport** (p. 3996) Factories that are available to the client at runtime.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::transport**

7.153 src/main/activemq/util/ActiveMQProperties.h File Reference

```
#include <map>
#include <string>
#include <sstream>
#include <activemq/util/Config.h>
#include <cms/CMSProperties.h>
#include <decaf/util/Properties.h>
```

Data Structures

- class **activemq::util::ActiveMQProperties**

  *Implementation of the CMSProperties interface that delegates to a **decaf::util::Properties*** (p. *3216*) *object.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::util**

7.154 src/main/activemq/util/CMSExceptionSupport.h File Reference

```
#include <activemq/util/Config.h>
#include <cms/CMSException.h>
#include <cms/CMSSecurityException.h>
#include <cms/MessageEOFException.h>
#include <cms/MessageFormatException.h>
#include <cms/MessageNotReadableException.h>
#include <cms/MessageNotWriteableException.h>
#include <cms/InvalidClientIdException.h>
#include <cms/InvalidDestinationException.h>
```

```
#include <cms/InvalidSelectorException.h>
#include <cms/IllegalStateException.h>
#include <cms/UnsupportedOperationException.h>
#include <decaf/lang/Exception.h>
#include <string>
```

Data Structures

- class **activemq::util::CMSExceptionSupport**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::util**

Defines

- #define **AMQ_CATCH_ALL_THROW_CMSEXCEPTION**()

  Macro for catching an exception of one type and then re-throwing as a Basic CMSException, good for cases where the method isn't specific about what CMS Exceptions are thrown, bad if you need to throw an exception of MessageNotReadableException for instance.

7.154.1 Define Documentation

7.154.1.1 #define AMQ_CATCH_ALL_THROW_CMSEXCEPTION( )

Macro for catching an exception of one type and then re-throwing as a Basic CMSException, good for cases where the method isn't specific about what CMS Exceptions are thrown, bad if you need to throw an exception of MessageNotReadableException for instance.

Referenced by activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::acknowledge(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::clearBody(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::clearProperties(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::equals(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getBooleanProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getByteProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getCMSMessageID(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getDoubleProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage

>::getFloatProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getIntProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getLongProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getPropertyNames(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getShortProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::getStringProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::propertyExists(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::setBooleanProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::setByteProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::setCMSDestination(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::setCMSReplyTo(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::setDoubleProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::setFloatProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::setIntProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::setLongProperty(), activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::setShortProperty(), and activemq::commands::ActiveMQMessageTemplate< cms::ObjectMessage >::setStringProperty().

7.155 src/main/activemq/util/CompositeData.h File Reference

```
#include <activemq/util/Config.h>
#include <decaf/util/Properties.h>
#include <decaf/util/StlList.h>
#include <decaf/net/URI.h>
#include <decaf/net/URISyntaxException.h>
```

Data Structures

- class **activemq::util::CompositeData**

  Represents a Composite URI.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::util**

7.156 src/main/activemq/util/Config.h File Reference

Defines

- #define **AMQCPP_API**
- #define **HAVE_UUID_UUID_H**
- #define **HAVE_UUID_T**
- #define **HAVE_PTHREAD_H**

7.156.1 Define Documentation

7.156.1.1 #define AMQCPP_API

7.156.1.2 #define HAVE_PTHREAD_H

7.156.1.3 #define HAVE_UUID_T

7.156.1.4 #define HAVE_UUID_UUID_H

7.157 src/main/cms/Config.h File Reference

Defines

- #define **CMS_API**

7.157.1 Define Documentation

7.157.1.1 #define CMS_API

7.158 src/main/decaf/util/Config.h File Reference

Defines

- #define **DECAF_API**
- #define **HAVE_UUID_UUID_H**
- #define **HAVE_UUID_T**
- #define **HAVE_PTHREAD_H**
- #define **DECAF_UNUSED**

7.158.1 Define Documentation

7.158.1.1 #define DECAF_API

7.158.1.2 #define DECAF_UNUSED

7.158.1.3 #define HAVE_PTHREAD_H

7.158.1.4 #define HAVE_UUID_T

7.158.1.5 #define HAVE_UUID_UUID_H

7.159 src/main/activemq/util/IdGenerator.h File Reference

```
#include <activemq/util/Config.h>
#include <decaf/util/concurrent/Mutex.h>
#include <string>
```

Data Structures

- class **activemq::util::IdGenerator**
- class **activemq::util::IdGenerator::StaticData**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::util**

7.160 src/main/activemq/util/LongSequenceGenerator.h File Reference

```
#include <activemq/util/Config.h>
#include <decaf/util/concurrent/Mutex.h>
```

Data Structures

- class **activemq::util::LongSequenceGenerator**

  This class is used to generate a sequence of long long values that are incremented each time a new value is requested.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::util**

7.161 src/main/activemq/util/MarshallingSupport.h File Reference

```
#include <activemq/util/Config.h>
#include <decaf/io/IOException.h>
#include <decaf/io/UTFDataFormatException.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/DataInputStream.h>
#include <string>
```

Data Structures

- class **activemq::util::MarshallingSupport**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::util**

7.162 src/main/activemq/util/MemoryUsage.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/util/Usage.h>
#include <decaf/util/concurrent/Mutex.h>
```

Data Structures

- class **activemq::util::MemoryUsage**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::util**

7.163 src/main/activemq/util/PrimitiveList.h File Reference

```
#include <string>
#include <vector>
#include <decaf/util/StlList.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <stdio.h>
#include <activemq/util/PrimitiveValueNode.h>
#include <activemq/util/PrimitiveValueConverter.h>
```

Data Structures

- class **activemq::util::PrimitiveList**

  List of primitives.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::util**

7.164 src/main/activemq/util/PrimitiveMap.h File Reference

```
#include <string>
#include <vector>
#include <activemq/util/Config.h>
#include <decaf/util/Config.h>
```

```
#include <decaf/util/StlMap.h>
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <activemq/util/PrimitiveValueNode.h>
#include <activemq/util/PrimitiveValueConverter.h>
```

Data Structures

- class **activemq::util::PrimitiveMap**

  Map of named primitives.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::util**

7.165 src/main/activemq/util/PrimitiveValueConverter.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/util/PrimitiveValueNode.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <string>
```

Data Structures

- class **activemq::util::PrimitiveValueConverter**

  *Class controls the conversion of data contained in a **PrimitiveValueNode*** (p. *3099*) *from one type to another.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::util**

7.166 src/main/activemq/util/PrimitiveValueNode.h File Reference

```
#include <activemq/util/Config.h>
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/util/Map.h>
#include <decaf/util/List.h>
```

Data Structures

- class **activemq::util::PrimitiveValueNode**

  Class that wraps around a single value of one of the many types.

- union **activemq::util::PrimitiveValueNode::PrimitiveValue**

  Define a union type comprised of the various types.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::util**

7.167 src/main/activemq/util/URISupport.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/util/CompositeData.h>
#include <decaf/util/Properties.h>
#include <decaf/util/StlList.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
```

Data Structures

- class **activemq::util::URISupport**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::util**

7.168 src/main/activemq/util/Usage.h File Reference

```
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::util::Usage**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::util**

7.169 src/main/activemq/wireformat/MarshalAware.h File Reference

```
#include <vector>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::wireformat::MarshalAware**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**

7.170 src/main/activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/DataStreamMarshaller.h>
#include <activemq/wireformat/openwire/utils/HexTable.h>
#include <activemq/commands/MessageId.h>
#include <activemq/commands/ProducerId.h>
#include <activemq/commands/TransactionId.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller**

  Base class for all Marshallers that marshal DataStructures to and from the wire using the OpenWire protocol.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**

7.171 src/main/activemq/wireformat/openwire/marshal/DataStreamMarshaller.h File Reference

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::DataStreamMarshaller**

  Base class for all classes that marshal commands for Openwire.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**

7.172 src/main/activemq/wireformat/openwire/marshal/PrimitiveTypesMarshaller.h File Reference

```
#include <cms/CMSException.h>
#include <activemq/util/Config.h>
#include <activemq/util/PrimitiveValueNode.h>
#include <activemq/util/PrimitiveMap.h>
#include <activemq/util/PrimitiveList.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/IOException.h>
#include <string>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller**

  This class wraps the functionality needed to marshal a primitive map to the Openwire Format's expectation of what the map looks like on the wire.

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**

7.173 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQBlobMessageMarsh File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller*** (p. *194*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.174 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQBlobMessageMarsh File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/MessageMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 202).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.175 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQBlobMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller*** (p. *189*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.176 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQBlobMessageMarsh File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller*** (p. *198*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.177 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQBlobMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller*** (p. 206).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.178 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQBlobMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/MessageMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBlobMessageMarshaller** (p. 211).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.179 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQBytesMessageMars File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller*** (p. *239*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.180 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQBytesMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller*** (p. *256*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.181 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQBytesMessageMars File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 235).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.182 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQBytesMessageMars File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/MessageMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller*** (p. 243).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.183 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQBytesMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 247).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.184 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQBytesMessageMars File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQBytesMessageMarshaller** (p. 252).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.185 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQDestinationMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 328).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.186 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQDestinationMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 340).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.187 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQDestinationMarshal File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller*** (p. *324*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.188 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQDestinationMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller*** (p. *332*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.189 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQDestinationMarshal File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 336).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.190 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQDestinationMarshal File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQDestinationMarshaller** (p. 344).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.191 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQMapMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller*** (p. 369).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.192 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQMapMessageMarsh File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller*** (p. 381).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.193 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQMapMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller** (p. 364).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.194 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQMapMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/MessageMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMapMessageMarshaller*** (p. 373).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.195 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQMapMessageMarsh File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQMapMessageMarshaller*** *(p. 377).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.196 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQMapMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller**

  Marshaling code for Open Wire Format for ***ActiveMQMapMessageMarshaller*** *(p. 386).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.197 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQMessageMarshaller File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 397).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.198 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQMessageMarshaller File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/MessageMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller*** (p. *410*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.199 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 393).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.200 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQMessageMarshaller File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller** (p. 401).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.201 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller*** (p. 405).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.202 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/MessageMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQMessageMarshaller*** (p. *414*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.203 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQObjectMessageMar File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller*** (p. 445).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.204 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQObjectMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller*** (p. 457).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.205 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQObjectMessageMar File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 440).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.206 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQObjectMessageMar File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/MessageMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller** (p. 449).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.207 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQObjectMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller*** (p. 453).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.208 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQObjectMessageMar File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQObjectMessageMarshaller*** (p. 462).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.209 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQQueueMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/ActiveMQDestinationMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller*** (p. 491).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.210 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQQueueMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/ActiveMQDestinationMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 504).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.211 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQQueueMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/ActiveMQDestinationMarsh
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller*** (p. 487).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.212 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQQueueMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/ActiveMQDestinationMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller*** (p. 495).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.213 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQQueueMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/ActiveMQDestinationMarsh
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller*** (p. 499).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.214 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQQueueMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/ActiveMQDestinationMarsh
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQQueueMarshaller** (p. 508).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.215 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQStreamMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller*** (p. 557).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.216 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQStreamMessageMar File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller*** (p. 570).

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.217 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQStreamMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 553).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.218 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQStreamMessageMar File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 561).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.219 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQStreamMessageMar File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
```

```
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 566).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.220 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQStreamMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQStreamMessageMarshaller** (p. 574).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.221 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTempDestinationMa File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/ActiveMQDestinationMarsh
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller*** (p. 587).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**

- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.222 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTempDestinationMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/ActiveMQDestinationMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller*** (p. 599).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.223 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTempDestinationMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/ActiveMQDestinationMarshaller.h>
#include <decaf/io/DataInputStream.h>
```

```
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 582).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.224 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTempDestinationMa File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/ActiveMQDestinationMarsh
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller*** (p. 591).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.225 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTempDestinationMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/ActiveMQDestinationMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller*** (p. 595).

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.226 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTempDestinationMa File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/ActiveMQDestinationMarsh
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempDestinationMarshaller** (p. 603).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.227 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTempQueueMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/ActiveMQTempDestinationMarshaller
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 615).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.228 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTempQueueMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/ActiveMQTempDestinationMarshaller
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 628).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.229 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTempQueueMarsha File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/ActiveMQTempDestinationM
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 611).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.230 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTempQueueMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/ActiveMQTempDestinationMarshaller
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 619).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.231 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTempQueueMarsha File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/ActiveMQTempDestinationM
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller*** (p. 624).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.232 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTempQueueMarsha File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/ActiveMQTempDestinationM
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempQueueMarshaller** (p. 632).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.233 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTempTopicMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/ActiveMQTempDestinationMarshaller
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 649).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.234 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTempTopicMarshall File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/ActiveMQTempDestinationM
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 658).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.235 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTempTopicMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/ActiveMQTempDestinationMarshaller
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller*** (p. 641).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.236 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTempTopicMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/ActiveMQTempDestinationMarshaller
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 645).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.237 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTempTopicMarshall File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/ActiveMQTempDestinationM
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 654).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.238 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTempTopicMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/ActiveMQTempDestinationMarshaller
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTempTopicMarshaller** (p. 662).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.239 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTextMessageMarsh File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller*** (p. 680).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.240 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTextMessageMarsh File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller*** (p. 693).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.241 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTextMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller*** (p. 671).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.242 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTextMessageMarsh File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 676).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.243 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTextMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller*** (p. 684).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.244 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTextMessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/MessageMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTextMessageMarshaller** (p. 688).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.245 src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTopicMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/ActiveMQDestinationMarsh
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 710).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.246 src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTopicMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/ActiveMQDestinationMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 722).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.247 src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTopicMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/ActiveMQDestinationMarsh
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 701).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.248 src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTopicMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/ActiveMQDestinationMarsh
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 705).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.249 src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTopicMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/ActiveMQDestinationMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 714).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.250 src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTopicMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/ActiveMQDestinationMarsh
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller**

  *Marshaling code for Open Wire Format for **ActiveMQTopicMarshaller** (p. 718).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.251 src/main/activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller**

  *Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 786).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.252 src/main/activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller**

  *Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 807).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.253 src/main/activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller**

  *Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 771).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.254 src/main/activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller**

  *Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 778).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.255 src/main/activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller**

  *Marshaling code for Open Wire Format for **BaseCommandMarshaller*** (p. 793).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.256 src/main/activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller**

  *Marshaling code for Open Wire Format for **BaseCommandMarshaller** (p. 800).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.257 src/main/activemq/wireformat/openwire/marshal/v1/BrokerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller**

  *Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 886).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.258 src/main/activemq/wireformat/openwire/marshal/v2/BrokerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller**

  *Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 898).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.259 src/main/activemq/wireformat/openwire/marshal/v3/BrokerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller**

  *Marshaling code for Open Wire Format for **BrokerIdMarshaller*** (p. 878).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.260 src/main/activemq/wireformat/openwire/marshal/v4/BrokerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
```

```
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller**

  *Marshaling code for Open Wire Format for **BrokerIdMarshaller*** (p. 882).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.261 src/main/activemq/wireformat/openwire/marshal/v5/BrokerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller**

  *Marshaling code for Open Wire Format for **BrokerIdMarshaller*** (p. 890).

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.262 src/main/activemq/wireformat/openwire/marshal/v6/BrokerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller**

  *Marshaling code for Open Wire Format for **BrokerIdMarshaller** (p. 894).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.263 src/main/activemq/wireformat/openwire/marshal/v1/BrokerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller**

  *Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 919).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.264 src/main/activemq/wireformat/openwire/marshal/v2/BrokerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller**

  *Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 932).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.265 src/main/activemq/wireformat/openwire/marshal/v3/BrokerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller**

  *Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 910).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.266 src/main/activemq/wireformat/openwire/marshal/v4/BrokerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller**

  *Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 915).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.267 src/main/activemq/wireformat/openwire/marshal/v5/BrokerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller**

  *Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 923).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.268 src/main/activemq/wireformat/openwire/marshal/v6/BrokerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller**

  *Marshaling code for Open Wire Format for **BrokerInfoMarshaller** (p. 927).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.269 src/main/activemq/wireformat/openwire/marshal/v1/ConnectionControlMarshaller File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1315).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.270 src/main/activemq/wireformat/openwire/marshal/v2/ConnectionControlMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1328).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.271 src/main/activemq/wireformat/openwire/marshal/v3/ConnectionControlMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1307).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.272 src/main/activemq/wireformat/openwire/marshal/v4/ConnectionControlMarshaller File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionControlMarshaller*** *(p. 1311).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.273 src/main/activemq/wireformat/openwire/marshal/v5/ConnectionControlMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionControlMarshaller*** *(p. 1319).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.274 src/main/activemq/wireformat/openwire/marshal/v6/ConnectionControlMarshaller File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionControlMarshaller** (p. 1324).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.275 src/main/activemq/wireformat/openwire/marshal/v1/ConnectionErrorMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionErrorMarshaller*** (p. *1349*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.276 src/main/activemq/wireformat/openwire/marshal/v2/ConnectionErrorMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionErrorMarshaller*** *(p. 1336).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.277 src/main/activemq/wireformat/openwire/marshal/v3/ConnectionErrorMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionErrorMarshaller*** *(p. 1340).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.278 src/main/activemq/wireformat/openwire/marshal/v4/ConnectionErrorMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionErrorMarshaller*** (p. *1344*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.279 src/main/activemq/wireformat/openwire/marshal/v5/ConnectionErrorMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionErrorMarshaller** (p. 1353).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.280 src/main/activemq/wireformat/openwire/marshal/v6/ConnectionErrorMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionErrorMarshaller*** *(p. 1357).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.281 src/main/activemq/wireformat/openwire/marshal/v1/ConnectionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionIdMarshaller*** *(p. 1381).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.282 src/main/activemq/wireformat/openwire/marshal/v2/ConnectionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionIdMarshaller*** (p. *1368*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.283 src/main/activemq/wireformat/openwire/marshal/v3/ConnectionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionIdMarshaller*** *(*p. *1373).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.284 src/main/activemq/wireformat/openwire/marshal/v4/ConnectionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionIdMarshaller*** *(p. 1377).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.285 src/main/activemq/wireformat/openwire/marshal/v5/ConnectionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionIdMarshaller*** *(p. 1385).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.286 src/main/activemq/wireformat/openwire/marshal/v6/ConnectionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionIdMarshaller** (p. 1389).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.287 src/main/activemq/wireformat/openwire/marshal/v1/ConnectionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionInfoMarshaller*** *(p. 1412).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.288 src/main/activemq/wireformat/openwire/marshal/v2/ConnectionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionInfoMarshaller*** *(p. 1400).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.289 src/main/activemq/wireformat/openwire/marshal/v3/ConnectionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionInfoMarshaller*** *(p. 1404).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.290 src/main/activemq/wireformat/openwire/marshal/v4/ConnectionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1408).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.291 src/main/activemq/wireformat/openwire/marshal/v5/ConnectionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConnectionInfoMarshaller*** *(p. 1417).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.292 src/main/activemq/wireformat/openwire/marshal/v6/ConnectionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller**

  *Marshaling code for Open Wire Format for **ConnectionInfoMarshaller** (p. 1421).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.293 src/main/activemq/wireformat/openwire/marshal/v1/ConsumerControlMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1459).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.294 src/main/activemq/wireformat/openwire/marshal/v2/ConsumerControlMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1447).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.295 src/main/activemq/wireformat/openwire/marshal/v3/ConsumerControlMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1451).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.296 src/main/activemq/wireformat/openwire/marshal/v4/ConsumerControlMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerControlMarshaller*** *(p. 1455).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.297 src/main/activemq/wireformat/openwire/marshal/v5/ConsumerControlMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerControlMarshaller*** *(p. 1464).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.298 src/main/activemq/wireformat/openwire/marshal/v6/ConsumerControlMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerControlMarshaller** (p. 1468).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.299 src/main/activemq/wireformat/openwire/marshal/v1/ConsumerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerIdMarshaller*** *(*p. *1489).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.300 src/main/activemq/wireformat/openwire/marshal/v2/ConsumerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1477).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.301 src/main/activemq/wireformat/openwire/marshal/v3/ConsumerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1481).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.302 src/main/activemq/wireformat/openwire/marshal/v4/ConsumerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1485).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.303 src/main/activemq/wireformat/openwire/marshal/v5/ConsumerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerIdMarshaller** (p. 1493).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.304 src/main/activemq/wireformat/openwire/marshal/v6/ConsumerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerIdMarshaller*** *(p. 1497).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.305 src/main/activemq/wireformat/openwire/marshal/v1/ConsumerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerInfoMarshaller*** *(p. 1522).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.306 src/main/activemq/wireformat/openwire/marshal/v2/ConsumerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1510).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.307 src/main/activemq/wireformat/openwire/marshal/v3/ConsumerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller**

  Marshaling code for Open Wire Format for ***ConsumerInfoMarshaller*** *(p. 1514).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.308 src/main/activemq/wireformat/openwire/marshal/v4/ConsumerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1518).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.309 src/main/activemq/wireformat/openwire/marshal/v5/ConsumerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerInfoMarshaller** (p. 1527).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.310 src/main/activemq/wireformat/openwire/marshal/v6/ConsumerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ConsumerInfoMarshaller*** (p. *1531*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.311 src/main/activemq/wireformat/openwire/marshal/v1/ControlCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller**

  *Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1552).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.312 src/main/activemq/wireformat/openwire/marshal/v2/ControlCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller**

  *Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1539).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.313 src/main/activemq/wireformat/openwire/marshal/v3/ControlCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller**

  *Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1544).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.314 src/main/activemq/wireformat/openwire/marshal/v4/ControlCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller**

  *Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1548).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.315 src/main/activemq/wireformat/openwire/marshal/v5/ControlCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller**

  Marshaling code for Open Wire Format for ***ControlCommandMarshaller*** *(p. 1556).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.316 src/main/activemq/wireformat/openwire/marshal/v6/ControlCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller**

  *Marshaling code for Open Wire Format for **ControlCommandMarshaller** (p. 1561).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.317 src/main/activemq/wireformat/openwire/marshal/v1/DataArrayResponseMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller**

  *Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1587).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.318 src/main/activemq/wireformat/openwire/marshal/v2/DataArrayResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller**

  *Marshaling code for Open Wire Format for **DataArrayResponseMarshaller*** (p. *1574*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.319 src/main/activemq/wireformat/openwire/marshal/v3/DataArrayResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/ResponseMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller**

  *Marshaling code for Open Wire Format for **DataArrayResponseMarshaller** (p. 1579).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.320 src/main/activemq/wireformat/openwire/marshal/v4/DataArrayResponseMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller**

  Marshaling code for Open Wire Format for ***DataArrayResponseMarshaller*** *(p. 1583).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.321 src/main/activemq/wireformat/openwire/marshal/v5/DataArrayResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller**

  Marshaling code for Open Wire Format for ***DataArrayResponseMarshaller*** *(p. 1592).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.322 src/main/activemq/wireformat/openwire/marshal/v6/DataArrayResponseMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller**

  *Marshaling code for Open Wire Format for **DataArrayResponseMarshaller*** (p. *1596*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.323 src/main/activemq/wireformat/openwire/marshal/v1/DataResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/ResponseMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller**

  *Marshaling code for Open Wire Format for **DataResponseMarshaller*** (p. *1656*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.324 src/main/activemq/wireformat/openwire/marshal/v2/DataResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller**

  *Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1643).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.325 src/main/activemq/wireformat/openwire/marshal/v3/DataResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller**

  *Marshaling code for Open Wire Format for **DataResponseMarshaller** (p. 1647).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.326 src/main/activemq/wireformat/openwire/marshal/v4/DataResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller**

  *Marshaling code for Open Wire Format for **DataResponseMarshaller*** (p. *1652*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.327 src/main/activemq/wireformat/openwire/marshal/v5/DataResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/ResponseMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller**

  *Marshaling code for Open Wire Format for **DataResponseMarshaller*** (p. *1635*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.328 src/main/activemq/wireformat/openwire/marshal/v6/DataResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller**

  *Marshaling code for Open Wire Format for **DataResponseMarshaller*** (p. *1639*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.329 src/main/activemq/wireformat/openwire/marshal/v1/DestinationInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller**

  *Marshaling code for Open Wire Format for **DestinationInfoMarshaller*** (p. *1797*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.330 src/main/activemq/wireformat/openwire/marshal/v2/DestinationInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller**

  *Marshaling code for Open Wire Format for **DestinationInfoMarshaller** (p. 1784).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.331 src/main/activemq/wireformat/openwire/marshal/v3/DestinationInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller**

  Marshaling code for Open Wire Format for ***DestinationInfoMarshaller*** *(*p. *1789).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.332 src/main/activemq/wireformat/openwire/marshal/v4/DestinationInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller**

  Marshaling code for Open Wire Format for ***DestinationInfoMarshaller*** *(p. 1793).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.333 src/main/activemq/wireformat/openwire/marshal/v5/DestinationInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller**

  Marshaling code for Open Wire Format for ***DestinationInfoMarshaller*** *(p. 1806).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.334 src/main/activemq/wireformat/openwire/marshal/v6/DestinationInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller**

  *Marshaling code for Open Wire Format for **DestinationInfoMarshaller*** (p. *1801*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.335 src/main/activemq/wireformat/openwire/marshal/v1/DiscoveryEventMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller**

  *Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1831).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.336 src/main/activemq/wireformat/openwire/marshal/v2/DiscoveryEventMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller**

  Marshaling code for Open Wire Format for ***DiscoveryEventMarshaller*** *(p. 1819).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.337 src/main/activemq/wireformat/openwire/marshal/v3/DiscoveryEventMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller**

  Marshaling code for Open Wire Format for ***DiscoveryEventMarshaller*** *(p. 1823).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.338 src/main/activemq/wireformat/openwire/marshal/v4/DiscoveryEventMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller**

  *Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1827).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.339 src/main/activemq/wireformat/openwire/marshal/v5/DiscoveryEventMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller**

  Marshaling code for Open Wire Format for ***DiscoveryEventMarshaller*** *(*p. *1835).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.340 src/main/activemq/wireformat/openwire/marshal/v6/DiscoveryEventMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller**

  *Marshaling code for Open Wire Format for **DiscoveryEventMarshaller** (p. 1815).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.341 src/main/activemq/wireformat/openwire/marshal/v1/ExceptionResponseMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller**

  *Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1919).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.342 src/main/activemq/wireformat/openwire/marshal/v2/ExceptionResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller**

  *Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1902).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.343 src/main/activemq/wireformat/openwire/marshal/v3/ExceptionResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/ResponseMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller**

  *Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1906).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.344 src/main/activemq/wireformat/openwire/marshal/v4/ExceptionResponseMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller**

  *Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1915).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.345 src/main/activemq/wireformat/openwire/marshal/v5/ExceptionResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller**

  *Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1910).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.346 src/main/activemq/wireformat/openwire/marshal/v6/ExceptionResponseMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller**

  *Marshaling code for Open Wire Format for **ExceptionResponseMarshaller** (p. 1898).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.347 src/main/activemq/wireformat/openwire/marshal/v1/FlushCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller**

  *Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2019).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.348 src/main/activemq/wireformat/openwire/marshal/v2/FlushCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller**

  *Marshaling code for Open Wire Format for **FlushCommandMarshaller*** (p. *2006*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.349 src/main/activemq/wireformat/openwire/marshal/v3/FlushCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller**

  *Marshaling code for Open Wire Format for **FlushCommandMarshaller*** (p. *2010*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.350 src/main/activemq/wireformat/openwire/marshal/v4/FlushCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller**

  *Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2014).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.351 src/main/activemq/wireformat/openwire/marshal/v5/FlushCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller**

  *Marshaling code for Open Wire Format for **FlushCommandMarshaller*** (p. *2023*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.352 src/main/activemq/wireformat/openwire/marshal/v6/FlushCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller**

  *Marshaling code for Open Wire Format for **FlushCommandMarshaller** (p. 2002).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.353 src/main/activemq/wireformat/openwire/marshal/v1/IntegerResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller**

  *Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2180).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.354 src/main/activemq/wireformat/openwire/marshal/v2/IntegerResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller**

  *Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2167).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.355 src/main/activemq/wireformat/openwire/marshal/v3/IntegerResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/ResponseMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller**

  *Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2171).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.356 src/main/activemq/wireformat/openwire/marshal/v4/IntegerResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller**

  Marshaling code for Open Wire Format for ***IntegerResponseMarshaller*** *(p. 2175).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.357 src/main/activemq/wireformat/openwire/marshal/v5/IntegerResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller**

  Marshaling code for Open Wire Format for ***IntegerResponseMarshaller*** *(p. 2184).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.358 src/main/activemq/wireformat/openwire/marshal/v6/IntegerResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/ResponseMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller**

  *Marshaling code for Open Wire Format for **IntegerResponseMarshaller** (p. 2162).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.359 src/main/activemq/wireformat/openwire/marshal/v1/JournalQueueAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2248).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.360 src/main/activemq/wireformat/openwire/marshal/v2/JournalQueueAckMarshaller. File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2232).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.361 src/main/activemq/wireformat/openwire/marshal/v3/JournalQueueAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2240).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.362 src/main/activemq/wireformat/openwire/marshal/v4/JournalQueueAckMarshaller. File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2244).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.363 src/main/activemq/wireformat/openwire/marshal/v5/JournalQueueAckMarshaller. File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2236).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.364 src/main/activemq/wireformat/openwire/marshal/v6/JournalQueueAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalQueueAckMarshaller** (p. 2228).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.365 src/main/activemq/wireformat/openwire/marshal/v1/JournalTopicAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2277).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.366 src/main/activemq/wireformat/openwire/marshal/v2/JournalTopicAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2261).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.367 src/main/activemq/wireformat/openwire/marshal/v3/JournalTopicAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2265).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.368 src/main/activemq/wireformat/openwire/marshal/v4/JournalTopicAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2273).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.369 src/main/activemq/wireformat/openwire/marshal/v5/JournalTopicAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2256).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.370 src/main/activemq/wireformat/openwire/marshal/v6/JournalTopicAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller**

  *Marshaling code for Open Wire Format for **JournalTopicAckMarshaller** (p. 2269).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.371 src/main/activemq/wireformat/openwire/marshal/v1/JournalTraceMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller**

  *Marshaling code for Open Wire Format for **JournalTraceMarshaller*** (p. *2300*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.372 src/main/activemq/wireformat/openwire/marshal/v2/JournalTraceMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller**

  *Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2283).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.373 src/main/activemq/wireformat/openwire/marshal/v3/JournalTraceMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller**

  *Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2288).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.374 src/main/activemq/wireformat/openwire/marshal/v4/JournalTraceMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller**

  *Marshaling code for Open Wire Format for **JournalTraceMarshaller** (p. 2296).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.375 src/main/activemq/wireformat/openwire/marshal/v5/JournalTraceMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller**

  *Marshaling code for Open Wire Format for **JournalTraceMarshaller*** (p. *2304*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.376 src/main/activemq/wireformat/openwire/marshal/v6/JournalTraceMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller**

  *Marshaling code for Open Wire Format for **JournalTraceMarshaller*** (p. *2292*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.377 src/main/activemq/wireformat/openwire/marshal/v1/JournalTransactionMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller**

  *Marshaling code for Open Wire Format for **JournalTransactionMarshaller*** (p. *2331*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.378 src/main/activemq/wireformat/openwire/marshal/v2/JournalTransactionMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller**

  *Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2315).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.379 src/main/activemq/wireformat/openwire/marshal/v3/JournalTransactionMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller**

  *Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2319).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.380 src/main/activemq/wireformat/openwire/marshal/v4/JournalTransactionMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller**

  *Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2327).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.381 src/main/activemq/wireformat/openwire/marshal/v5/JournalTransactionMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller**

  *Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2323).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.382 src/main/activemq/wireformat/openwire/marshal/v6/JournalTransactionMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller**

  *Marshaling code for Open Wire Format for **JournalTransactionMarshaller** (p. 2311).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.383 src/main/activemq/wireformat/openwire/marshal/v1/KeepAliveInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller**

  *Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2359).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.384 src/main/activemq/wireformat/openwire/marshal/v2/KeepAliveInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller**

  *Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2342).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.385 src/main/activemq/wireformat/openwire/marshal/v3/KeepAliveInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller**

  *Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2347).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.386 src/main/activemq/wireformat/openwire/marshal/v4/KeepAliveInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller**

  *Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2351).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.387 src/main/activemq/wireformat/openwire/marshal/v5/KeepAliveInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller**

  *Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2355).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.388 src/main/activemq/wireformat/openwire/marshal/v6/KeepAliveInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller**

  *Marshaling code for Open Wire Format for **KeepAliveInfoMarshaller** (p. 2338).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.389 src/main/activemq/wireformat/openwire/marshal/v1/LastPartialCommandMarshal File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/PartialCommandMarshaller
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2395).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.390 src/main/activemq/wireformat/openwire/marshal/v2/LastPartialCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/PartialCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **LastPartialCommandMarshaller*** (p. 2382).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.391 src/main/activemq/wireformat/openwire/marshal/v3/LastPartialCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/PartialCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2378).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.392 src/main/activemq/wireformat/openwire/marshal/v4/LastPartialCommandMarshal File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/PartialCommandMarshaller
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2391).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.393 src/main/activemq/wireformat/openwire/marshal/v5/LastPartialCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/PartialCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2386).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.394 src/main/activemq/wireformat/openwire/marshal/v6/LastPartialCommandMarshal File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/PartialCommandMarshaller
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **LastPartialCommandMarshaller** (p. 2374).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.395 src/main/activemq/wireformat/openwire/marshal/v1/LocalTransactionIdMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/TransactionIdMarshaller.
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller**

  Marshaling code for Open Wire Format for ***LocalTransactionIdMarshaller*** *(p. 2446).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.396 src/main/activemq/wireformat/openwire/marshal/v2/LocalTransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/TransactionIdMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2429).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.397 src/main/activemq/wireformat/openwire/marshal/v3/LocalTransactionIdMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/TransactionIdMarshaller.
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2433).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.398 src/main/activemq/wireformat/openwire/marshal/v4/LocalTransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/TransactionIdMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller*** (p. 2442).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.399 src/main/activemq/wireformat/openwire/marshal/v5/LocalTransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/TransactionIdMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller*** (p. *2437*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.400 src/main/activemq/wireformat/openwire/marshal/v6/LocalTransactionIdMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/TransactionIdMarshaller.
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **LocalTransactionIdMarshaller** (p. 2425).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.401 src/main/activemq/wireformat/openwire/marshal/v1/MarshallerFactory.h File Reference

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::MarshallerFactory**

  Used to create marshallers for a specific version of the wire protocol.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.402 src/main/activemq/wireformat/openwire/marshal/v2/MarshallerFactory.h File Reference

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::MarshallerFactory**

  Used to create marshallers for a specific version of the wire protocol.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.403 src/main/activemq/wireformat/openwire/marshal/v3/MarshallerFactory.h File Reference

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::MarshallerFactory**

  Used to create marshallers for a specific version of the wire protocol.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.404 src/main/activemq/wireformat/openwire/marshal/v4/MarshallerFactory.h File Reference

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::MarshallerFactory**

  Used to create marshallers for a specific version of the wire protocol.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.405 src/main/activemq/wireformat/openwire/marshal/v5/MarshallerFactory.h File Reference

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::MarshallerFactory**

  Used to create marshallers for a specific version of the wire protocol.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.406 src/main/activemq/wireformat/openwire/marshal/v6/MarshallerFactory.h File Reference

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::MarshallerFactory**

  Used to create marshallers for a specific version of the wire protocol.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.407 src/main/activemq/wireformat/openwire/marshal/v1/MessageAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller**

  *Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2665).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.408 src/main/activemq/wireformat/openwire/marshal/v2/MessageAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller**

  *Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2653).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.409 src/main/activemq/wireformat/openwire/marshal/v3/MessageAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller**

  *Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2657).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.410 src/main/activemq/wireformat/openwire/marshal/v4/MessageAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller**

  *Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2661).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.411 src/main/activemq/wireformat/openwire/marshal/v5/MessageAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller**

  *Marshaling code for Open Wire Format for **MessageAckMarshaller** (p. 2670).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.412 src/main/activemq/wireformat/openwire/marshal/v6/MessageAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller**

  *Marshaling code for Open Wire Format for **MessageAckMarshaller*** (p. 2648).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.413 src/main/activemq/wireformat/openwire/marshal/v1/MessageDispatchMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2707).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.414 src/main/activemq/wireformat/openwire/marshal/v2/MessageDispatchMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2690).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.415 src/main/activemq/wireformat/openwire/marshal/v3/MessageDispatchMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2695).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.416 src/main/activemq/wireformat/openwire/marshal/v4/MessageDispatchMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchMarshaller*** (p. 2703).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.417 src/main/activemq/wireformat/openwire/marshal/v5/MessageDispatchMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchMarshaller** (p. 2699).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.418 src/main/activemq/wireformat/openwire/marshal/v6/MessageDispatchMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchMarshaller*** (p. *2712*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.419 src/main/activemq/wireformat/openwire/marshal/v1/MessageDispatchNotificationMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller*** (p. *2737*).

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.420 src/main/activemq/wireformat/openwire/marshal/v2/MessageDispatchNotification File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2725).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.421 src/main/activemq/wireformat/openwire/marshal/v3/MessageDispatchNotificationMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller*** (p. 2729).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.422 src/main/activemq/wireformat/openwire/marshal/v4/MessageDispatchNotificationMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
```

```
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2733).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.423 src/main/activemq/wireformat/openwire/marshal/v5/MessageDispatchNotification File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2742).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.424 src/main/activemq/wireformat/openwire/marshal/v6/MessageDispatchNotificationMarshaller File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller**

  *Marshaling code for Open Wire Format for **MessageDispatchNotificationMarshaller** (p. 2720).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**

- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.425 src/main/activemq/wireformat/openwire/marshal/v1/MessageIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller**

  *Marshaling code for Open Wire Format for **MessageIdMarshaller*** (p. 2775).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.426 src/main/activemq/wireformat/openwire/marshal/v2/MessageIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
```

```
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller**

  *Marshaling code for Open Wire Format for **MessageIdMarshaller*** (p. 2755).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.427 src/main/activemq/wireformat/openwire/marshal/v3/MessageIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller**

*Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2767).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.428 src/main/activemq/wireformat/openwire/marshal/v4/MessageIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller**

  *Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2759).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**

- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.429 src/main/activemq/wireformat/openwire/marshal/v5/MessageIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller**

  *Marshaling code for Open Wire Format for **MessageIdMarshaller** (p. 2763).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.430 src/main/activemq/wireformat/openwire/marshal/v6/MessageIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
```

```
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller**

  *Marshaling code for Open Wire Format for **MessageIdMarshaller*** (p. *2771*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.431 src/main/activemq/wireformat/openwire/marshal/v1/MessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::MessageMarshaller**

*Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2798).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.432 src/main/activemq/wireformat/openwire/marshal/v2/MessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::MessageMarshaller**

  *Marshaling code for Open Wire Format for **MessageMarshaller** (p. 2789).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.433 src/main/activemq/wireformat/openwire/marshal/v3/MessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::MessageMarshaller**

  *Marshaling code for Open Wire Format for **MessageMarshaller*** (p. 2785).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.434 src/main/activemq/wireformat/openwire/marshal/v4/MessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
```

```
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::MessageMarshaller**

  *Marshaling code for Open Wire Format for **MessageMarshaller*** (p. 2793).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.435 src/main/activemq/wireformat/openwire/marshal/v5/MessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::MessageMarshaller**

  *Marshaling code for Open Wire Format for **MessageMarshaller*** (p. 2780).

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.436 src/main/activemq/wireformat/openwire/marshal/v6/MessageMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::MessageMarshaller**

  *Marshaling code for Open Wire Format for **MessageMarshaller*** (p. 2802).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.437 src/main/activemq/wireformat/openwire/marshal/v1/MessagePullMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller**

  *Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2845).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.438 src/main/activemq/wireformat/openwire/marshal/v2/MessagePullMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller**

  *Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2828).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.439 src/main/activemq/wireformat/openwire/marshal/v3/MessagePullMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller**

  *Marshaling code for Open Wire Format for **MessagePullMarshaller** (p. 2837).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.440 src/main/activemq/wireformat/openwire/marshal/v4/MessagePullMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller**

  *Marshaling code for Open Wire Format for **MessagePullMarshaller*** (p. 2841).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.441 src/main/activemq/wireformat/openwire/marshal/v5/MessagePullMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller**

  *Marshaling code for Open Wire Format for **MessagePullMarshaller*** (p. 2833).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.442 src/main/activemq/wireformat/openwire/marshal/v6/MessagePullMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller**

  *Marshaling code for Open Wire Format for **MessagePullMarshaller*** (p. 2850).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.443 src/main/activemq/wireformat/openwire/marshal/v1/NetworkBridgeFilterMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller**

  *Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller*** (p. 2901).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.444 src/main/activemq/wireformat/openwire/marshal/v2/NetworkBridgeFilterMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller**

  *Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller*** (p. 2881).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.445 src/main/activemq/wireformat/openwire/marshal/v3/NetworkBridgeFilterMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller**

  *Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2893).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.446 src/main/activemq/wireformat/openwire/marshal/v4/NetworkBridgeFilterMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller**

  *Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2897).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.447 src/main/activemq/wireformat/openwire/marshal/v5/NetworkBridgeFilterMarshalle File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller**

  *Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2889).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.448 src/main/activemq/wireformat/openwire/marshal/v6/NetworkBridgeFilterMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller**

  *Marshaling code for Open Wire Format for **NetworkBridgeFilterMarshaller** (p. 2885).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.449 src/main/activemq/wireformat/openwire/marshal/v1/PartialCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3028).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.450 src/main/activemq/wireformat/openwire/marshal/v2/PartialCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3010).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.451 src/main/activemq/wireformat/openwire/marshal/v3/PartialCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3019).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.452 src/main/activemq/wireformat/openwire/marshal/v4/PartialCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3023).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.453 src/main/activemq/wireformat/openwire/marshal/v5/PartialCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3014).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.454 src/main/activemq/wireformat/openwire/marshal/v6/PartialCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller**

  *Marshaling code for Open Wire Format for **PartialCommandMarshaller** (p. 3005).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.455 src/main/activemq/wireformat/openwire/marshal/v1/ProducerAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller**

  *Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3150).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.456 src/main/activemq/wireformat/openwire/marshal/v2/ProducerAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller**

  *Marshaling code for Open Wire Format for **ProducerAckMarshaller*** (p. *3128*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.457 src/main/activemq/wireformat/openwire/marshal/v3/ProducerAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller**

  *Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3137).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.458 src/main/activemq/wireformat/openwire/marshal/v4/ProducerAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller**

  *Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3133).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.459 src/main/activemq/wireformat/openwire/marshal/v5/ProducerAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller**

  *Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3141).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.460 src/main/activemq/wireformat/openwire/marshal/v6/ProducerAckMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller**

  *Marshaling code for Open Wire Format for **ProducerAckMarshaller** (p. 3145).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.461 src/main/activemq/wireformat/openwire/marshal/v1/ProducerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller**

  *Marshaling code for Open Wire Format for **ProducerIdMarshaller*** (p. *3181*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.462 src/main/activemq/wireformat/openwire/marshal/v2/ProducerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller**

  Marshaling code for Open Wire Format for ***ProducerIdMarshaller*** *(p. 3161).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.463 src/main/activemq/wireformat/openwire/marshal/v3/ProducerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller**

  Marshaling code for Open Wire Format for ***ProducerIdMarshaller*** *(p. 3169).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.464 src/main/activemq/wireformat/openwire/marshal/v4/ProducerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller**

  *Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3165).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.465 src/main/activemq/wireformat/openwire/marshal/v5/ProducerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller**

  *Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3173).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.466 src/main/activemq/wireformat/openwire/marshal/v6/ProducerIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller**

  *Marshaling code for Open Wire Format for **ProducerIdMarshaller** (p. 3177).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.467 src/main/activemq/wireformat/openwire/marshal/v1/ProducerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3199).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.468 src/main/activemq/wireformat/openwire/marshal/v2/ProducerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3194).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.469 src/main/activemq/wireformat/openwire/marshal/v3/ProducerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3207).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.470 src/main/activemq/wireformat/openwire/marshal/v4/ProducerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3190).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.471 src/main/activemq/wireformat/openwire/marshal/v5/ProducerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3203).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.472 src/main/activemq/wireformat/openwire/marshal/v6/ProducerInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller**

  *Marshaling code for Open Wire Format for **ProducerInfoMarshaller** (p. 3211).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.473 src/main/activemq/wireformat/openwire/marshal/v1/RemoveInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3300).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.474 src/main/activemq/wireformat/openwire/marshal/v2/RemoveInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3288).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.475 src/main/activemq/wireformat/openwire/marshal/v3/RemoveInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3296).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.476 src/main/activemq/wireformat/openwire/marshal/v4/RemoveInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3309).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.477 src/main/activemq/wireformat/openwire/marshal/v5/RemoveInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3305).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.478 src/main/activemq/wireformat/openwire/marshal/v6/RemoveInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveInfoMarshaller** (p. 3292).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.479 src/main/activemq/wireformat/openwire/marshal/v1/RemoveSubscriptionInfoMars File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3318).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.480 src/main/activemq/wireformat/openwire/marshal/v2/RemoveSubscriptionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller** (p. 3326).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.481 src/main/activemq/wireformat/openwire/marshal/v3/RemoveSubscriptionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller*** (p. 3322).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.482 src/main/activemq/wireformat/openwire/marshal/v4/RemoveSubscriptionInfoMars File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller**

  Marshaling code for Open Wire Format for ***RemoveSubscriptionInfoMarshaller*** *(p. 3339).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.483 src/main/activemq/wireformat/openwire/marshal/v5/RemoveSubscriptionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller**

  Marshaling code for Open Wire Format for ***RemoveSubscriptionInfoMarshaller*** *(p. 3335).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.484 src/main/activemq/wireformat/openwire/marshal/v6/RemoveSubscriptionInfoMars File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **RemoveSubscriptionInfoMarshaller*** (p. *3331*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.485 src/main/activemq/wireformat/openwire/marshal/v1/ReplayCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller**

  *Marshaling code for Open Wire Format for **ReplayCommandMarshaller*** (p. *3351*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.486 src/main/activemq/wireformat/openwire/marshal/v2/ReplayCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller**

  *Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3355).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.487 src/main/activemq/wireformat/openwire/marshal/v3/ReplayCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller**

  *Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3360).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.488 src/main/activemq/wireformat/openwire/marshal/v4/ReplayCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller**

  *Marshaling code for Open Wire Format for **ReplayCommandMarshaller*** (p. *3347*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.489 src/main/activemq/wireformat/openwire/marshal/v5/ReplayCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller**

  *Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3368).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.490 src/main/activemq/wireformat/openwire/marshal/v6/ReplayCommandMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller**

  *Marshaling code for Open Wire Format for **ReplayCommandMarshaller** (p. 3364).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.491 src/main/activemq/wireformat/openwire/marshal/v1/ResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ResponseMarshaller**

  *Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3408).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.492 src/main/activemq/wireformat/openwire/marshal/v2/ResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ResponseMarshaller**

  *Marshaling code for Open Wire Format for **ResponseMarshaller*** (p. *3393*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.493 src/main/activemq/wireformat/openwire/marshal/v3/ResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
```

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ResponseMarshaller**

  *Marshaling code for Open Wire Format for **ResponseMarshaller*** (p. *3403*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.494 src/main/activemq/wireformat/openwire/marshal/v4/ResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ResponseMarshaller**

  *Marshaling code for Open Wire Format for **ResponseMarshaller*** (p. 3388).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.495 src/main/activemq/wireformat/openwire/marshal/v5/ResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ResponseMarshaller**

  *Marshaling code for Open Wire Format for **ResponseMarshaller*** (p. 3398).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.496 src/main/activemq/wireformat/openwire/marshal/v6/ResponseMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ResponseMarshaller**

  *Marshaling code for Open Wire Format for **ResponseMarshaller** (p. 3413).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.497 src/main/activemq/wireformat/openwire/marshal/v1/SessionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
```

```
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller**

  *Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3501).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.498 src/main/activemq/wireformat/openwire/marshal/v2/SessionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller**

*Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3481).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.499 src/main/activemq/wireformat/openwire/marshal/v3/SessionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller**

  *Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3497).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.500 src/main/activemq/wireformat/openwire/marshal/v4/SessionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller**
  *Marshaling code for Open Wire Format for **SessionIdMarshaller*** (p. *3485*).

Namespaces

- namespace **activemq**
  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.
- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.501 src/main/activemq/wireformat/openwire/marshal/v5/SessionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
```

```
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller**

  *Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3493).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.502 src/main/activemq/wireformat/openwire/marshal/v6/SessionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller**

  *Marshaling code for Open Wire Format for **SessionIdMarshaller** (p. 3489).*

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.503 src/main/activemq/wireformat/openwire/marshal/v1/SessionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3517).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.504 src/main/activemq/wireformat/openwire/marshal/v2/SessionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SessionInfoMarshaller*** (p. *3525*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.505 src/main/activemq/wireformat/openwire/marshal/v3/SessionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3521).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.506 src/main/activemq/wireformat/openwire/marshal/v4/SessionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3530).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.507 src/main/activemq/wireformat/openwire/marshal/v5/SessionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SessionInfoMarshaller** (p. 3513).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.508 src/main/activemq/wireformat/openwire/marshal/v6/SessionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SessionInfoMarshaller*** (p. *3508*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.509 src/main/activemq/wireformat/openwire/marshal/v1/ShutdownInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller**

  *Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3584).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.510 src/main/activemq/wireformat/openwire/marshal/v2/ShutdownInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller**

  *Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3580).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.511 src/main/activemq/wireformat/openwire/marshal/v3/ShutdownInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller**

  *Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3593).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.512 src/main/activemq/wireformat/openwire/marshal/v4/ShutdownInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller**

  *Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3597).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.513 src/main/activemq/wireformat/openwire/marshal/v5/ShutdownInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller**

  *Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3589).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.514 src/main/activemq/wireformat/openwire/marshal/v6/ShutdownInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller**

  *Marshaling code for Open Wire Format for **ShutdownInfoMarshaller** (p. 3576).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.515 src/main/activemq/wireformat/openwire/marshal/v1/SubscriptionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3791).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.516 src/main/activemq/wireformat/openwire/marshal/v2/SubscriptionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3807).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.517 src/main/activemq/wireformat/openwire/marshal/v3/SubscriptionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3786).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.518 src/main/activemq/wireformat/openwire/marshal/v4/SubscriptionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3799).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.519 src/main/activemq/wireformat/openwire/marshal/v5/SubscriptionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller** (p. 3795).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.520 src/main/activemq/wireformat/openwire/marshal/v6/SubscriptionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller**

  *Marshaling code for Open Wire Format for **SubscriptionInfoMarshaller*** (p. *3803*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.521 src/main/activemq/wireformat/openwire/marshal/v1/TransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **TransactionIdMarshaller*** (p. *3939*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.522 src/main/activemq/wireformat/openwire/marshal/v2/TransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **TransactionIdMarshaller*** (p. *3943*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.523 src/main/activemq/wireformat/openwire/marshal/v3/TransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **TransactionIdMarshaller** (p. 3947).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.524 src/main/activemq/wireformat/openwire/marshal/v4/TransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **TransactionIdMarshaller*** (p. *3951*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.525 src/main/activemq/wireformat/openwire/marshal/v5/TransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **TransactionIdMarshaller*** (p. *3935*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.526 src/main/activemq/wireformat/openwire/marshal/v6/TransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **TransactionIdMarshaller*** (p. *3955*).

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.527 src/main/activemq/wireformat/openwire/marshal/v1/TransactionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller**

  *Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3968).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.528 src/main/activemq/wireformat/openwire/marshal/v2/TransactionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller**

  *Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3985).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.529 src/main/activemq/wireformat/openwire/marshal/v3/TransactionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller**

  *Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3972).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.530 src/main/activemq/wireformat/openwire/marshal/v4/TransactionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller**

  *Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3981).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.531 src/main/activemq/wireformat/openwire/marshal/v5/TransactionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller**

  *Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3964).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.532 src/main/activemq/wireformat/openwire/marshal/v6/TransactionInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller**

  *Marshaling code for Open Wire Format for **TransactionInfoMarshaller** (p. 3977).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.533 src/main/activemq/wireformat/openwire/marshal/v1/WireFormatInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller**

  Marshaling code for Open Wire Format for ***WireFormatInfoMarshaller*** *(p. 4121).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.534 src/main/activemq/wireformat/openwire/marshal/v2/WireFormatInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller**

  Marshaling code for Open Wire Format for ***WireFormatInfoMarshaller*** *(p. 4113).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.535 src/main/activemq/wireformat/openwire/marshal/v3/WireFormatInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller**

  *Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4125).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.536 src/main/activemq/wireformat/openwire/marshal/v4/WireFormatInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller**

  Marshaling code for Open Wire Format for ***WireFormatInfoMarshaller*** *(p. 4117).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.537 src/main/activemq/wireformat/openwire/marshal/v5/WireFormatInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller**

  *Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4104).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.538 src/main/activemq/wireformat/openwire/marshal/v6/WireFormatInfoMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller**

  *Marshaling code for Open Wire Format for **WireFormatInfoMarshaller** (p. 4109).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.539 src/main/activemq/wireformat/openwire/marshal/v1/XATransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v1/TransactionIdMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4160).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v1**

7.540 src/main/activemq/wireformat/openwire/marshal/v2/XATransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v2/TransactionIdMarshaller.
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4151).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v2**

7.541 src/main/activemq/wireformat/openwire/marshal/v3/XATransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v3/TransactionIdMarshaller.
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
```

```
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4164).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v3**

7.542 src/main/activemq/wireformat/openwire/marshal/v4/XATransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v4/TransactionIdMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4155).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v4**

7.543 src/main/activemq/wireformat/openwire/marshal/v5/XATransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v5/TransactionIdMarshaller.
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4168).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v5**

7.544 src/main/activemq/wireformat/openwire/marshal/v6/XATransactionIdMarshaller.h File Reference

```
#include <activemq/wireformat/openwire/marshal/v6/TransactionIdMarshaller.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <activemq/util/Config.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
```

Data Structures

- class **activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller**

  *Marshaling code for Open Wire Format for **XATransactionIdMarshaller** (p. 4147).*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**
- namespace **activemq::wireformat::openwire::marshal::v6**

7.545 src/main/activemq/wireformat/openwire/OpenWireFormat.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/WireFormatInfo.h>
#include <activemq/commands/DataStructure.h>
#include <activemq/wireformat/WireFormat.h>
#include <activemq/wireformat/openwire/utils/BooleanStream.h>
#include <decaf/lang/Pointer.h>
```

```
#include <decaf/util/Properties.h>
#include <decaf/util/concurrent/atomic/AtomicBoolean.h>
#include <decaf/lang/exceptions/IllegalStateException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <memory>
```

Data Structures

- class **activemq::wireformat::openwire::OpenWireFormat**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::marshal**

7.546 src/main/activemq/wireformat/openwire/OpenWireFormatFactory.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/wireformat/WireFormatFactory.h>
#include <activemq/commands/WireFormatInfo.h>
#include <decaf/lang/exceptions/IllegalStateException.h>
#include <decaf/lang/Pointer.h>
#include <decaf/util/Properties.h>
```

Data Structures

- class **activemq::wireformat::openwire::OpenWireFormatFactory**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**

7.547 src/main/activemq/wireformat/openwire/OpenWireFormatNegotiator.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/TransportFilter.h>
#include <activemq/wireformat/openwire/OpenWireFormat.h>
#include <activemq/wireformat/WireFormatNegotiator.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/concurrent/CountDownLatch.h>
#include <decaf/util/concurrent/Concurrent.h>
#include <decaf/util/concurrent/atomic/AtomicBoolean.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::wireformat::openwire::OpenWireFormatNegotiator**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**

7.548 src/main/activemq/wireformat/openwire/OpenWireResponseBuilder.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/mock/ResponseBuilder.h>
#include <decaf/util/StlQueue.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::wireformat::openwire::OpenWireResponseBuilder**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**

7.549 src/main/activemq/wireformat/openwire/utils/BooleanStream.h File Reference

```
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::wireformat::openwire::utils::BooleanStream**

  Manages the writing and reading of boolean data streams to and from a data source such as a DataInputStream or DataOutputStream.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::utils**

7.550 src/main/activemq/wireformat/openwire/utils/HexTable.h File Reference

```
#include <vector>
```

```
#include <string>
#include <activemq/util/Config.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

Data Structures

- class **activemq::wireformat::openwire::utils::HexTable**

  *The **HexTable** (p. 2048) class maps hexidecimal strings to the value of an index into the table, i.e.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::utils**

7.551 src/main/activemq/wireformat/openwire/utils/MessagePropertyInterceptor.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/commands/Message.h>
#include <activemq/util/PrimitiveMap.h>
#include <activemq/exceptions/ActiveMQException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
```

Data Structures

- class **activemq::wireformat::openwire::utils::MessagePropertyInterceptor**

  Used the base ActiveMQMessage class to intercept calls to get and set properties in order to capture the calls that use the reserved JMS properties and get and set them in the OpenWire Message properties.

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::openwire**
- namespace **activemq::wireformat::openwire::utils**

7.552 src/main/activemq/wireformat/stomp/StompCommandConstants.h File Reference

```
#include <cms/Destination.h>
#include <activemq/util/Config.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <string>
#include <map>
```

Data Structures

- class **activemq::wireformat::stomp::StompCommandConstants**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::stomp**

7.553 src/main/activemq/wireformat/stomp/StompFrame.h File Reference

```
#include <string>
#include <string.h>
#include <map>
#include <decaf/util/Properties.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/DataInputStream.h>
#include <activemq/util/Config.h>
```

Data Structures

- class **activemq::wireformat::stomp::StompFrame**

  A Stomp-level message frame that encloses all messages to and from the broker.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::stomp**

7.554 src/main/activemq/wireformat/stomp/StompHelper.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/util/LongSequenceGenerator.h>
#include <activemq/wireformat/stomp/StompFrame.h>
#include <activemq/commands/Message.h>
#include <activemq/commands/MessageId.h>
#include <activemq/commands/ProducerId.h>
#include <activemq/commands/ConsumerId.h>
#include <activemq/commands/TransactionId.h>
#include <activemq/commands/ActiveMQDestination.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::wireformat::stomp::StompHelper**

  Utility Methods used when marshaling to and from StompFrame's.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::stomp**

7.555 src/main/activemq/wireformat/stomp/StompWireFormat.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/wireformat/WireFormat.h>
#include <activemq/wireformat/stomp/StompFrame.h>
#include <activemq/wireformat/stomp/StompHelper.h>
#include <decaf/util/concurrent/atomic/AtomicBoolean.h>
#include <decaf/io/IOException.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::wireformat::stomp::StompWireFormat**

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::stomp**

7.556 src/main/activemq/wireformat/stomp/StompWireFormatFactory.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/wireformat/WireFormatFactory.h>
#include <activemq/wireformat/stomp/StompWireFormat.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::wireformat::stomp::StompWireFormatFactory**

Factory used to create the Stomp Wire Format instance.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**
- namespace **activemq::wireformat::stomp**

7.557 src/main/activemq/wireformat/WireFormat.h File Reference

```
#include <activemq/wireformat/WireFormatNegotiator.h>
#include <decaf/io/DataInputStream.h>
#include <decaf/io/DataOutputStream.h>
#include <decaf/io/IOException.h>
#include <decaf/lang/Pointer.h>
#include <activemq/util/Config.h>
#include <activemq/commands/Command.h>
#include <activemq/transport/Transport.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
```

Data Structures

- class **activemq::wireformat::WireFormat**

  Provides a mechanism to marshal commands into and out of packets or into and out of streams, Channels and Datagrams.

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**

7.558 src/main/activemq/wireformat/WireFormatFactory.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/wireformat/WireFormat.h>
#include <decaf/util/Properties.h>
#include <decaf/lang/Pointer.h>
#include <decaf/lang/exceptions/IllegalStateException.h>
```

Data Structures

- class **activemq::wireformat::WireFormatFactory**

  *The **WireFormatFactory** (p. 4092) is the interface that all **WireFormatFactory** (p. 4092) classes must extend.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**

7.559 src/main/activemq/wireformat/WireFormatNegotiator.h File Reference

```
#include <activemq/util/Config.h>
#include <activemq/transport/TransportFilter.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **activemq::wireformat::WireFormatNegotiator**

  *Defines a **WireFormatNegotiator** (p. 4129) which allows a **WireFormat** (p. 4088) to.*

Namespaces

- namespace **activemq**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**

7.560 src/main/activemq/wireformat/WireFormatRegistry.h File Reference

```
#include <activemq/util/Config.h>
#include <string>
#include <vector>
#include <activemq/wireformat/WireFormatFactory.h>
#include <decaf/util/StlMap.h>
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
```

Data Structures

- class **activemq::wireformat::WireFormatRegistry**

  *Registry of all **WireFormat** (p. 4088) Factories that are available to the client at runtime.*

Namespaces

- namespace **activemq**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **activemq::wireformat**

7.561 src/main/cms/BytesMessage.h File Reference

```
#include <cms/Config.h>
#include <cms/Message.h>
#include <cms/CMSException.h>
#include <cms/MessageNotReadableException.h>
#include <cms/MessageNotWriteableException.h>
```

```
#include <cms/MessageEOFException.h>
#include <cms/MessageFormatException.h>
```

Data Structures

- class **cms::BytesMessage**

  *A **BytesMessage** (p. 1079) object is used to send a message containing a stream of unsigned bytes.*

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.562 src/main/cms/Closeable.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::Closeable**

  Interface for a class that implements the close method.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.563 src/main/decaf/io/Closeable.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::io::Closeable**

  Interface for a class that implements the close method.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.564 src/main/cms/CMSException.h File Reference

```
#include <string>
#include <vector>
#include <iostream>
#include <exception>
#include <cms/Config.h>
```

Data Structures

- class **cms::CMSException**

  CMS API Exception that is the base for all exceptions thrown from CMS classes.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.565 src/main/cms/CMSProperties.h File Reference

```
#include <cms/Config.h>
#include <map>
#include <string>
#include <vector>
```

Data Structures

- class **cms::CMSProperties**

  Interface for a Java-like properties object.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.566 src/main/cms/CMSSecurityException.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::CMSSecurityException**

  This exception must be thrown when a provider rejects a user name/password submitted by a client.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.567 src/main/cms/Connection.h File Reference

```
#include <cms/Config.h>
#include <cms/Startable.h>
#include <cms/Stoppable.h>
#include <cms/Closeable.h>
#include <cms/Session.h>
#include <cms/ConnectionMetaData.h>
```

Data Structures

- class **cms::Connection**

  The client's connection to its provider.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.568 src/main/cms/ConnectionFactory.h File Reference

```
#include <cms/Config.h>
#include <cms/Connection.h>
#include <cms/CMSException.h>
#include <string>
```

Data Structures

- class **cms::ConnectionFactory**

  Defines the interface for a factory that creates connection objects, the ***Connection*** *(p. 1296) objects returned implement the CMS* ***Connection*** *(p. 1296) interface and hide the CMS Provider specific implementation details behind that interface.*

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.569 src/main/cms/ConnectionMetaData.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::ConnectionMetaData**

  *A **ConnectionMetaData** (p. 1425) object provides information describing the **Connection** (p. 1296) object.*

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.570 src/main/cms/DeliveryMode.h File Reference

```
#include <cms/Config.h>
```

Data Structures

- class **cms::DeliveryMode**

  This is an Abstract class whose purpose is to provide a container for the delivery mode enumeration for CMS messages.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.571 src/main/cms/Destination.h File Reference

```
#include <cms/CMSProperties.h>
#include <cms/Config.h>
#include <string>
```

Data Structures

- class **cms::Destination**

  *A **Destination** (p. 1776) object encapsulates a provider-specific address.*

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.572 src/main/cms/ExceptionListener.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::ExceptionListener**

  If a CMS provider detects a serious problem, it notifies the client application through an **`ExceptionListener`** *(p. 1893) that is registered with the* **`Connection`** *(p. 1296).*

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.573 src/main/cms/IllegalStateException.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::IllegalStateException**

  This exception is thrown when a method is invoked at an illegal or inappropriate time or if the provider is not in an appropriate state for the requested operation.

Namespaces

- namespace **cms**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.574 src/main/decaf/lang/exceptions/IllegalStateException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::lang::exceptions::IllegalStateException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::lang::exceptions**

7.575 src/main/cms/InvalidClientIdException.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::InvalidClientIdException**

  This exception must be thrown when a client attempts to set a connection's client ID to a value that is rejected by a provider.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.576 src/main/cms/InvalidDestinationException.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::InvalidDestinationException**

  This exception must be thrown when a destination either is not understood by a provider or is no longer valid.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.577 src/main/cms/InvalidSelectorException.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::InvalidSelectorException**

  This exception must be thrown when a CMS client attempts to give a provider a message selector with invalid syntax.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.578 src/main/cms/MapMessage.h File Reference

```
#include <cms/Config.h>
```

```
#include <cms/Message.h>
#include <cms/CMSException.h>
#include <cms/MessageFormatException.h>
#include <cms/MessageNotWriteableException.h>
```

Data Structures

- class **cms::MapMessage**

  *A **MapMessage** (p. 2551) object is used to send a set of name-value pairs.*

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.579 src/main/cms/MessageConsumer.h File Reference

```
#include <cms/Config.h>
#include <cms/MessageListener.h>
#include <cms/Message.h>
#include <cms/Closeable.h>
```

Data Structures

- class **cms::MessageConsumer**

  *A client uses a **MessageConsumer** (p. 2674) to received messages from a destination.*

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.580 src/main/cms/MessageEnumeration.h File Reference

```
#include <cms/Config.h>
#include <cms/Message.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::MessageEnumeration**

  Defines an object that enumerates a collection of Messages.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.581 src/main/cms/MessageEOFException.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::MessageEOFException**

  *This exception must be thrown when an unexpected end of stream has been reached when a **StreamMessage** (p. 3760) or **BytesMessage** (p. 1079) is being read.*

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.582 src/main/cms/MessageFormatException.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::MessageFormatException**

  This exception must be thrown when a CMS client attempts to use a data type not supported by a message or attempts to read data in a message as the wrong type.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.583 src/main/cms/MessageListener.h File Reference

```
#include <cms/Config.h>
```

Data Structures

- class **cms::MessageListener**

  A **`MessageListener`** (p. 2779) *object is used to receive asynchronously delivered messages.*

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.584 src/main/cms/MessageNotReadableException.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::MessageNotReadableException**

  This exception must be thrown when a CMS client attempts to read a write-only message.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.585 src/main/cms/MessageNotWriteableException.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::MessageNotWriteableException**

  This exception must be thrown when a CMS client attempts to write to a read-only message.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.586 src/main/cms/MessageProducer.h File Reference

```
#include <cms/Config.h>
#include <cms/Message.h>
#include <cms/Destination.h>
#include <cms/Closeable.h>
#include <cms/CMSException.h>
#include <cms/InvalidDestinationException.h>
#include <cms/MessageFormatException.h>
#include <cms/UnsupportedOperationException.h>
#include <cms/DeliveryMode.h>
```

Data Structures

- class **cms::MessageProducer**

  A client uses a **`MessageProducer`** *(p. 2809) object to send messages to a* ***Destination*** *(p. 1776).*

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.587 src/main/cms/ObjectMessage.h File Reference

```
#include <cms/Config.h>
#include <cms/Message.h>
```

Data Structures

- class **cms::ObjectMessage**

  Place holder for interaction with JMS systems that support Java, the C++ client is not responsible for deserializing the contained Object.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.588 src/main/cms/Queue.h File Reference

```
#include <cms/Config.h>
#include <cms/Destination.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::Queue**

  An interface encapsulating a provider-specific queue name.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.589 src/main/decaf/util/Queue.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/Iterator.h>
#include <decaf/util/AbstractCollection.h>
#include <decaf/lang/Exception.h>
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

Data Structures

- class **decaf::util::Queue**< **E** >

  A kind of collection provides advanced operations than other basic collections, such as insertion, extraction, and inspection.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.590 src/main/cms/QueueBrowser.h File Reference

```
#include <string>
#include <cms/Config.h>
```

```
#include <cms/Closeable.h>
#include <cms/Queue.h>
#include <cms/Message.h>
#include <cms/CMSException.h>
#include <cms/MessageEnumeration.h>
```

Data Structures

- class **cms::QueueBrowser**

  *This class implements in interface for browsing the messages in a **Queue*** (p. 3238) *without removing them.*

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.591 src/main/cms/Session.h File Reference

```
#include <cms/Config.h>
#include <cms/Closeable.h>
#include <cms/Message.h>
#include <cms/TextMessage.h>
#include <cms/BytesMessage.h>
#include <cms/MapMessage.h>
#include <cms/StreamMessage.h>
#include <cms/MessageProducer.h>
#include <cms/MessageConsumer.h>
#include <cms/Topic.h>
#include <cms/Queue.h>
#include <cms/QueueBrowser.h>
#include <cms/TemporaryTopic.h>
#include <cms/TemporaryQueue.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::Session**

  *A **Session** (p. 3460) object is a single-threaded context for producing and consuming messages.*

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.592 src/main/cms/Startable.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::Startable**

  Interface for a class that implements the start method.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.593 src/main/cms/Stoppable.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::Stoppable**

  Interface for a class that implements the stop method.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.594 src/main/cms/StreamMessage.h File Reference

```
#include <cms/Config.h>
#include <cms/Message.h>
#include <cms/CMSException.h>
#include <cms/MessageNotReadableException.h>
#include <cms/MessageNotWriteableException.h>
#include <cms/MessageFormatException.h>
#include <cms/MessageEOFException.h>
```

Data Structures

- class **cms::StreamMessage**

  *Interface for a **StreamMessage*** (p. *3760*).

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.595 src/main/cms/TemporaryQueue.h File Reference

```
#include <cms/Config.h>
#include <cms/Destination.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::TemporaryQueue**

  *Defines a Temporary **Queue*** (p. *3238*) *based **Destination*** (p. *1776*).

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.596 src/main/cms/TemporaryTopic.h File Reference

```
#include <cms/Config.h>
#include <cms/Destination.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::TemporaryTopic**

  *Defines a Temporary **Topic** (p. 3930) based **Destination** (p. 1776).*

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.597 src/main/cms/TextMessage.h File Reference

```
#include <cms/Config.h>
#include <cms/Message.h>
#include <cms/CMSException.h>
#include <cms/MessageNotWriteableException.h>
```

Data Structures

- class **cms::TextMessage**

  Interface for a text message.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.598 src/main/cms/Topic.h File Reference

```
#include <cms/Config.h>
#include <cms/Destination.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::Topic**

  An interface encapsulating a provider-specific topic name.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.599 src/main/cms/UnsupportedOperationException.h File Reference

```
#include <cms/Config.h>
#include <cms/CMSException.h>
```

Data Structures

- class **cms::UnsupportedOperationException**

  This exception must be thrown when a CMS client attempts use a CMS method that is not implemented or not supported by the CMS Provider in use.

Namespaces

- namespace **cms**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

7.600 src/main/decaf/lang/exceptions/UnsupportedOperationException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::lang::exceptions::UnsupportedOperationException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::lang::exceptions**

7.601 src/main/decaf/internal/AprPool.h File Reference

```
#include <decaf/util/Config.h>
#include <apr_pools.h>
```

Data Structures

- class **decaf::internal::AprPool**

  Wraps an APR pool object so that classes in decaf can create a static member for use in static methods where apr function calls that need a pool are made.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**

7.602 src/main/decaf/internal/DecafRuntime.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Runtime.h>
#include <apr_pools.h>
```

Data Structures

- class **decaf::internal::DecafRuntime**

  Handles APR initialization and termination.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**

7.603 src/main/decaf/internal/io/StandardErrorOutputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/OutputStream.h>
```

Data Structures

- class **decaf::internal::io::StandardErrorOutputStream**

  Wrapper Around the Standard error Output facility on the current platform.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::io**

7.604 src/main/decaf/internal/io/StandardInputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/InputStream.h>
```

Data Structures

- class **decaf::internal::io::StandardInputStream**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::io**

7.605 src/main/decaf/internal/io/StandardOutputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/OutputStream.h>
```

Data Structures

- class **decaf::internal::io::StandardOutputStream**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::io**

7.606 src/main/decaf/internal/net/DefaultServerSocketFactory.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/ServerSocketFactory.h>
```

Data Structures

- class **decaf::internal::net::DefaultServerSocketFactory**

  Default implementation of the Decaf ServerSocketFactory, creates ServerSocket objects with supplied options.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**

7.607 src/main/decaf/internal/net/DefaultSocketFactory.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/SocketFactory.h>
```

Data Structures

- class **decaf::internal::net::DefaultSocketFactory**

  SocketFactory implementation that is used to create Sockets.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**

7.608 src/main/decaf/internal/net/Network.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/internal/util/Resource.h>
#include <decaf/internal/util/GenericResource.h>
```

Data Structures

- class **decaf::internal::net::Network**

  Internal class used to manage Networking related resources and hide platform dependent calls from the higher level API.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**

7.609 src/main/decaf/internal/net/SocketFileDescriptor.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/FileDescriptor.h>
```

Data Structures

- class **decaf::internal::net::SocketFileDescriptor**

  File Descriptor type used internally by Decaf Socket objects.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**

7.610 src/main/decaf/internal/net/ssl/DefaultSSLContext.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/ssl/SSLContext.h>
```

Data Structures

- class **decaf::internal::net::ssl::DefaultSSLContext**

  Default SSLContext manager for the Decaf library.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::ssl**

7.611 src/main/decaf/internal/net/ssl/DefaultSSLServerSocketFactory.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/ssl/SSLServerSocketFactory.h>
```

Data Structures

- class **decaf::internal::net::ssl::DefaultSSLServerSocketFactory**

  Default implementation of the SSLServerSocketFactory, this factory throws an Exception from all its create methods to indicate that SSL is not supported, this factory is used when OpenSSL is not enabled in the builds.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::ssl**

7.612 src/main/decaf/internal/net/ssl/DefaultSSLSocketFactory.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/ssl/SSLSocketFactory.h>
#include <string>
#include <vector>
```

Data Structures

- class **decaf::internal::net::ssl::DefaultSSLSocketFactory**

  Default implementation of the SSLSocketFactory, this factory throws an Exception from all its create methods to indicate that SSL is not supported, this factory is used when OpenSSL is not enabled in the builds.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::ssl**

7.613 src/main/decaf/internal/net/ssl/openssl/OpenSSLContextSpi.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/ssl/SSLContextSpi.h>
```

Data Structures

- class **decaf::internal::net::ssl::openssl::OpenSSLContextSpi**

  Provides an SSLContext that wraps the OpenSSL API.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::ssl**
- namespace **decaf::internal::net::ssl::openssl**

7.614 src/main/decaf/internal/net/ssl/openssl/OpenSSLParameters.h File Reference

```
#include <decaf/util/Config.h>
#include <string>
#include <vector>
```

Data Structures

- class **decaf::internal::net::ssl::openssl::OpenSSLParameters**

  Container class for parameters that are Common to OpenSSL socket classes.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::ssl**
- namespace **decaf::internal::net::ssl::openssl**

7.615 src/main/decaf/internal/net/ssl/openssl/OpenSSLServerSocket.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/ssl/SSLServerSocket.h>
```

Data Structures

- class **decaf::internal::net::ssl::openssl::OpenSSLServerSocket**

  SSLServerSocket based on OpenSSL library code.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::ssl**
- namespace **decaf::internal::net::ssl::openssl**

7.616 src/main/decaf/internal/net/ssl/openssl/OpenSSLServerSocketFactory.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/ssl/SSLServerSocketFactory.h>
```

Data Structures

- class **decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory**

  SSLServerSocketFactory that creates Server Sockets that use OpenSSL.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::ssl**
- namespace **decaf::internal::net::ssl::openssl**

7.617 src/main/decaf/internal/net/ssl/openssl/OpenSSLSocket.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/ssl/SSLSocket.h>
#include <decaf/io/InputStream.h>
#include <decaf/io/OutputStream.h>
```

Data Structures

- class **decaf::internal::net::ssl::openssl::OpenSSLSocket**

  Wraps a a Normal Socket object and extends or overrides functions in that class to make use of the OpenSSL Socket API.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::ssl**
- namespace **decaf::internal::net::ssl::openssl**

7.618 src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/SocketException.h>
```

Data Structures

- class **decaf::internal::net::ssl::openssl::OpenSSLSocketException**

  Subclass of the standard SocketException that knows how to produce an error message from the OpenSSL error stack.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::ssl**
- namespace **decaf::internal::net::ssl::openssl**

7.619 src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketFactory.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/ssl/SSLSocketFactory.h>
```

Data Structures

- class **decaf::internal::net::ssl::openssl::OpenSSLSocketFactory**

  Client Socket Factory that creates SSL based client sockets using the OpenSSL library.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::ssl**
- namespace **decaf::internal::net::ssl::openssl**

7.620 src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketInputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/InputStream.h>
```

Data Structures

- class **decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream**

  An output stream for reading data from an OpenSSL Socket instance.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::ssl**
- namespace **decaf::internal::net::ssl::openssl**

7.621 src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketOutputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/OutputStream.h>
```

Data Structures

- class **decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream**

  *OutputStream implementation used to write data to an **OpenSSLSocket*** (p. 2940) *instance.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::ssl**
- namespace **decaf::internal::net::ssl::openssl**

7.622 src/main/decaf/internal/net/tcp/TcpSocket.h File Reference

```
#include <decaf/net/SocketException.h>
#include <decaf/net/SocketImpl.h>
#include <decaf/io/InputStream.h>
#include <decaf/io/OutputStream.h>
#include <decaf/util/Config.h>
#include <decaf/internal/AprPool.h>
#include <apr_network_io.h>
#include <decaf/io/IOException.h>
#include <decaf/net/SocketTimeoutException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

Data Structures

- class **decaf::internal::net::tcp::TcpSocket**

  Platform-independent implementation of the socket interface.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::tcp**

7.623 src/main/decaf/internal/net/tcp/TcpSocketInputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/InputStream.h>
#include <decaf/io/IOException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

Data Structures

- class **decaf::internal::net::tcp::TcpSocketInputStream**

  Input stream for performing reads on a socket.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::tcp**

7.624 src/main/decaf/internal/net/tcp/TcpSocketOutputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/OutputStream.h>
```

Data Structures

- class **decaf::internal::net::tcp::TcpSocketOutputStream**

  Output stream for performing write operations on a socket.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**
- namespace **decaf::internal::net::tcp**

7.625 src/main/decaf/internal/net/URIEncoderDecoder.h File Reference

```
#include <decaf/util/Config.h>
```

```
#include <decaf/net/URISyntaxException.h>
#include <string>
```

Data Structures

- class **decaf::internal::net::URIEncoderDecoder**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**

7.626 src/main/decaf/internal/net/URIHelper.h File Reference

```
#include <string>
#include <decaf/util/Config.h>
#include <decaf/net/URISyntaxException.h>
#include <decaf/internal/net/URIType.h>
```

Data Structures

- class **decaf::internal::net::URIHelper**

  Helper class used by the URI classes in encoding and decoding of URI's.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**

7.627 src/main/decaf/internal/net/URIType.h File Reference

```
#include <string>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::internal::net::URIType**

  Basic type object that holds data that composes a given URI.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::net**

7.628 src/main/decaf/internal/nio/BufferFactory.h File Reference

```
#include <decaf/nio/ByteBuffer.h>
#include <decaf/nio/CharBuffer.h>
#include <decaf/nio/DoubleBuffer.h>
#include <decaf/nio/FloatBuffer.h>
#include <decaf/nio/LongBuffer.h>
#include <decaf/nio/IntBuffer.h>
#include <decaf/nio/ShortBuffer.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

Data Structures

- class **decaf::internal::nio::BufferFactory**

  *Factory class used by static methods in the **decaf::nio*** (p. *147) package to create the various default version of the NIO interfaces.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::nio**

7.629 src/main/decaf/internal/nio/ByteArrayBuffer.h File Reference

```
#include <decaf/nio/ByteBuffer.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
#include <decaf/internal/util/ByteArrayAdapter.h>
#include <decaf/nio/CharBuffer.h>
#include <decaf/nio/DoubleBuffer.h>
#include <decaf/nio/FloatBuffer.h>
#include <decaf/nio/ShortBuffer.h>
#include <decaf/nio/IntBuffer.h>
#include <decaf/nio/LongBuffer.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **decaf::internal::nio::ByteArrayBuffer**

  This class defines six categories of operations upon byte buffers:

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::nio**

7.630 src/main/decaf/internal/nio/CharArrayBuffer.h File Reference

```
#include <decaf/nio/CharBuffer.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

```
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
#include <decaf/internal/util/ByteArrayAdapter.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **decaf::internal::nio::CharArrayBuffer**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::nio**

7.631 src/main/decaf/internal/nio/DoubleArrayBuffer.h File Reference

```
#include <decaf/nio/DoubleBuffer.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
#include <decaf/internal/util/ByteArrayAdapter.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **decaf::internal::nio::DoubleArrayBuffer**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::nio**

7.632 src/main/decaf/internal/nio/FloatArrayBuffer.h File Reference

```
#include <decaf/nio/FloatBuffer.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
#include <decaf/internal/util/ByteArrayAdapter.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **decaf::internal::nio::FloatArrayBuffer**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::nio**

7.633 src/main/decaf/internal/nio/IntArrayBuffer.h File Reference

```
#include <decaf/nio/IntBuffer.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
#include <decaf/internal/util/ByteArrayAdapter.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **decaf::internal::nio::IntArrayBuffer**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::nio**

7.634 src/main/decaf/internal/nio/LongArrayBuffer.h File Reference

```
#include <decaf/nio/LongBuffer.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
#include <decaf/internal/util/ByteArrayAdapter.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **decaf::internal::nio::LongArrayBuffer**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::nio**

7.635 src/main/decaf/internal/nio/ShortArrayBuffer.h File Reference

```
#include <decaf/nio/ShortBuffer.h>
```

```
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
#include <decaf/internal/util/ByteArrayAdapter.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **decaf::internal::nio::ShortArrayBuffer**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::nio**

7.636 src/main/decaf/internal/security/unix/SecureRandomImpl.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/security/SecureRandomSpi.h>
```

Data Structures

- class **decaf::internal::security::SecureRandomImpl**

  Secure Random Number Generator for Unix based platforms that attempts to obtain secure bytes with high entropy from known sources.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::security**

7.637 src/main/decaf/internal/security/windows/SecureRandomImpl.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/security/SecureRandomSpi.h>
```

Data Structures

- class **decaf::internal::security::SecureRandomImpl**

  Secure Random Number Generator for Unix based platforms that attempts to obtain secure bytes with high entropy from known sources.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::security**

7.638 src/main/decaf/internal/util/ByteArrayAdapter.h File Reference

```
#include <decaf/lang/exceptions/InvalidStateException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
```

Data Structures

- class **decaf::internal::util::ByteArrayAdapter**

  This class adapts primitive type arrays to a base byte array so that the classes can inter-operate on the same base byte array without copying data.

- union **decaf::internal::util::ByteArrayAdapter::Array**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::util**

7.639 src/main/decaf/internal/util/concurrent/ConditionImpl.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::internal::util::concurrent::ConditionImpl**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**
- namespace **decaf::internal**
- namespace **decaf::internal::util**
- namespace **decaf::internal::util::concurrent**

7.640 src/main/decaf/internal/util/concurrent/MutexImpl.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::internal::util::concurrent::MutexImpl**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**
- namespace **decaf::internal**
- namespace **decaf::internal::util**
- namespace **decaf::internal::util::concurrent**

7.641 src/main/decaf/internal/util/concurrent/SynchronizableImpl.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/util/concurrent/Mutex.h>
```

Data Structures

- class **decaf::internal::util::concurrent::SynchronizableImpl**

  A convenience class used by some Decaf classes to implement the Synchronizable interface when there is no issues related to multiple inheritance.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::util**
- namespace **decaf::internal::util::concurrent**

7.642 src/main/decaf/internal/util/concurrent/Transferer.h File Reference

```
#include <decaf/lang/exceptions/InterruptedException.h>
#include <decaf/util/concurrent/TimeoutException.h>
```

Data Structures

- class **decaf::internal::util::concurrent::Transferer**< **E** >

  Shared internal API for dual stacks and queues.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::util**
- namespace **decaf::internal::util::concurrent**

7.643 src/main/decaf/internal/util/concurrent/TransferQueue.h File Reference

```
#include <decaf/internal/util/concurrent/Transferer.h>
#include <decaf/util/concurrent/locks/LockSupport.h>
#include <decaf/util/concurrent/atomic/AtomicReference.h>
#include <decaf/util/concurrent/TimeoutException.h>
#include <decaf/lang/exceptions/InterruptedException.h>
#include <decaf/lang/Thread.h>
```

Data Structures

- class **decaf::internal::util::concurrent::TransferQueue**< **E** >

  This extends Scherer-Scott dual queue algorithm, differing, among other ways, by using modes within nodes rather than marked pointers.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::util**
- namespace **decaf::internal::util::concurrent**

7.644 src/main/decaf/internal/util/concurrent/TransferStack.h File Reference

```
#include <decaf/internal/util/concurrent/Transferer.h>
#include <decaf/util/concurrent/TimeoutException.h>
#include <decaf/lang/exceptions/InterruptedException.h>
```

Data Structures

- class **decaf::internal::util::concurrent::TransferStack**< **E** >

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::util**
- namespace **decaf::internal::util::concurrent**

7.645 src/main/decaf/internal/util/concurrent/unix/ConditionHandle.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::concurrent::ConditionHandle**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.646 src/main/decaf/internal/util/concurrent/windows/ConditionHandle.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::concurrent::ConditionHandle**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.647 src/main/decaf/internal/util/concurrent/unix/MutexHandle.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::concurrent::MutexHandle**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.648 src/main/decaf/internal/util/concurrent/windows/MutexHandle.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::concurrent::MutexHandle**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.649 src/main/decaf/internal/util/GenericResource.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/internal/util/Resource.h>
```

Data Structures

- class **decaf::internal::util::GenericResource**< **T** >

  *A Generic **Resource** (p. 3374) wraps some type and will delete it when the **Resource** (p. 3374) itself is deleted.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::util**

7.650 src/main/decaf/internal/util/HexStringParser.h File Reference

```
#include <decaf/util/Config.h>
#include <string>
```

Data Structures

- class **decaf::internal::util::HexStringParser**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::util**

7.651 src/main/decaf/internal/util/Resource.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::internal::util::Resource**

  Interface for all Managed Resources in Decaf, these objects are added to the Runtime System and are destroyed at shutdown.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::util**

7.652 src/main/decaf/internal/util/TimerTaskHeap.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/TimerTask.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **decaf::internal::util::TimerTaskHeap**

  A Binary Heap implemented specifically for the Timer class in Decaf Util.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**
- namespace **decaf::internal::util**

7.653 src/main/decaf/internal/util/zip/crc32.h File Reference

Variables

- local const unsigned long FAR **crc_table** [TBLS][256]

7.653.1 Variable Documentation

7.653.1.1 local const unsigned long FAR crc_table[TBLS][256]

7.654 src/main/decaf/internal/util/zip/deflate.h File Reference

```
#include "zutil.h"
```

Data Structures

- struct **ct_data_s**
- struct **tree_desc_s**
- struct **internal_state**

Defines

- #define **GZIP**
- #define **LENGTH_CODES** 29
- #define **LITERALS** 256
- #define **L_CODES** (LITERALS+1+LENGTH_CODES)
- #define **D_CODES** 30
- #define **BL_CODES** 19
- #define **HEAP_SIZE** (2∗L_CODES+1)
- #define **MAX_BITS** 15
- #define **INIT_STATE** 42
- #define **EXTRA_STATE** 69
- #define **NAME_STATE** 73
- #define **COMMENT_STATE** 91
- #define **HCRC_STATE** 103

- #define **BUSY_STATE** 113
- #define **FINISH_STATE** 666
- #define **Freq** fc.freq
- #define **Code** fc.code
- #define **Dad** dl.dad
- #define **Len** dl.len
- #define **max_insert_length** max_lazy_match
- #define **put_byte**(s, c) {s->pending_buf[s->pending++] = (c);}
- #define **MIN_LOOKAHEAD** (MAX_MATCH+MIN_MATCH+1)
- #define **MAX_DIST**(s) ((s)->w_size-MIN_LOOKAHEAD)
- #define **WIN_INIT** MAX_MATCH
- #define **d_code**(dist) ((dist) < 256 ? **_dist_code**[dist] : **_dist_code**[256+((dist)>>7)])
- #define **_tr_tally_lit**(s, c, flush)
- #define **_tr_tally_dist**(s, distance, length, flush)

Typedefs

- typedef struct **ct_data_s ct_data**
- typedef struct static_tree_desc_s **static_tree_desc**
- typedef struct **tree_desc_s tree_desc**
- typedef **ush Pos**
- typedef **Pos** FAR **Posf**
- typedef unsigned **IPos**
- typedef struct **internal_state deflate_state**

Functions

- void ZLIB_INTERNAL _tr_init **OF** ((**deflate_state** *s))
- int ZLIB_INTERNAL _tr_tally **OF** ((**deflate_state** *s, unsigned dist, unsigned lc))
- void ZLIB_INTERNAL _tr_flush_block **OF** ((**deflate_state** *s, **charf** *buf, **ulg** stored_len, int last))

Variables

- **uch** ZLIB_INTERNAL **_length_code** [ ]
- **uch** ZLIB_INTERNAL **_dist_code** [ ]

7.654.1 Define Documentation

7.654.1.1 #define _tr_tally_dist(*s, distance, length, flush*)

Value:

```
{ uch len = (length); \
    ush dist = (distance); \
    s->d_buf[s->last_lit] = dist; \
    s->l_buf[s->last_lit++] = len; \
    dist--; \
    s->dyn_ltree[_length_code[len]+LITERALS+1].Freq++; \
    s->dyn_dtree[d_code(dist)].Freq++; \
    flush = (s->last_lit == s->lit_bufsize-1); \
  }
```

7.654.1.2 #define _tr_tally_lit(*s, c, flush*)

Value:

```
{ uch cc = (c); \
    s->d_buf[s->last_lit] = 0; \
    s->l_buf[s->last_lit++] = cc; \
    s->dyn_ltree[cc].Freq++; \
    flush = (s->last_lit == s->lit_bufsize-1); \
   }
```

7.654.1.3 #define BL_CODES 19

7.654.1.4 #define BUSY_STATE 113

7.654.1.5 #define Code fc.code

7.654.1.6 #define COMMENT_STATE 91

7.654.1.7 #define d_code(*dist*) ((dist) < 256 ? _dist_code[dist] : _dist_code[256+((dist)>>7)])

7.654.1.8 #define D_CODES 30

7.654.1.9 #define Dad dl.dad

7.654.1.10 #define EXTRA_STATE 69

7.654.1.11 #define FINISH_STATE 666

7.654.1.12 #define Freq fc.freq

7.654.1.13 #define GZIP

7.654.1.14 #define HCRC_STATE 103

7.654.1.15 #define HEAP_SIZE (2*L_CODES+1)

7.654.1.16 #define INIT_STATE 42

7.654.1.17 #define L_CODES (LITERALS+1+LENGTH_CODES)

7.654.1.18 #define Len dl.len

7.654.1.19 #define LENGTH_CODES 29

7.654.1.20 #define LITERALS 256

7.654.1.21 #define MAX_BITS 15

7.654.1.22 #define MAX_DIST(*s*) ((s)->w_size-MIN_LOOKAHEAD)

7.654.1.23 #define max_insert_length max_lazy_match

7.654.1.24 #define MIN_LOOKAHEAD (MAX_MATCH+MIN_MATCH+1)

7.654.1.25 #define NAME_STATE 73

7.654.1.26 #define put_byte(*s*, *c*) {s->pending_buf[s->pending++] = (c);}

7.654.1.27 #define WIN_INIT MAX_MATCH

7.654.2 Typedef Documentation

7.654.2.1 typedef struct ct_data_s ct_data

7.654.2.2 typedef struct internal_state deflate_state

7.654.2.3 typedef unsigned IPos

```
#include "zlib.h"
#include <fcntl.h>
```

Data Structures

- struct **gz_state**

Defines

- #define **ZLIB_INTERNAL**
- #define **local** static
- #define **zstrerror**() "stdio error (consult errno)"
- #define **GZBUFSIZE** 8192
- #define **GZ_NONE** 0
- #define **GZ_READ** 7247
- #define **GZ_WRITE** 31153
- #define **GZ_APPEND** 1
- #define **LOOK** 0
- #define **COPY** 1
- #define **GZIP** 2
- #define **GT_OFF**(x) (sizeof(int) == sizeof(z_off64_t) && (x) > gz_intmax())

Typedefs

- typedef **gz_state** FAR ∗ **gz_statep**

Functions

- **voidp** malloc **OF** ((**uInt** size))
- void free **OF** ((**voidpf** ptr))
- ZEXTERN **gzFile** ZEXPORT gzopen64 **OF** ((const char ∗, const char ∗))
- ZEXTERN z_off64_t ZEXPORT gzseek64 **OF** ((**gzFile**, z_off64_t, int))
- ZEXTERN z_off64_t ZEXPORT gztell64 **OF** ((**gzFile**))
- void ZLIB_INTERNAL gz_error **OF** ((**gz_statep**, int, const char ∗))
- unsigned ZLIB_INTERNAL gz_intmax **OF** ((void))

7.655.1 Define Documentation

7.655.1.1 #define COPY 1

7.655.1.2 #define GT_OFF(x) (sizeof(int) == sizeof(z_off64_t) && (x) > gz_intmax())

7.655.1.3 #define GZ_APPEND 1

7.655.1.4 #define GZ_NONE 0

7.655.1.5 #define GZ_READ 7247

7.655.1.6 #define GZ_WRITE 31153

7.655.1.7 #define GZBUFSIZE 8192

7.655.1.8 #define GZIP 2

7.655.1.9 #define local static

7.655.1.10 #define LOOK 0

7.655.1.11 #define ZLIB_INTERNAL

7.655.1.12 #define zstrerror( ) "stdio error (consult errno)"

7.655.2 Typedef Documentation

7.655.2.1 typedef gz_state FAR* gz_statep

7.655.3 Function Documentation

7.655.3.1 voidp malloc OF ((uInt size))

7.655.3.2 unsigned ZLIB_INTERNAL gz_intmax OF ((void))

7.655.3.3 void ZLIB_INTERNAL gz_error OF ((gz_statep, int, const char *))

7.655.3.4 ZEXTERN z_off64_t ZEXPORT gztell64 OF ((gzFile))

7.655.3.5 ZEXTERN z_off64_t ZEXPORT gzseek64 OF ((gzFile, z_off64_t, int))

7.655.3.6 ZEXTERN gzFile ZEXPORT gzopen64 OF ((const char *, const char *))

7.655.3.7 void free OF ((voidpf ptr))

7.656 src/main/decaf/internal/util/zip/inffast.h File Reference

Functions

- void ZLIB_INTERNAL inflate_fast **OF** ((**z_streamp** strm, unsigned start))

7.656.1 Function Documentation

7.656.1.1 void ZLIB_INTERNAL inflate_fast OF ((z_streamp strm, unsigned start))

7.657 src/main/decaf/internal/util/zip/inffixed.h File Reference

7.658 src/main/decaf/internal/util/zip/inflate.h File Reference

Data Structures

- struct **inflate_state**

Defines

- #define **GUNZIP**

Enumerations

- enum **inflate_mode** {
  HEAD, **FLAGS**, **TIME**, **OS**,
  EXLEN, **EXTRA**, **NAME**, **COMMENT**,
  HCRC, **DICTID**, **DICT**, **TYPE**,
  TYPEDO, **STORED**, **COPY_**, **COPY**,
  TABLE, **LENLENS**, **CODELENS**, **LEN_**,
  LEN, **LENEXT**, **DIST**, **DISTEXT**,
  MATCH, **LIT**, **CHECK**, **LENGTH**,
  DONE, **BAD**, **MEM**, **SYNC** }

7.658.1 Define Documentation

7.658.1.1 #define GUNZIP

7.658.2 Enumeration Type Documentation

7.658.2.1 enum inflate_mode

Enumerator:

HEAD

FLAGS

TIME

OS

EXLEN
EXTRA
NAME
COMMENT
HCRC
DICTID
DICT
TYPE
TYPEDO
STORED
*COPY_*
COPY
TABLE
LENLENS
CODELENS
*LEN_*
LEN
LENEXT
DIST
DISTEXT
MATCH
LIT
CHECK
LENGTH
DONE
BAD
MEM
SYNC

7.659 src/main/decaf/internal/util/zip/inftrees.h File Reference

Data Structures

- struct **code**

Defines

- #define **ENOUGH_LENS** 852
- #define **ENOUGH_DISTS** 592
- #define **ENOUGH** (ENOUGH_LENS+ENOUGH_DISTS)

Enumerations

- enum **codetype** { **CODES**, **LENS**, **DISTS** }

Functions

- int ZLIB_INTERNAL inflate_table **OF** ((**codetype** type, unsigned short FAR ∗lens, unsigned codes, **code** FAR ∗FAR ∗table, unsigned FAR ∗bits, unsigned short FAR ∗work))

7.659.1 Define Documentation

7.659.1.1 #define ENOUGH (ENOUGH_LENS+ENOUGH_DISTS)

7.659.1.2 #define ENOUGH_DISTS 592

7.659.1.3 #define ENOUGH_LENS 852

7.659.2 Enumeration Type Documentation

7.659.2.1 enum codetype

Enumerator:

CODES

LENS

DISTS

7.659.3 Function Documentation

7.659.3.1 int ZLIB_INTERNAL inflate_table OF ((codetype type, unsigned short FAR ∗lens, unsigned codes, code FAR ∗FAR ∗table, unsigned FAR ∗bits, unsigned short FAR ∗work))

7.660 src/main/decaf/internal/util/zip/trees.h File Reference

Variables

- local const **ct_data static_ltree** [L_CODES+2]
- local const **ct_data static_dtree** [D_CODES]
- const **uch** ZLIB_INTERNAL **_dist_code** [DIST_CODE_LEN]
- const **uch** ZLIB_INTERNAL **_length_code** [MAX_MATCH-MIN_MATCH+1]
- local const int **base_length** [LENGTH_CODES]
- local const int **base_dist** [D_CODES]

7.660.1 Variable Documentation

7.660.1.1 const uch ZLIB_INTERNAL _dist_code[DIST_CODE_LEN]

Initial value:

```
 {
 0,  1,  2,  3,  4,  4,  5,  5,  6,  6,  6,  6,  7,  7,  7,  7,  8,  8,  8,  8,
 8,  8,  8,  8,  9,  9,  9,  9,  9,  9,  9,  9, 10, 10, 10, 10, 10, 10, 10, 10,
10, 10, 10, 10, 10, 10, 10, 10, 11, 11, 11, 11, 11, 11, 11, 11, 11, 11, 11, 11,
11, 11, 11, 11, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12,
12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 13, 13, 13, 13,
13, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13,
13, 13, 13, 13, 13, 13, 13, 13, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14,
14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14,
14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14,
14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, 15, 15, 15, 15, 15, 15, 15, 15,
15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15,
15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15,
15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15,  0,  0, 16, 17,
18, 18, 19, 19, 20, 20, 20, 20, 21, 21, 21, 21, 22, 22, 22, 22, 22, 22, 22, 22,
23, 23, 23, 23, 23, 23, 23, 23, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24,
24, 24, 24, 24, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25,
26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26,
26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 27, 27, 27, 27, 27, 27, 27, 27,
27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27,
27, 27, 27, 27, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28,
28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28,
28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28,
28, 28, 28, 28, 28, 28, 28, 28, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29,
29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29,
29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29,
29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29
}
```

7.660.1.2 const uch ZLIB_INTERNAL _length_code[MAX_MATCH-MIN_MATCH+1]

Initial value:

```
 {
 0,  1,  2,  3,  4,  5,  6,  7,  8,  8,  9,  9, 10, 10, 11, 11, 12, 12, 12, 12,
13, 13, 13, 13, 14, 14, 14, 14, 15, 15, 15, 15, 16, 16, 16, 16, 16, 16, 16, 16,
17, 17, 17, 17, 17, 17, 17, 17, 18, 18, 18, 18, 18, 18, 18, 18, 19, 19, 19, 19,
19, 19, 19, 19, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20,
21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21, 22, 22, 22, 22,
22, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22, 22, 23, 23, 23, 23, 23, 23, 23, 23,
23, 23, 23, 23, 23, 23, 23, 23, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24,
24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24,
25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25,
25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25, 26, 26, 26, 26, 26, 26, 26, 26,
26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26,
26, 26, 26, 26, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27,
27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27, 28
}
```

7.660.1.3 local const int base_dist[D_CODES]

Initial value:

```
 {
    0,     1,     2,     3,     4,     6,     8,    12,    16,    24,
   32,    48,    64,    96,   128,   192,   256,   384,   512,   768,
 1024,  1536,  2048,  3072,  4096,  6144,  8192, 12288, 16384, 24576
}
```

7.660.1.4 local const int base_length[LENGTH_CODES]

Initial value:

```
 {
0, 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 20, 24, 28, 32, 40, 48, 56,
64, 80, 96, 112, 128, 160, 192, 224, 0
}
```

7.660.1.5 local const ct_data static_dtree[D_CODES]

Initial value:

```
 {
{{ 0},{ 5}}, {{16},{ 5}}, {{ 8},{ 5}}, {{24},{ 5}}, {{ 4},{ 5}},
{{20},{ 5}}, {{12},{ 5}}, {{28},{ 5}}, {{ 2},{ 5}}, {{18},{ 5}},
{{10},{ 5}}, {{26},{ 5}}, {{ 6},{ 5}}, {{22},{ 5}}, {{14},{ 5}},
{{30},{ 5}}, {{ 1},{ 5}}, {{17},{ 5}}, {{ 9},{ 5}}, {{25},{ 5}},
{{ 5},{ 5}}, {{21},{ 5}}, {{13},{ 5}}, {{29},{ 5}}, {{ 3},{ 5}},
{{19},{ 5}}, {{11},{ 5}}, {{27},{ 5}}, {{ 7},{ 5}}, {{23},{ 5}}
}
```

7.660.1.6 local const ct_data static_ltree[L_CODES+2]

7.661 src/main/decaf/internal/util/zip/zconf.h File Reference

```
#include <decaf/util/Config.h>
```

Defines

- #define **const**
- #define **MAX_MEM_LEVEL** 9
- #define **MAX_WBITS** 15
- #define **OF**(args) ()
- #define **ZEXTERN** extern
- #define **ZEXPORT**
- #define **ZEXPORTVA**

- #define **FAR**
- #define **SEEK_SET** 0
- #define **SEEK_CUR** 1
- #define **SEEK_END** 2
- #define **z_off_t** long
- #define **z_off64_t** z_off_t

Typedefs

- typedef unsigned char **Byte**
- typedef unsigned int **uInt**
- typedef unsigned long **uLong**
- typedef **Byte** FAR **Bytef**
- typedef char FAR **charf**
- typedef int FAR **intf**
- typedef **uInt** FAR **uIntf**
- typedef **uLong** FAR **uLongf**
- typedef **Byte** const ∗ **voidpc**
- typedef **Byte** FAR ∗ **voidpf**
- typedef **Byte** ∗ **voidp**

7.661.1 Define Documentation

7.661.1.1 #define const

7.661.1.2 #define FAR

7.661.1.3 #define MAX_MEM_LEVEL 9

7.661.1.4 #define MAX_WBITS 15

7.661.1.5 #define OF(*args*) ()

7.661.1.6 #define SEEK_CUR 1

7.661.1.7 #define SEEK_END 2

7.661.1.8 #define SEEK_SET 0

7.661.1.9 #define z_off64_t z_off_t

7.661.1.10 #define z_off_t long

7.661.1.11 #define ZEXPORT

7.661.1.12 #define ZEXPORTVA

7.661.1.13 #define ZEXTERN extern

7.661.2 Typedef Documentation

7.661.2.1 typedef unsigned char Byte

7.661.2.2 typedef Byte FAR Bytef

7.661.2.3 typedef char FAR charf

7.661.2.4 typedef int FAR intf

7.661.2.5 typedef unsigned int uInt

7.661.2.6 typedef uInt FAR uIntf

7.661.2.7 typedef unsigned long uLong

7.661.2.8 typedef uLong FAR uLongf

7.661.2.9 typedef Byte* voidp

7.661.2.10 typedef Byte const* voidpc

7.661.2.11 typedef Byte FAR* voidpf

7.662 src/main/decaf/internal/util/zip/zlib.h File Reference

```
#include "zconf.h"
```

Data Structures

- struct **z_stream_s**
- struct **gz_header_s**
- struct **internal_state**

Defines

- #define **ZLIB_VERSION** "1.2.5"
- #define **ZLIB_VERNUM** 0x1250
- #define **ZLIB_VER_MAJOR** 1
- #define **ZLIB_VER_MINOR** 2
- #define **ZLIB_VER_REVISION** 5
- #define **ZLIB_VER_SUBREVISION** 0
- #define **Z_NO_FLUSH** 0
- #define **Z_PARTIAL_FLUSH** 1
- #define **Z_SYNC_FLUSH** 2
- #define **Z_FULL_FLUSH** 3
- #define **Z_FINISH** 4
- #define **Z_BLOCK** 5
- #define **Z_TREES** 6
- #define **Z_OK** 0
- #define **Z_STREAM_END** 1
- #define **Z_NEED_DICT** 2
- #define **Z_ERRNO** (-1)
- #define **Z_STREAM_ERROR** (-2)
- #define **Z_DATA_ERROR** (-3)
- #define **Z_MEM_ERROR** (-4)
- #define **Z_BUF_ERROR** (-5)
- #define **Z_VERSION_ERROR** (-6)
- #define **Z_NO_COMPRESSION** 0
- #define **Z_BEST_SPEED** 1
- #define **Z_BEST_COMPRESSION** 9
- #define **Z_DEFAULT_COMPRESSION** (-1)
- #define **Z_FILTERED** 1
- #define **Z_HUFFMAN_ONLY** 2
- #define **Z_RLE** 3
- #define **Z_FIXED** 4
- #define **Z_DEFAULT_STRATEGY** 0
- #define **Z_BINARY** 0
- #define **Z_TEXT** 1
- #define **Z_ASCII** Z_TEXT
- #define **Z_UNKNOWN** 2
- #define **Z_DEFLATED** 8
- #define **Z_NULL** 0
- #define **zlib_version** zlibVersion()

- #define **deflateInit**(strm, level) deflateInit_((strm), (level), ZLIB_VERSION, sizeof(**z_stream**))
- #define **inflateInit**(strm) inflateInit_((strm), ZLIB_VERSION, sizeof(**z_stream**))
- #define **deflateInit2**(strm, level, method, windowBits, memLevel, strategy)
- #define **inflateInit2**(strm, windowBits) inflateInit2_((strm), (windowBits), ZLIB_VERSION, sizeof(**z_stream**))
- #define **inflateBackInit**(strm, windowBits, window)

Typedefs

- typedef **voidpf** alloc_func **OF** ((**voidpf** opaque, **uInt** items, **uInt** size))
- typedef struct **z_stream_s z_stream**
- typedef **z_stream** FAR ∗ **z_streamp**
- typedef struct **gz_header_s gz_header**
- typedef **gz_header** FAR ∗ **gz_headerp**
- typedef **voidp gzFile**

Functions

- ZEXTERN const char ∗ZEXPORT zlibVersion **OF** ((void))
- ZEXTERN int ZEXPORT deflate **OF** ((**z_streamp** strm, int flush))
- ZEXTERN int ZEXPORT deflateEnd **OF** ((**z_streamp** strm))
- ZEXTERN int ZEXPORT deflateSetDictionary **OF** ((**z_streamp** strm, const **Bytef** ∗dictionary, uIntdictLength))
- ZEXTERN int ZEXPORT deflateCopy **OF** ((**z_streamp** dest, **z_streamp** source))
- ZEXTERN int ZEXPORT deflateParams **OF** ((**z_streamp** strm, int level, int strategy))
- ZEXTERN int ZEXPORT deflateTune **OF** ((**z_streamp** strm, int good_length, int max_lazy, int nice_length, int max_chain))
- ZEXTERN **uLong** ZEXPORT deflateBound **OF** ((**z_streamp** strm, **uLong** sourceLen))
- ZEXTERN int ZEXPORT deflatePrime **OF** ((**z_streamp** strm, int bits, int value))
- ZEXTERN int ZEXPORT deflateSetHeader **OF** ((**z_streamp** strm, **gz_headerp** head))
- ZEXTERN int ZEXPORT inflateReset2 **OF** ((**z_streamp** strm, int windowBits))
- ZEXTERN int ZEXPORT inflateBack **OF** ((**z_streamp** strm, in_func in, void FAR ∗in_desc, out_func out, void FAR ∗out_desc))
- ZEXTERN int ZEXPORT compress **OF** ((**Bytef** ∗dest, **uLongf** ∗destLen, const **Bytef** ∗source, **uLong** sourceLen))
- ZEXTERN int ZEXPORT compress2 **OF** ((**Bytef** ∗dest, **uLongf** ∗destLen, const **Bytef** ∗source, **uLong** sourceLen, int level))
- ZEXTERN **uLong** ZEXPORT compressBound **OF** ((**uLong** sourceLen))
- ZEXTERN **gzFile** ZEXPORT gzdopen **OF** ((int fd, const char ∗mode))
- ZEXTERN int ZEXPORT gzbuffer **OF** ((**gzFile** file, unsigned size))
- ZEXTERN int ZEXPORT gzsetparams **OF** ((**gzFile** file, int level, int strategy))
- ZEXTERN int ZEXPORT gzread **OF** ((**gzFile** file, **voidp** buf, unsigned len))

- ZEXTERN int ZEXPORT gzwrite **OF** ((**gzFile** file, **voidpc** buf, unsigned len))
- ZEXTERN int ZEXPORTVA gzprintf **OF** ((**gzFile** file, const char ∗format,...))
- ZEXTERN int ZEXPORT gzputs **OF** ((**gzFile** file, const char ∗s))
- ZEXTERN char ∗ZEXPORT gzgets **OF** ((**gzFile** file, char ∗buf, int len))
- ZEXTERN int ZEXPORT gzputc **OF** ((**gzFile** file, int c))
- ZEXTERN int ZEXPORT gzgetc **OF** ((**gzFile** file))
- ZEXTERN int ZEXPORT gzungetc **OF** ((int c, **gzFile** file))
- ZEXTERN int ZEXPORT gzflush **OF** ((**gzFile** file, int flush))
- ZEXTERN const char ∗ZEXPORT gzerror **OF** ((**gzFile** file, int ∗errnum))
- ZEXTERN **uLong** ZEXPORT adler32 **OF** ((**uLong** adler, const **Bytef** ∗buf, **uInt** len))
- ZEXTERN **uLong** ZEXPORT crc32 **OF** ((**uLong** crc, const **Bytef** ∗buf, **uInt** len))
- ZEXTERN int ZEXPORT deflateInit_ **OF** ((**z_streamp** strm, int level, const char ∗version, int stream_size))
- ZEXTERN int ZEXPORT inflateInit_ **OF** ((**z_streamp** strm, const char ∗version, int stream_size))
- ZEXTERN int ZEXPORT deflateInit2_ **OF** ((**z_streamp** strm, intlevel, intmethod, int windowBits, int memLevel, int strategy, const char ∗version, int stream_size))
- ZEXTERN int ZEXPORT inflateInit2_ **OF** ((**z_streamp** strm, intwindowBits, const char ∗version, int stream_size))
- ZEXTERN int ZEXPORT inflateBackInit_ **OF** ((**z_streamp** strm, int windowBits, unsigned char FAR ∗window, const char ∗version, int stream_size))
- ZEXTERN **gzFile** ZEXPORT gzopen **OF** ((const char ∗, const char ∗))
- ZEXTERN z_off_t ZEXPORT gzseek **OF** ((**gzFile**, z_off_t, int))
- ZEXTERN z_off_t ZEXPORT gztell **OF** ((**gzFile**))
- ZEXTERN **uLong** ZEXPORT adler32_combine **OF** ((**uLong**, **uLong**, z_off_t))
- ZEXTERN const char ∗ZEXPORT zError **OF** ((int))
- ZEXTERN int ZEXPORT inflateSyncPoint **OF** ((**z_streamp**))
- ZEXTERN int ZEXPORT inflateUndermine **OF** ((**z_streamp**, int))

7.662.1 Define Documentation

7.662.1.1 #define deflateInit(*strm, level*) deflateInit_((strm), (level), ZLIB_VERSION, sizeof(z_stream))

7.662.1.2 #define deflateInit2(*strm, level, method, windowBits, memLevel, strategy*)

Value:

```
deflateInit2_((strm),(level),(method),(windowBits),(memLevel),\
                      (strategy),           ZLIB_VERSION, sizeof(z_stream))
```

7.662.1.3 #define inflateBackInit(*strm, windowBits, window*)

Value:

```
inflateBackInit_((strm), (windowBits), (window), \
                                            ZLIB_VERSION, sizeof(z_stream))
```

7.662.1.4 #define inflateInit(*strm*) inflateInit_((strm), ZLIB_VERSION, sizeof(z_stream))

7.662.1.5 #define inflateInit2(*strm, windowBits*) inflateInit2_((strm), (windowBits), ZLIB_VERSION, sizeof(z_stream))

7.662.1.6 #define Z_ASCII Z_TEXT

7.662.1.7 #define Z_BEST_COMPRESSION 9

7.662.1.8 #define Z_BEST_SPEED 1

7.662.1.9 #define Z_BINARY 0

7.662.1.10 #define Z_BLOCK 5

7.662.1.11 #define Z_BUF_ERROR (-5)

7.662.1.12 #define Z_DATA_ERROR (-3)

7.662.1.13 #define Z_DEFAULT_COMPRESSION (-1)

7.662.1.14 #define Z_DEFAULT_STRATEGY 0

7.662.1.15 #define Z_DEFLATED 8

7.662.1.16 #define Z_ERRNO (-1)

7.662.1.17 #define Z_FILTERED 1

7.662.1.18 #define Z_FINISH 4

7.662.1.19 #define Z_FIXED 4

7.662.1.20 #define Z_FULL_FLUSH 3

7.662.1.21 #define Z_HUFFMAN_ONLY 2

7.662.1.22 #define Z_MEM_ERROR (-4)

7.662.1.23 #define Z_NEED_DICT 2

7.662.1.24 #define Z_NO_COMPRESSION 0

7.662.1.25 #define Z_NO_FLUSH 0

7.662.1.26 #define Z_NULL 0

7.662.1.27 #define Z_OK 0

7.662.1.28 #define Z_PARTIAL_FLUSH 1

7.662.1.29 #define Z_RLE 3

7.662.1.30 #define Z_STREAM_END 1

7.662.1.31 #define Z_STREAM_ERROR (-2)

7.662.1.32 #define Z_SYNC_FLUSH 2

Defines

- #define **ZLIB_INTERNAL**
- #define **local** static
- #define **ERR_MSG**(err) **z_errmsg**[Z_NEED_DICT-(err)]
- #define **ERR_RETURN**(strm, err) return (strm->msg = (char*)ERR_MSG(err), (err))
- #define **DEF_WBITS** MAX_WBITS
- #define **DEF_MEM_LEVEL** 8
- #define **STORED_BLOCK** 0
- #define **STATIC_TREES** 1
- #define **DYN_TREES** 2
- #define **MIN_MATCH** 3
- #define **MAX_MATCH** 258
- #define **PRESET_DICT** 0x20
- #define **OS_CODE** 0x03
- #define **F_OPEN**(name, mode) fopen((name), (mode))
- #define **Assert**(cond, msg)
- #define **Trace**(x)
- #define **Tracev**(x)
- #define **Tracevv**(x)
- #define **Tracec**(c, x)
- #define **Tracecv**(c, x)
- #define **ZALLOC**(strm, items, size) (*((strm)->zalloc))((strm)->opaque, (items), (size))
- #define **ZFREE**(strm, addr) (*((strm)->zfree))((strm)->opaque, (**voidpf**)(addr))
- #define **TRY_FREE**(s, p) {if (p) ZFREE(s, p);}

Typedefs

- typedef unsigned char **uch**
- typedef **uch** FAR **uchf**
- typedef unsigned short **ush**
- typedef **ush** FAR **ushf**
- typedef unsigned long **ulg**

Functions

- ZEXTERN **uLong** ZEXPORT adler32_combine64 **OF** ((**uLong**, **uLong**, z_-off_t))
- void ZLIB_INTERNAL zmemcpy **OF** ((**Bytef** *dest, const **Bytef** *source, **uInt** len))
- int ZLIB_INTERNAL zmemcmp **OF** ((const **Bytef** *s1, const **Bytef** *s2, **uInt** len))
- void ZLIB_INTERNAL zmemzero **OF** ((**Bytef** *dest, **uInt** len))
- **voidpf** ZLIB_INTERNAL zcalloc **OF** ((**voidpf** opaque, unsigned items, unsigned size))
- void ZLIB_INTERNAL zcfree **OF** ((**voidpf** opaque, **voidpf** ptr))

Variables

- const char *const **z_errmsg** [10]

7.663.1 Define Documentation

7.663.1.1 #define Assert(*cond, msg*)

7.663.1.2 #define DEF_MEM_LEVEL 8

7.663.1.3 #define DEF_WBITS MAX_WBITS

7.663.1.4 #define DYN_TREES 2

7.663.1.5 #define ERR_MSG(*err*) z_errmsg[Z_NEED_DICT-(err)]

7.663.1.6 #define ERR_RETURN(*strm, err*) return (strm->msg = (char*)ERR_MSG(err), (err))

7.663.1.7 #define F_OPEN(*name, mode*) fopen((name), (mode))

7.663.1.8 #define local static

7.663.1.9 #define MAX_MATCH 258

7.663.1.10 #define MIN_MATCH 3

7.663.1.11 #define OS_CODE 0x03

7.663.1.12 #define PRESET_DICT 0x20

7.663.1.13 #define STATIC_TREES 1

7.663.1.14 #define STORED_BLOCK 0

7.663.1.15 #define Trace(*x*)

7.663.1.16 #define Tracec(*c, x*)

7.663.1.17 #define Tracecv(*c, x*)

7.663.1.18 #define Tracev(*x*)

7.663.1.19 #define Tracevv(*x*)

7.663.1.20 #define TRY_FREE(*s, p*) {if (p) ZFREE(s, p);}

7.663.1.21 #define ZALLOC(*strm, items, size*) (*((strm)->zalloc))((strm)->opaque, (items), (size))

7.663.1.22 #define ZFREE(*strm, addr*) (*((strm)->zfree))((strm)->opaque, (voidpf)(addr))

7.663.1.23 #define ZLIB_INTERNAL

7.663.2 Typedef Documentation

7.663.2.1 typedef unsigned char uch

7.663.2.2 typedef uch FAR uchf

7.663.2.3 typedef unsigned long ulg

7.663.2.4 typedef unsigned short ush

```
#include <vector>
```

Data Structures

- class **decaf::io::BlockingByteArrayInputStream**

  This is a blocking version of a byte buffer stream.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.665 src/main/decaf/io/BufferedInputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/FilterInputStream.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
```

Data Structures

- class **decaf::io::BufferedInputStream**

  A wrapper around another input stream that performs a buffered read, where it reads more data than it needs in order to reduce the number of io operations on the input stream.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.666 src/main/decaf/io/BufferedOutputStream.h File Reference

```
#include <decaf/io/FilterOutputStream.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
```

Data Structures

- class **decaf::io::BufferedOutputStream**

  Wrapper around another output stream that buffers output before writing to the target output stream.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.667 src/main/decaf/io/ByteArrayInputStream.h File Reference

```
#include <decaf/io/InputStream.h>
#include <decaf/util/concurrent/Mutex.h>
#include <vector>
```

Data Structures

- class **decaf::io::ByteArrayInputStream**

  *A **ByteArrayInputStream*** (p. *1038*) *contains an internal buffer that contains bytes that may be read from the stream.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.668 src/main/decaf/io/ByteArrayOutputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/OutputStream.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <utility>
```

Data Structures

- class **decaf::io::ByteArrayOutputStream**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.669 src/main/decaf/io/DataInput.h File Reference

```
#include <decaf/util/Config.h>
#include <vector>
#include <string>
#include <decaf/io/IOException.h>
#include <decaf/io/EOFException.h>
#include <decaf/io/UTFDataFormatException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

Data Structures

- class **decaf::io::DataInput**

  *The **DataInput** (p. 1603) interface provides for reading bytes from a binary stream and reconstructing from them data in any of the C++ primitive types.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.670 src/main/decaf/io/DataInputStream.h File Reference

```
#include <decaf/io/FilterInputStream.h>
```

```
#include <decaf/io/IOException.h>
#include <decaf/io/EOFException.h>
#include <decaf/io/UTFDataFormatException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

Data Structures

- class **decaf::io::DataInputStream**

  A data input stream lets an application read primitive Java data types from an underlying input stream in a machine-independent way.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.671 src/main/decaf/io/DataOutput.h File Reference

```
#include <decaf/util/Config.h>
#include <vector>
#include <string>
#include <decaf/io/IOException.h>
#include <decaf/io/EOFException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

Data Structures

- class **decaf::io::DataOutput**

  *The **DataOutput** (p. 1622) interface provides for converting data from any of the C++ primitive types to a series of bytes and writing these bytes to a binary stream.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.672 src/main/decaf/io/DataOutputStream.h File Reference

```
#include <decaf/io/FilterOutputStream.h>
#include <decaf/io/IOException.h>
#include <decaf/io/UTFDataFormatException.h>
#include <string>
```

Data Structures

- class **decaf::io::DataOutputStream**

  A data output stream lets an application write primitive Java data types to an output stream in a portable way.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.673 src/main/decaf/io/EOFException.h File Reference

```
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::io::EOFException**

Namespaces

- namespace **decaf**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.674 src/main/decaf/io/FileDescriptor.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::io::FileDescriptor**

  This class servers as an opaque wrapper around an underlying OS level resource that can be used as a source / sink for byte level data such as sockets and files.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.675 src/main/decaf/io/FilterInputStream.h File Reference

```
#include <decaf/io/InputStream.h>
#include <decaf/io/IOException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

Data Structures

- class **decaf::io::FilterInputStream**

  *A **FilterInputStream** (p. 1950) contains some other input stream, which it uses as its basic source of data, possibly transforming the data along the way or providing additional functionality.*

Namespaces

- namespace **decaf**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.676 src/main/decaf/io/FilterOutputStream.h File Reference

```
#include <decaf/io/OutputStream.h>
#include <decaf/io/IOException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

Data Structures

- class **decaf::io::FilterOutputStream**

  This class is the superclass of all classes that filter output streams.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.677 src/main/decaf/io/Flushable.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::io::Flushable**

  *A **Flushable** (p. 1998) is a destination of data that can be flushed.*

Namespaces

- namespace **decaf**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.678 src/main/decaf/io/InputStream.h File Reference

```
#include <decaf/io/IOException.h>
#include <decaf/io/Closeable.h>
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::io::InputStream**

  A base class that must be implemented by all classes wishing to provide a class that reads in a stream of bytes.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.679 src/main/decaf/io/InputStreamReader.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/Reader.h>
```

Data Structures

- class **decaf::io::InputStreamReader**

  *An **InputStreamReader** (p. 2116) is a bridge from byte streams to character streams.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.680 src/main/decaf/io/InterruptedIOException.h File Reference

```
#include <decaf/lang/Exception.h>
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::io::InterruptedIOException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.681 src/main/decaf/io/IOException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::io::IOException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.682 src/main/decaf/io/OutputStream.h File Reference

```
#include <decaf/io/Closeable.h>
#include <decaf/io/Flushable.h>
#include <decaf/io/IOException.h>
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

Data Structures

- class **decaf::io::OutputStream**

  Base interface for any class that wants to represent an output stream of bytes.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.683 src/main/decaf/io/OutputStreamWriter.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/Writer.h>
```

Data Structures

- class **decaf::io::OutputStreamWriter**

  A class for turning a character stream into a byte stream.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.684 src/main/decaf/io/PushbackInputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/InputStream.h>
#include <decaf/io/FilterInputStream.h>
```

Data Structures

- class **decaf::io::PushbackInputStream**

  *A **PushbackInputStream** (p. 3231) adds functionality to another input stream, namely the ability to "push back" or "unread" one byte.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.685 src/main/decaf/io/Reader.h File Reference

```
#include <string>
#include <decaf/lang/Readable.h>
#include <decaf/io/Closeable.h>
#include <decaf/io/IOException.h>
#include <decaf/io/InputStream.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
```

Data Structures

- class **decaf::io::Reader**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.686 src/main/decaf/io/UnsupportedEncodingException.h File Reference

```
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::io::UnsupportedEncodingException**

  Thrown when the the Character Encoding is not supported.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.687 src/main/decaf/io/UTFDataFormatException.h File Reference

```
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::io::UTFDataFormatException**

  Thrown from classes that attempt to read or write a UTF-8 encoded string and an encoding error is encountered.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.688 src/main/decaf/io/Writer.h File Reference

```
#include <string>
#include <vector>
#include <decaf/io/IOException.h>
#include <decaf/io/Closeable.h>
#include <decaf/io/Flushable.h>
#include <decaf/lang/Appendable.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

Data Structures

- class **decaf::io::Writer**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**

7.689 src/main/decaf/lang/Appendable.h File Reference

```
#include <decaf/lang/Exception.h>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::lang::Appendable**

  An object to which char sequences and values can be appended.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.690 src/main/decaf/lang/ArrayPointer.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/System.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/util/concurrent/atomic/AtomicRefCounter.h>
#include <decaf/util/Comparator.h>
#include <memory>
#include <typeinfo>
#include <algorithm>
```

Data Structures

- class **decaf::lang::ArrayPointer< T, REFCOUNTER >**

  *Decaf's implementation of a Smart **Pointer** (p. 3032) that is a template on a Type and is **Thread** (p. 3876) Safe if the default Reference Counter is used.*

- struct **decaf::lang::ArrayPointer< T, REFCOUNTER >::ArrayData**
- class **decaf::lang::ArrayPointerComparator< T, R >**

  *This implementation of Comparator is designed to allows objects in a Collection to be sorted or tested for equality based on the value of the value of the actual pointer to the array being contained in this **ArrayPointer** (p. 736).*

- struct **std::less< decaf::lang::ArrayPointer< T > >**

  An override of the less function object so that the Pointer objects can be stored in STL Maps, etc.

Namespaces

- namespace **decaf**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **std**

Functions

- template<typename T , typename R , typename U >
  bool **decaf::lang::operator==** (const ArrayPointer< T, R > &left, const U *right)
- template<typename T , typename R , typename U >
  bool **decaf::lang::operator==** (const U *left, const ArrayPointer< T, R > &right)
- template<typename T , typename R , typename U >
  bool **decaf::lang::operator!=** (const ArrayPointer< T, R > &left, const U *right)
- template<typename T , typename R , typename U >
  bool **decaf::lang::operator!=** (const U *left, const ArrayPointer< T, R > &right)

7.691 src/main/decaf/lang/Boolean.h File Reference

```
#include <string>
#include <decaf/lang/Comparable.h>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::lang::Boolean**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.692 src/main/decaf/lang/Byte.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Number.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/NumberFormatException.h>
#include <string>
```

Data Structures

- class **decaf::lang::Byte**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.693 src/main/decaf/lang/Character.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Number.h>
#include <decaf/lang/Comparable.h>
#include <string>
```

Data Structures

- class **decaf::lang::Character**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.694 src/main/decaf/lang/CharSequence.h File Reference

```
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::lang::CharSequence**

  *A **CharSequence** (p. 1167) is a readable sequence of char values.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.695 src/main/decaf/lang/Comparable.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::lang::Comparable**< **T** >

  This interface imposes a total ordering on the objects of each class that implements it.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.696 src/main/decaf/lang/Double.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/Number.h>
#include <decaf/lang/exceptions/NumberFormatException.h>
#include <string>
```

Data Structures

- class **decaf::lang::Double**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.697 src/main/decaf/lang/Exception.h File Reference

```
#include <decaf/lang/Throwable.h>
#include <decaf/lang/exceptions/ExceptionDefines.h>
#include <decaf/util/Config.h>
#include <stdarg.h>
#include <sstream>
```

Data Structures

- class **decaf::lang::Exception**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.698 src/main/decaf/lang/exceptions/ClassCastException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::lang::exceptions::ClassCastException**

Namespaces

- namespace **decaf**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::lang::exceptions**

7.699 src/main/decaf/lang/exceptions/IllegalArgumentException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::lang::exceptions::IllegalArgumentException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::lang::exceptions**

7.700 src/main/decaf/lang/exceptions/IllegalMonitorStateException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::lang::exceptions::IllegalMonitorStateException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::lang::exceptions**

7.701 src/main/decaf/lang/exceptions/IllegalThreadStateException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::lang::exceptions::IllegalThreadStateException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::lang::exceptions**

7.702 src/main/decaf/lang/exceptions/IndexOutOfBoundsException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::lang::exceptions::IndexOutOfBoundsException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::lang::exceptions**

7.703 src/main/decaf/lang/exceptions/InterruptedException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::lang::exceptions::InterruptedException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::lang::exceptions**

7.704 src/main/decaf/lang/exceptions/InvalidStateException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::lang::exceptions::InvalidStateException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::lang::exceptions**

7.705 src/main/decaf/lang/exceptions/NoSuchElementException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::lang::exceptions::NoSuchElementException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::lang::exceptions**

7.706 src/main/decaf/lang/exceptions/NullPointerException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::lang::exceptions::NullPointerException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::lang::exceptions**

7.707 src/main/decaf/lang/exceptions/NumberFormatException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::lang::exceptions::NumberFormatException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::lang::exceptions**

7.708 src/main/decaf/lang/exceptions/RuntimeException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::lang::exceptions::RuntimeException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::lang::exceptions**

7.709 src/main/decaf/lang/Float.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Number.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/NumberFormatException.h>
#include <string>
```

Data Structures

- class **decaf::lang::Float**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.710 src/main/decaf/lang/Integer.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Number.h>
#include <decaf/lang/Comparable.h>
#include <string>
#include <decaf/lang/exceptions/NumberFormatException.h>
```

Data Structures

- class **decaf::lang::Integer**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.711 src/main/decaf/lang/Iterable.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/Iterator.h>
```

Data Structures

- class **decaf::lang::Iterable**< **E** >

  *Implementing this interface allows an object to be cast to an **Iterable*** (p. *2220) type for generic collections API calls.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.712 src/main/decaf/lang/Long.h File Reference

```
#include <decaf/lang/Number.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/NumberFormatException.h>
#include <string>
```

Data Structures

- class **decaf::lang::Long**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.713 src/main/decaf/lang/Math.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::lang::Math**

  The class **`Math`** (p. 2575) *contains methods for performing basic numeric operations such as the elementary exponential, logarithm, square root, and trigonometric functions.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.714 src/main/decaf/lang/Number.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::lang::Number**

  *The abstract class **Number** (p. 2918) is the superclass of classes **Byte** (p. 969), **Double** (p. 1841), **Float** (p. 1961), **Integer** (p. 2143), **Long** (p. 2495), and **Short** (p. 3538).*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.715 src/main/decaf/lang/Pointer.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/ClassCastException.h>
#include <decaf/util/concurrent/atomic/AtomicRefCounter.h>
#include <decaf/util/Comparator.h>
#include <memory>
#include <typeinfo>
#include <algorithm>
```

Data Structures

- struct **decaf::lang::STATIC_CAST_TOKEN**
- struct **decaf::lang::DYNAMIC_CAST_TOKEN**
- class **decaf::lang::Pointer< T, REFCOUNTER >**

  *Decaf's implementation of a Smart **Pointer** (p. 3032) that is a template on a Type and is **Thread** (p. 3876) Safe if the default Reference Counter is used.*

- class **decaf::lang::PointerComparator< T, R >**

  *This implementation of Comparator is designed to allows objects in a Collection to be sorted or tested for equality based on the value of the Object being Pointed to and not the value of the contained pointer in the **Pointer** (p. 3032) instance.*

- struct **std::less< decaf::lang::Pointer< T > >**

  An override of the less function object so that the Pointer objects can be stored in STL Maps, etc.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **std**

Functions

- template<typename T , typename R , typename U >
  bool **decaf::lang::operator==** (const Pointer< T, R > &left, const U *right)
- template<typename T , typename R , typename U >
  bool **decaf::lang::operator==** (const U *left, const Pointer< T, R > &right)
- template<typename T , typename R , typename U >
  bool **decaf::lang::operator!=** (const Pointer< T, R > &left, const U *right)
- template<typename T , typename R , typename U >
  bool **decaf::lang::operator!=** (const U *left, const Pointer< T, R > &right)

7.716 src/main/decaf/lang/Readable.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/IOException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
```

Data Structures

- class **decaf::lang::Readable**

  *A **Readable** (p. 3251) is a source of characters.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::nio**
- namespace **decaf::lang**

7.717 src/main/decaf/lang/Runnable.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::lang::Runnable**

  Interface for a runnable object - defines a task that can be run by a thread.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.718 src/main/decaf/lang/Runtime.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::lang::Runtime**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.719 src/main/decaf/lang/Short.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Number.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/NumberFormatException.h>
#include <string>
```

Data Structures

- class **decaf::lang::Short**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.720 src/main/decaf/lang/String.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/CharSequence.h>
#include <decaf/lang/Comparable.h>
#include <string>
```

Data Structures

- class **decaf::lang::String**

  *The **String** (p. 3775) class represents an immutable sequence of chars.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.721 src/main/decaf/lang/System.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/Map.h>
#include <decaf/util/Properties.h>
#include <decaf/lang/Exception.h>
#include <decaf/lang/exceptions/NullPointerException.h>
```

```
#include <decaf/internal/AprPool.h>
#include <string>
```

Data Structures

- class **decaf::lang::System**

  *The **System** (p. 3838) class provides static methods for accessing system level resources and performing some system dependent tasks such as looking up environment values and copying memory and arrays.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.722 src/main/decaf/lang/Thread.h File Reference

```
#include <decaf/lang/exceptions/IllegalThreadStateException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/exceptions/InterruptedException.h>
#include <decaf/lang/exceptions/RuntimeException.h>
#include <decaf/lang/Exception.h>
#include <decaf/lang/Runnable.h>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::lang::Thread**

  *A **Thread** (p. 3876) is a concurrent unit of execution.*

- class **decaf::lang::Thread::UncaughtExceptionHandler**

  *Interface for handlers invoked when a **Thread** (p. 3876) abruptly terminates due to an uncaught exception.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**
- namespace **decaf::util::concurrent::locks**
- namespace **decaf::lang**

7.723 src/main/decaf/lang/ThreadGroup.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::lang::ThreadGroup**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.724 src/main/decaf/lang/Throwable.h File Reference

```
#include <string>
#include <vector>
#include <iostream>
#include <exception>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::lang::Throwable**

  This class represents an error that has occurred.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**

7.725 src/main/decaf/net/BindException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/SocketException.h>
```

Data Structures

- class **decaf::net::BindException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.726 src/main/decaf/net/ConnectException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/SocketException.h>
```

Data Structures

- class **decaf::net::ConnectException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.727 src/main/decaf/net/HttpRetryException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::net::HttpRetryException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.728 src/main/decaf/net/Inet4Address.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/InetAddress.h>
```

Data Structures

- class **decaf::net::Inet4Address**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.729 src/main/decaf/net/Inet6Address.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/InetAddress.h>
```

Data Structures

- class **decaf::net::Inet6Address**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.730 src/main/decaf/net/InetAddress.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/ArrayPointer.h>
```

Data Structures

- class **decaf::net::InetAddress**

  Represents an IP address.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.731 src/main/decaf/net/InetSocketAddress.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/SocketAddress.h>
#include <string>
```

Data Structures

- class **decaf::net::InetSocketAddress**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.732 src/main/decaf/net/MalformedURLException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::net::MalformedURLException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.733 src/main/decaf/net/NoRouteToHostException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/SocketException.h>
```

Data Structures

- class **decaf::net::NoRouteToHostException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.734 src/main/decaf/net/PortUnreachableException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/SocketException.h>
```

Data Structures

- class **decaf::net::PortUnreachableException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.735 src/main/decaf/net/ProtocolException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::net::ProtocolException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.736 src/main/decaf/net/ServerSocket.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/InetAddress.h>
#include <decaf/net/SocketImpl.h>
#include <decaf/net/SocketImplFactory.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/net/UnknownHostException.h>
#include <decaf/net/SocketTimeoutException.h>
#include <decaf/io/IOException.h>
```

```
#include <string>
```

Data Structures

- class **decaf::net::ServerSocket**

  This class implements server sockets.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.737 src/main/decaf/net/ServerSocketFactory.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/InetAddress.h>
```

Data Structures

- class **decaf::net::ServerSocketFactory**

  Class used to create Server Sockets, subclasses can be created that create certain types of server sockets according to specific policies.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.738 src/main/decaf/net/Socket.h File Reference

```
#include <decaf/net/InetAddress.h>
#include <decaf/net/SocketImplFactory.h>
#include <decaf/net/SocketException.h>
```

```
#include <decaf/io/InputStream.h>
#include <decaf/io/OutputStream.h>
#include <decaf/io/Closeable.h>
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/net/UnknownHostException.h>
#include <decaf/net/SocketTimeoutException.h>
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::net::Socket**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.739 src/main/decaf/net/SocketAddress.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::net::SocketAddress**

  *Base class for protocol specific **Socket*** (p. *3607*) *addresses.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.740 src/main/decaf/net/SocketError.h File Reference

```
#include <string>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::net::SocketError**

  Static utility class to simplify handling of error codes for socket operations.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.741 src/main/decaf/net/SocketException.h File Reference

```
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::net::SocketException**

  Exception for errors when manipulating sockets.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.742 src/main/decaf/net/SocketFactory.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/IOException.h>
#include <decaf/net/UnknownHostException.h>
```

Data Structures

- class **decaf::net::SocketFactory**

  *The **SocketFactory** (p. 3629) is used to create **Socket** (p. 3607) objects and can be sub-classed to provide other types of Sockets or Sockets with varying configurations.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.743 src/main/decaf/net/SocketImpl.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/IOException.h>
#include <decaf/io/InputStream.h>
#include <decaf/io/OutputStream.h>
#include <decaf/io/FileDescriptor.h>
#include <decaf/net/SocketException.h>
#include <decaf/net/SocketTimeoutException.h>
#include <decaf/net/SocketOptions.h>
#include <string>
```

Data Structures

- class **decaf::net::SocketImpl**

  *Acts as a base class for all physical **Socket** (p. 3607) implementations.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.744 src/main/decaf/net/SocketImplFactory.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::net::SocketImplFactory**

  Factory class interface for a Factory that creates ScoketImpl objects.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.745 src/main/decaf/net/SocketOptions.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::net::SocketOptions**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.746 src/main/decaf/net/SocketTimeoutException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/InterruptedIOException.h>
```

Data Structures

- class **decaf::net::SocketTimeoutException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.747 src/main/decaf/net/ssl/SSLContext.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/ssl/SSLContextSpi.h>
```

Data Structures

- class **decaf::net::ssl::SSLContext**

  *Represents on implementation of the Secure **Socket*** (p. *3607*) *Layer for streaming based sockets.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**
- namespace **decaf::net::ssl**

7.748 src/main/decaf/net/ssl/SSLContextSpi.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/security/SecureRandom.h>
```

Data Structures

- class **decaf::net::ssl::SSLContextSpi**

  *Defines the interface that should be provided by an **SSLContext*** (p. *3653*) *provider.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**
- namespace **decaf::net::ssl**

7.749 src/main/decaf/net/ssl/SSLParameters.h File Reference

```
#include <decaf/util/Config.h>
#include <string>
#include <vector>
```

Data Structures

- class **decaf::net::ssl::SSLParameters**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**
- namespace **decaf::net::ssl**

7.750 src/main/decaf/net/ssl/SSLServerSocket.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/ServerSocket.h>
```

Data Structures

- class **decaf::net::ssl::SSLServerSocket**

  Represents a server socket that is used to accept connections from clients using the Secure Sockets protocol or the Top Level Security protocol.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**
- namespace **decaf::net::ssl**

7.751 src/main/decaf/net/ssl/SSLServerSocketFactory.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/ServerSocketFactory.h>
#include <vector>
#include <string>
```

Data Structures

- class **decaf::net::ssl::SSLServerSocketFactory**

  Factory class interface that provides methods to create SSL Server Sockets.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**
- namespace **decaf::net::ssl**

7.752 src/main/decaf/net/ssl/SSLSocket.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/Socket.h>
#include <decaf/net/ssl/SSLParameters.h>
```

Data Structures

- class **decaf::net::ssl::SSLSocket**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**
- namespace **decaf::net::ssl**

7.753 src/main/decaf/net/ssl/SSLSocketFactory.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/net/SocketFactory.h>
#include <vector>
#include <string>
```

Data Structures

- class **decaf::net::ssl::SSLSocketFactory**

  *Factory class interface for a **SocketFactory*** (p. *3629*) *that can create **SSLSocket*** (p. *3670*) *objects.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**
- namespace **decaf::net::ssl**

7.754 src/main/decaf/net/UnknownHostException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::net::UnknownHostException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.755 src/main/decaf/net/UnknownServiceException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::net::UnknownServiceException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.756 src/main/decaf/net/URI.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/net/URISyntaxException.h>
#include <decaf/net/MalformedURLException.h>
#include <decaf/net/URL.h>
#include <decaf/internal/net/URIType.h>
#include <string>
```

Data Structures

- class **decaf::net::URI**

  *This class represents an instance of a **URI*** (p. *4031) as defined by RFC 2396.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.757 src/main/decaf/net/URISyntaxException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::net::URISyntaxException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.758 src/main/decaf/net/URL.h File Reference

```
#include <decaf/util/Config.h>
#include <string>
```

Data Structures

- class **decaf::net::URL**

  *Class **URL** (p. 4072) represents a Uniform Resource Locator, a pointer to a "resource" on the World Wide Web.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.759 src/main/decaf/net/URLDecoder.h File Reference

```
#include <decaf/util/Config.h>
#include <string>
```

Data Structures

- class **decaf::net::URLDecoder**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.760 src/main/decaf/net/URLEncoder.h File Reference

```
#include <decaf/util/Config.h>
#include <string>
```

Data Structures

- class **decaf::net::URLEncoder**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::net**

7.761 src/main/decaf/nio/Buffer.h File Reference

```
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/nio/InvalidMarkException.h>
```

Data Structures

- class **decaf::nio::Buffer**

  A container for data of a specific primitive type.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::nio**

7.762 src/main/decaf/nio/BufferOverflowException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::nio::BufferOverflowException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::nio**

7.763 src/main/decaf/nio/BufferUnderflowException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::nio::BufferUnderflowException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::nio**

7.764 src/main/decaf/nio/ByteBuffer.h File Reference

```
#include <decaf/nio/Buffer.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
```

Data Structures

- class **decaf::nio::ByteBuffer**

  This class defines six categories of operations upon byte buffers:

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::nio**

7.765 src/main/decaf/nio/CharBuffer.h File Reference

```
#include <decaf/nio/Buffer.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/nio/BufferUnderflowException.h>
```

```
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
#include <decaf/lang/CharSequence.h>
#include <decaf/lang/Appendable.h>
```

Data Structures

- class **decaf::nio::CharBuffer**

  This class defines four categories of operations upon character buffers:

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::nio**

7.766 src/main/decaf/nio/DoubleBuffer.h File Reference

```
#include <decaf/nio/Buffer.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
```

Data Structures

- class **decaf::nio::DoubleBuffer**

  This class defines four categories of operations upon double buffers:

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::nio**

7.767 src/main/decaf/nio/FloatBuffer.h File Reference

```
#include <decaf/nio/Buffer.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
```

Data Structures

- class **decaf::nio::FloatBuffer**

  This class defines four categories of operations upon float buffers:

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::nio**

7.768 src/main/decaf/nio/IntBuffer.h File Reference

```
#include <decaf/nio/Buffer.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
```

Data Structures

- class **decaf::nio::IntBuffer**

  This class defines four categories of operations upon int buffers:

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::nio**

7.769 src/main/decaf/nio/InvalidMarkException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/IllegalStateException.h>
```

Data Structures

- class **decaf::nio::InvalidMarkException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::nio**

7.770 src/main/decaf/nio/LongBuffer.h File Reference

```
#include <decaf/nio/Buffer.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
```

Data Structures

- class **decaf::nio::LongBuffer**

  This class defines four categories of operations upon long long buffers:

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::nio**

7.771 src/main/decaf/nio/ReadOnlyBufferException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
```

Data Structures

- class **decaf::nio::ReadOnlyBufferException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::nio**

7.772 src/main/decaf/nio/ShortBuffer.h File Reference

```
#include <decaf/nio/Buffer.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/nio/BufferUnderflowException.h>
#include <decaf/nio/BufferOverflowException.h>
#include <decaf/nio/ReadOnlyBufferException.h>
```

Data Structures

- class **decaf::nio::ShortBuffer**

  This class defines four categories of operations upon short buffers:

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::nio**

7.773 src/main/decaf/security/auth/x500/X500Principal.h File Reference

```
#include <string>
#include <vector>
#include <decaf/security/Principal.h>
#include <decaf/util/Map.h>
#include <decaf/io/InputStream.h>
```

Data Structures

- class **decaf::security::auth::x500::X500Principal**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**
- namespace **decaf::security::auth**
- namespace **decaf::security::auth::x500**

7.774 src/main/decaf/security/cert/Certificate.h File Reference

```
#include <vector>
#include <decaf/util/Config.h>
```

```
#include <decaf/security/InvalidKeyException.h>
#include <decaf/security/NoSuchAlgorithmException.h>
#include <decaf/security/SignatureException.h>
#include <decaf/security/cert/CertificateEncodingException.h>
#include <decaf/security/cert/CertificateException.h>
```

Data Structures

- class **decaf::security::cert::Certificate**

  Base interface for all identity certificates.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**
- namespace **decaf::security::cert**

7.775 src/main/decaf/security/cert/CertificateEncodingException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/security/cert/CertificateException.h>
```

Data Structures

- class **decaf::security::cert::CertificateEncodingException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**
- namespace **decaf::security::cert**

7.776 src/main/decaf/security/cert/CertificateException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/security/GeneralSecurityException.h>
```

Data Structures

- class **decaf::security::cert::CertificateException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**
- namespace **decaf::security::cert**

7.777 src/main/decaf/security/cert/CertificateExpiredException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/security/cert/CertificateException.h>
```

Data Structures

- class **decaf::security::cert::CertificateExpiredException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**
- namespace **decaf::security::cert**

7.778 src/main/decaf/security/cert/CertificateNotYetValidException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/security/cert/CertificateException.h>
```

Data Structures

- class **decaf::security::cert::CertificateNotYetValidException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**
- namespace **decaf::security::cert**

7.779 src/main/decaf/security/cert/CertificateParsingException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/security/cert/CertificateException.h>
```

Data Structures

- class **decaf::security::cert::CertificateParsingException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**
- namespace **decaf::security::cert**

7.780 src/main/decaf/security/cert/X509Certificate.h File Reference

```
#include <decaf/security/cert/Certificate.h>
#include <decaf/util/Config.h>
#include <decaf/util/Date.h>
```

Data Structures

- class **decaf::security::cert::X509Certificate**
  Base interface for all identity certificates.

Namespaces

- namespace **decaf**
  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.
- namespace **decaf::security**
- namespace **decaf::security::cert**

7.781 src/main/decaf/security/GeneralSecurityException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::security::GeneralSecurityException**

Namespaces

- namespace **decaf**
  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.
- namespace **decaf::security**

7.782 src/main/decaf/security/InvalidKeyException.h File Reference

```
#include <decaf/security/KeyException.h>
```

Data Structures

- class **decaf::security::InvalidKeyException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**

7.783 src/main/decaf/security/Key.h File Reference

```
#include <vector>
#include <string>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::security::Key**

  *The **Key** (p. 2364) interface is the top-level interface for all keys.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**

7.784 src/main/decaf/security/KeyException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/security/GeneralSecurityException.h>
```

Data Structures

- class **decaf::security::KeyException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**

7.785 src/main/decaf/security/KeyManagementException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/security/KeyException.h>
```

Data Structures

- class **decaf::security::KeyManagementException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**

7.786 src/main/decaf/security/NoSuchAlgorithmException.h File Reference

```
#include <decaf/security/GeneralSecurityException.h>
```

Data Structures

- class **decaf::security::NoSuchAlgorithmException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**

7.787 src/main/decaf/security/NoSuchProviderException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/security/GeneralSecurityException.h>
```

Data Structures

- class **decaf::security::NoSuchProviderException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**

7.788 src/main/decaf/security/Principal.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::security::Principal**

  Base interface for a principal, which can represent an individual or organization.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**

7.789 src/main/decaf/security/PublicKey.h File Reference

```
#include <decaf/security/Key.h>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::security::PublicKey**
  A public key.

Namespaces

- namespace **decaf**
  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.
- namespace **decaf::security**

7.790 src/main/decaf/security/SecureRandom.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/Random.h>
#include <decaf/security/SecureRandomSpi.h>
#include <memory>
```

Data Structures

- class **decaf::security::SecureRandom**

Namespaces

- namespace **decaf**
  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.
- namespace **decaf::security**

7.791 src/main/decaf/security/SecureRandomSpi.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::security::SecureRandomSpi**
  Interface class used by Security Service Providers to implement a source of secure random bytes.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**

7.792 src/main/decaf/security/SignatureException.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/security/GeneralSecurityException.h>
```

Data Structures

- class **decaf::security::SignatureException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::security**

7.793 src/main/decaf/util/AbstractCollection.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/Iterable.h>
#include <decaf/util/Iterator.h>
#include <decaf/util/Collection.h>
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/util/concurrent/Mutex.h>
#include <memory>
```

Data Structures

- class **decaf::util::AbstractCollection< E >**

  *This class provides a skeletal implementation of the **Collection** (p. 1216) interface, to minimize the effort required to implement this interface.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.794 src/main/decaf/util/AbstractList.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/Iterable.h>
#include <decaf/util/Iterator.h>
#include <decaf/util/List.h>
#include <memory>
```

Data Structures

- class **decaf::util::AbstractList< E >**

  *This class provides a skeletal implementation of the **List** (p. 2409) interface to minimize the effort required to implement this interface backed by a "random access" data store (such as an array).*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.795 src/main/decaf/util/AbstractMap.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/util/Iterator.h>
#include <decaf/util/Map.h>
#include <decaf/util/Set.h>
#include <memory>
```

Data Structures

- class **decaf::util::AbstractMap< K, V, COMPARATOR >**

  *This class provides a skeletal implementation of the **Map*** (p. 2538) *interface, to minimize the effort required to implement this interface.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.796 src/main/decaf/util/AbstractQueue.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/exceptions/IllegalStateException.h>
#include <decaf/lang/Iterable.h>
#include <decaf/util/Iterator.h>
#include <decaf/util/Queue.h>
#include <memory>
```

Data Structures

- class **decaf::util::AbstractQueue< E >**

  *This class provides skeletal implementations of some **Queue** (p. 3239) operations.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.797 src/main/decaf/util/AbstractSequentialList.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/Iterable.h>
#include <decaf/util/Iterator.h>
#include <decaf/util/AbstractList.h>
#include <memory>
```

Data Structures

- class **decaf::util::AbstractSequentialList< E >**

  *This class provides a skeletal implementation of the **List** (p. 2409) interface to minimize the effort required to implement this interface backed by a "sequential access" data store (such as a linked list).*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.798 src/main/decaf/util/AbstractSet.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/Iterable.h>
#include <decaf/util/Iterator.h>
#include <decaf/util/Set.h>
#include <memory>
```

Data Structures

- class **decaf::util::AbstractSet**< **E** >

  *This class provides a skeletal implementation of the **Set** (p. 3538) interface to minimize the effort required to implement this interface.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.799 src/main/decaf/util/Collection.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/Iterable.h>
#include <decaf/util/Iterator.h>
#include <decaf/util/concurrent/Synchronizable.h>
```

Data Structures

- class **decaf::util::Collection**< **E** >

The root interface in the collection hierarchy.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.800 src/main/decaf/util/Comparator.h File Reference

```
#include <decaf/util/Config.h>
#include <algorithm>
#include <functional>
```

Data Structures

- class **decaf::util::Comparator**< **T** >

  A comparison function, which imposes a total ordering on some collection of objects.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.801 src/main/decaf/util/comparators/Less.h File Reference

```
#include <decaf/util/Comparator.h>
```

Data Structures

- class **decaf::util::comparators::Less**< **E** >

  *Simple **Less** (p. 2399) **Comparator** (p. 1251) that compares to elements to determine if the first is less than the second.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::comparators**

7.802 src/main/decaf/util/concurrent/atomic/AtomicBoolean.h File Reference

```
#include <string>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::concurrent::atomic::AtomicBoolean**

  A boolean value that may be updated atomically.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**
- namespace **decaf::util::concurrent::atomic**

7.803 src/main/decaf/util/concurrent/atomic/AtomicInteger.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Number.h>
#include <string>
```

Data Structures

- class **decaf::util::concurrent::atomic::AtomicInteger**

An int value that may be updated atomically.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**
- namespace **decaf::util::concurrent::atomic**

7.804 src/main/decaf/util/concurrent/atomic/AtomicRefCounter.h File Reference

```
#include <decaf/util/concurrent/atomic/AtomicInteger.h>
```

Data Structures

- class **decaf::util::concurrent::atomic::AtomicRefCounter**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**
- namespace **decaf::util::concurrent::atomic**

7.805 src/main/decaf/util/concurrent/atomic/AtomicReference.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Long.h>
#include <apr_atomic.h>
```

Data Structures

- class **decaf::util::concurrent::atomic::AtomicReference**< **T** >

  An Pointer reference that may be updated atomically.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**
- namespace **decaf::util::concurrent::atomic**

7.806 src/main/decaf/util/concurrent/BlockingQueue.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/AbstractQueue.h>
#include <decaf/util/concurrent/TimeUnit.h>
#include <decaf/lang/exceptions/InterruptedException.h>
```

Data Structures

- class **decaf::util::concurrent::BlockingQueue**< **E** >

  *A **decaf::util::Queue*** (p. *3239*) *that additionally supports operations that wait for the queue to become non-empty when retrieving an element, and wait for space to become available in the queue when storing an element.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.807 src/main/decaf/util/concurrent/BrokenBarrierException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::util::concurrent::BrokenBarrierException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.808 src/main/decaf/util/concurrent/Callable.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::util::concurrent::Callable**< **V** >

  A task that returns a result and may throw an exception.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.809 src/main/decaf/util/concurrent/CancellationException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::util::concurrent::CancellationException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.810 src/main/decaf/util/concurrent/Concurrent.h File Reference

```
#include <decaf/util/concurrent/Lock.h>
```

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

Defines

- #define **WAIT_INFINITE** 0xFFFFFFFF

  The synchronized macro defines a mechanism for synchronizing a section of code.

- #define **synchronized**(W)

7.810.1 Define Documentation

7.810.1.1 #define synchronized(*W*)

Value:

```
if(false){}                                                     \
        else                                                    \
        for( decaf::util::concurrent::Lock lock_W(W);           \
             lock_W.isLocked(); lock_W.unlock() )
```

7.810.1.2 #define WAIT_INFINITE 0xFFFFFFFF

The synchronized macro defines a mechanism for synchronizing a section of code.

The macro must be passed an object that implements the Synchronizable interface.

The macro works by creating a for loop that will loop exactly once, creating a Lock object that is scoped to the loop. Once the loop completes and exits the Lock object goes out of scope releasing the lock on object W. For added safety the if else is used because not all compiles restrict the lifetime of loop variables to the loop, they will however restrict them to the scope of the else.

The macro would be used as follows.

Synchronizable X;

somefunction() { **synchronized(X)** (p. 4713) { // Do something that needs synchronizing. } }

7.811 src/main/decaf/util/concurrent/ConcurrentMap.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/Map.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/lang/exceptions/IllegalStateException.h>
```

Data Structures

- class **decaf::util::concurrent::ConcurrentMap< K, V, COMPARATOR >**

  *Interface for a **Map** (p. 2538) type that provides additional atomic putIfAbsent, remove, and replace methods alongside the already available **Map** (p. 2538) interface.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.812 src/main/decaf/util/concurrent/ConcurrentStlMap.h File Reference

```
#include <map>
#include <vector>
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/util/concurrent/ConcurrentMap.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/Map.h>
```

Data Structures

- class **decaf::util::concurrent::ConcurrentStlMap< K, V, COMPARATOR >**

  Map *(p. 2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.813 src/main/decaf/util/concurrent/CountDownLatch.h File Reference

```
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/concurrent/TimeUnit.h>
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/InterruptedException.h>
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::util::concurrent::CountDownLatch**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.814 src/main/decaf/util/concurrent/Delayed.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <decaf/util/concurrent/TimeUnit.h>
```

Data Structures

- class **decaf::util::concurrent::Delayed**

  A mix-in style interface for marking objects that should be acted upon after a given delay.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.815 src/main/decaf/util/concurrent/ExecutionException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::util::concurrent::ExecutionException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.816 src/main/decaf/util/concurrent/Executor.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Runnable.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/util/concurrent/RejectedExecutionException.h>
```

Data Structures

- class **decaf::util::concurrent::Executor**

  *An object that executes submitted **decaf.lang.Runnable*** (p. *3418*) *tasks.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.817 src/main/decaf/util/concurrent/ExecutorService.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/concurrent/Executor.h>
#include <decaf/util/concurrent/TimeUnit.h>
#include <decaf/lang/exceptions/InterruptedException.h>
```

Data Structures

- class **decaf::util::concurrent::ExecutorService**

  *An **Executor** (p. 1926) that provides methods to manage termination and methods that can produce a **Future** (p. 2029) for tracking progress of one or more asynchronous tasks.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.818 src/main/decaf/util/concurrent/Future.h File Reference

Data Structures

- class **decaf::util::concurrent::Future< V >**

  *A **Future** (p. 2029) represents the result of an asynchronous computation.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.819 src/main/decaf/util/concurrent/Lock.h File Reference

```
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::concurrent::Lock**

A wrapper class around a given synchronization mechanism that provides automatic release upon destruction.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.820 src/main/decaf/util/concurrent/locks/Lock.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/InterruptedException.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/util/concurrent/locks/Condition.h>
```

Data Structures

- class **decaf::util::concurrent::locks::Lock**

  Lock *(p. 2452) implementations provide more extensive locking operations than can be obtained using synchronized statements.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**
- namespace **decaf::util::concurrent::locks**

7.821 src/main/decaf/util/concurrent/locks/Condition.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/Date.h>
```

```
#include <decaf/util/concurrent/TimeUnit.h>
#include <decaf/lang/exceptions/RuntimeException.h>
#include <decaf/lang/exceptions/InterruptedException.h>
#include <decaf/lang/exceptions/IllegalMonitorStateException.h>
```

Data Structures

- class **decaf::util::concurrent::locks::Condition**

  Condition *(p. 1282) factors out the* ***Mutex*** *(p. 2866) monitor methods (wait, notify and notifyAll) into distinct objects to give the effect of having multiple wait-sets per object, by combining them with the use of arbitrary* ***Lock*** *(p. 2452) implementations.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**
- namespace **decaf::util::concurrent::locks**

7.822 src/main/decaf/util/concurrent/locks/LockSupport.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::concurrent::locks::LockSupport**

  Basic thread blocking primitives for creating locks and other synchronization classes.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::util**

- namespace **decaf::util::concurrent**
- namespace **decaf::util::concurrent::locks**

7.823 src/main/decaf/util/concurrent/locks/ReadWriteLock.h File Reference

Data Structures

- class **decaf::util::concurrent::locks::ReadWriteLock**

  *A **ReadWriteLock** (p. 3263) maintains a pair of associated locks, one for read-only operations and one for writing.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**
- namespace **decaf::util::concurrent::locks**

7.824 src/main/decaf/util/concurrent/locks/ReentrantLock.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/concurrent/locks/Lock.h>
#include <decaf/lang/Pointer.h>
```

Data Structures

- class **decaf::util::concurrent::locks::ReentrantLock**

  *A reentrant mutual exclusion **Lock** (p. 2452) with extended capabilities.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**
- namespace **decaf::util::concurrent::locks**

7.825 src/main/decaf/util/concurrent/Mutex.h File Reference

```
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/util/concurrent/Concurrent.h>
#include <decaf/lang/Thread.h>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::concurrent::Mutex**

  Mutex *(p. 2866) object that offers recursive support on all platforms as well as providing the ability to use the standard wait / notify pattern used in languages like Java.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.826 src/main/decaf/util/concurrent/PooledThread.h File Reference

```
#include <decaf/lang/Thread.h>
#include <decaf/util/concurrent/PooledThreadListener.h>
#include <decaf/util/logging/LoggerDefines.h>
#include <decaf/util/Config.h>
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::util::concurrent::PooledThread**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.827 src/main/decaf/util/concurrent/PooledThreadListener.h File Reference

```
#include <decaf/lang/Exception.h>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::concurrent::PooledThreadListener**

  Abstract Listener Interface for users of **`ThreadPool`** (p. 3888).

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.828 src/main/decaf/util/concurrent/RejectedExecutionException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::util::concurrent::RejectedExecutionException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.829 src/main/decaf/util/concurrent/RejectedExecutionHandler.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Runnable.h>
#include <decaf/util/concurrent/RejectedExecutionException.h>
```

Data Structures

- class **decaf::util::concurrent::RejectedExecutionHandler**

  *A handler for tasks that cannot be executed by a **ThreadPoolExecutor*** (p. **??**).

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.830 src/main/decaf/util/concurrent/Semaphore.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/InterruptedException.h>
#include <decaf/lang/exceptions/RuntimeException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/util/concurrent/TimeUnit.h>
#include <memory>
```

Data Structures

- class **decaf::util::concurrent::Semaphore**

  A counting semaphore.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.831 src/main/decaf/util/concurrent/Synchronizable.h File Reference

```
#include <decaf/lang/exceptions/RuntimeException.h>
#include <decaf/lang/exceptions/InterruptedException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/exceptions/IllegalMonitorStateException.h>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::concurrent::Synchronizable**

  The interface for all synchronizable objects (that is, objects that can be locked and unlocked).

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.832 src/main/decaf/util/concurrent/SynchronousQueue.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/concurrent/BlockingQueue.h>
#include <vector>
```

Data Structures

- class **decaf::util::concurrent::SynchronousQueue< E >**

  *A **blocking queue*** (p. *848) in which each insert operation must wait for a corresponding remove operation by another thread, and vice versa.*

- class **decaf::util::concurrent::SynchronousQueue< E >::EmptyIterator**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.833 src/main/decaf/util/concurrent/TaskListener.h File Reference

```
#include <decaf/lang/Runnable.h>
#include <decaf/lang/Exception.h>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::concurrent::TaskListener**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.834 src/main/decaf/util/concurrent/ThreadFactory.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::concurrent::ThreadFactory**

  public interface ***ThreadFactory*** *(p. 3887)*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.835 src/main/decaf/util/concurrent/ThreadPool.h File Reference

```
#include <decaf/lang/Runnable.h>
#include <decaf/util/concurrent/PooledThread.h>
#include <decaf/util/concurrent/PooledThreadListener.h>
#include <decaf/util/concurrent/TaskListener.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/StlQueue.h>
#include <decaf/util/logging/LoggerDefines.h>
#include <decaf/util/Config.h>
#include <vector>
```

Data Structures

- class **decaf::util::concurrent::ThreadPool**

  Defines a Thread Pool object that implements the functionality of pooling threads to perform user tasks.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.836 src/main/decaf/util/concurrent/TimeoutException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::util::concurrent::TimeoutException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.837 src/main/decaf/util/concurrent/TimeUnit.h File Reference

```
#include <string>
#include <decaf/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/exceptions/InterruptedException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
```

Data Structures

- class **decaf::util::concurrent::TimeUnit**

*A **TimeUnit** (p. 3919) represents time durations at a given unit of granularity and provides utility methods to convert across units, and to perform timing and delay operations in these units.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::util**
- namespace **decaf::util::concurrent**

7.838 src/main/decaf/util/Date.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <string>
```

Data Structures

- class **decaf::util::Date**

  Wrapper class around a time value in milliseconds.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.839 src/main/decaf/util/Iterator.h File Reference

```
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/lang/exceptions/IllegalStateException.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
```

Data Structures

- class **decaf::util::Iterator< T >**

  Defines an object that can be used to iterate over the elements of a collection.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.840 src/main/decaf/util/List.h File Reference

```
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/util/Config.h>
#include <decaf/util/Iterator.h>
#include <decaf/util/AbstractCollection.h>
#include <decaf/util/ListIterator.h>
```

Data Structures

- class **decaf::util::List< E >**

  An ordered collection (also known as a sequence).

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.841 src/main/decaf/util/ListIterator.h File Reference

```
#include <decaf/util/Iterator.h>
```

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
```

Data Structures

- class **decaf::util::ListIterator< E >**

  An iterator for lists that allows the programmer to traverse the list in either direction, modify the list during iteration, and obtain the iterator's current position in the list.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.842 src/main/decaf/util/logging/ConsoleHandler.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/logging/StreamHandler.h>
#include <decaf/util/logging/SimpleFormatter.h>
#include <decaf/io/IOException.h>
#include <decaf/internal/io/StandardErrorOutputStream.h>
```

Data Structures

- class **decaf::util::logging::ConsoleHandler**

  *This **Handler** (p. 2042) publishes log records to System.err.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.843 src/main/decaf/util/logging/ErrorManager.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Exception.h>
#include <decaf/util/concurrent/atomic/AtomicBoolean.h>
#include <string>
```

Data Structures

- class **decaf::util::logging::ErrorManager**

  ErrorManager *(p. 1884) objects can be attached to Handlers to process any error that occur on a* ***Handler*** *(p. 2042) during Logging.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.844 src/main/decaf/util/logging/Filter.h File Reference

```
#include <decaf/util/logging/LogRecord.h>
```

Data Structures

- class **decaf::util::logging::Filter**

  A ***Filter*** *(p. 1949) can be used to provide fine grain control over what is logged, beyond the control provided by log levels.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.845 src/main/decaf/util/logging/Formatter.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/logging/Handler.h>
```

Data Structures

- class **decaf::util::logging::Formatter**

  *A **Formatter** (p. 2027) provides support for formatting LogRecords.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.846 src/main/decaf/util/logging/Handler.h File Reference

```
#include <decaf/io/Closeable.h>
#include <decaf/lang/Exception.h>
#include <decaf/util/logging/LogRecord.h>
#include <decaf/util/logging/Level.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <string>
```

Data Structures

- class **decaf::util::logging::Handler**

  *A **Handler** (p. 2042) object takes log messages from a **Logger** (p. 2461) and exports them.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.847 src/main/decaf/util/logging/Level.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
```

Data Structures

- class **decaf::util::logging::Level**

  *The **Level** (p. 2403) class defines a set of standard logging levels that can be used to control logging output.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.848 src/main/decaf/util/logging/Logger.h File Reference

```
#include <decaf/util/logging/LoggerCommon.h>
#include <decaf/util/logging/LogRecord.h>
#include <decaf/util/logging/LogManager.h>
#include <decaf/util/logging/Handler.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <list>
#include <string>
#include <stdarg.h>
```

Data Structures

- class **decaf::util::logging::Logger**

  *A **Logger** (p. 2461) object is used to log messages for a specific system or application component.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.849 src/main/decaf/util/logging/LoggerCommon.h File Reference

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

Enumerations

- enum **decaf::util::logging::Levels** {

  decaf::util::logging::Off, **decaf::util::logging::Null**, **decaf::util::logging::Markblock**, **decaf::util::logging::Debug**,

  decaf::util::logging::Info, **decaf::util::logging::Warn**, **decaf::util::logging::Error**, **decaf::util::logging::Fatal**,

  decaf::util::logging::Throwing }

  Defines an enumeration for logging levels.

7.850 src/main/decaf/util/logging/LoggerDefines.h File Reference

```
#include <decaf/util/logging/SimpleLogger.h>
#include <sstream>
```

Defines

- #define **LOGDECAF_DECLARE**(loggerName) static **decaf::util::logging::SimpleLogger** loggerName;
- #define **LOGDECAF_INITIALIZE**(loggerName, className, loggerFamily) **decaf::util::logging::SimpleLogger** className::loggerName(loggerFamily);
- #define **LOGDECAF_DECLARE_LOCAL**(loggerName) **decaf::util::logging::Logger** loggerName;
- #define **LOGDECAF_DEBUG**(logger, message) logger.debug(__FILE__, __LINE__, message);
- #define **LOGDECAF_DEBUG_1**(logger, message, value)
- #define **LOGDECAF_INFO**(logger, message) logger.info(__FILE__, __LINE__, message);
- #define **LOGDECAF_ERROR**(logger, message) logger.error(__FILE__, __LINE__, message);
- #define **LOGDECAF_WARN**(logger, message) logger.warn(__FILE__, __LINE__, message);
- #define **LOGDECAF_FATAL**(logger, message) logger.fatal(__FILE__, __LINE__, message);

7.850.1 Define Documentation

7.850.1.1 #define LOGDECAF_DEBUG(*logger, message*) logger.debug(__FILE__, __LINE__, message);

7.850.1.2 #define LOGDECAF_DEBUG_1(*logger, message, value*)

Value:

```
;                                   \
   {                                                                    \
      std::ostringstream ostream;                                       \
      ostream << message << value;                                      \
      logger.debug(__FILE__, __LINE__, ostream.str());                  \
   }
```

7.850.1.3 #define LOGDECAF_DECLARE(*loggerName*) static **decaf::util::logging::SimpleLogger** loggerName;

7.850.1.4 #define LOGDECAF_DECLARE_LOCAL(*loggerName*) **decaf::util::logging::Logger** loggerName;

7.850.1.5 #define LOGDECAF_ERROR(*logger, message*) logger.error(__FILE__, __LINE__, message);

7.850.1.6 #define LOGDECAF_FATAL(*logger, message*) logger.fatal(__FILE__, __LINE__, message);

7.850.1.7 #define LOGDECAF_INFO(*logger, message*) logger.info(__FILE__, __LINE__, message);

7.850.1.8 #define LOGDECAF_INITIALIZE(*loggerName, className, loggerFamily*) **decaf::util::logging::SimpleLogger** className::loggerName(loggerFamily);

7.850.1.9 #define LOGDECAF_WARN(*logger, message*) logger.warn(__FILE__, __LINE__, message);

7.851 src/main/decaf/util/logging/LoggerHierarchy.h File Reference

Data Structures

- class **decaf::util::logging::LoggerHierarchy**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.852 src/main/decaf/util/logging/LogManager.h File Reference

```
#include <map>
#include <list>
#include <string>
#include <vector>
#include <decaf/lang/Pointer.h>
#include <decaf/util/Properties.h>
```

```
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/Config.h>
#include <decaf/io/IOException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
```

Data Structures

- class **decaf::util::logging::LogManager**

  *There is a single global **LogManager** (p. 2480) object that is used to maintain a set of shared state about Loggers and log services.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::lang**
- namespace **decaf::io**
- namespace **decaf::util**
- namespace **decaf::util::logging**

7.853 src/main/decaf/util/logging/LogRecord.h File Reference

```
#include <decaf/lang/Throwable.h>
#include <decaf/util/logging/LoggerCommon.h>
#include <decaf/util/logging/Level.h>
#include <decaf/util/Config.h>
#include <memory>
#include <string>
```

Data Structures

- class **decaf::util::logging::LogRecord**

  ***LogRecord** (p. 2487) objects are used to pass logging requests between the logging framework and individual log Handlers.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.854 src/main/decaf/util/logging/LogWriter.h File Reference

```
#include <decaf/util/concurrent/Mutex.h>
```

Data Structures

- class **decaf::util::logging::LogWriter**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.855 src/main/decaf/util/logging/MarkBlockLogger.h File Reference

```
#include <decaf/util/logging/Logger.h>
```

Data Structures

- class **decaf::util::logging::MarkBlockLogger**

  Defines a class that can be used to mark the entry and exit from scoped blocks.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.856 src/main/decaf/util/logging/PropertiesChangeListener.h File Reference

```
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::logging::PropertiesChangeListener**

  *Defines the interface that classes can use to listen for change events on **Properties*** (p. *3216*).

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.857 src/main/decaf/util/logging/SimpleFormatter.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/logging/Formatter.h>
#include <string>
```

Data Structures

- class **decaf::util::logging::SimpleFormatter**

  *Print a brief summary of the **LogRecord*** (p. *2487*) *in a human readable format.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.858 src/main/decaf/util/logging/SimpleLogger.h File Reference

```
#include <string>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::logging::SimpleLogger**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.859 src/main/decaf/util/logging/StreamHandler.h File Reference

```
#include <decaf/util/logging/LoggerCommon.h>
#include <decaf/util/logging/Handler.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/InvalidStateException.h>
#include <decaf/util/concurrent/Concurrent.h>
#include <decaf/util/Config.h>
```

Data Structures

- class **decaf::util::logging::StreamHandler**

  *Stream based logging **Handler** (p. 2042).*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**
- namespace **decaf::util**
- namespace **decaf::util::logging**

7.860 src/main/decaf/util/logging/XMLFormatter.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/logging/Formatter.h>
#include <decaf/util/logging/LogRecord.h>
```

Data Structures

- class **decaf::util::logging::XMLFormatter**

  *Format a **LogRecord** (p. 2487) into a standard XML format.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::logging**

7.861 src/main/decaf/util/Map.h File Reference

```
#include <functional>
#include <vector>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/util/concurrent/Mutex.h>
```

Data Structures

- class **decaf::util::Map< K, V, COMPARATOR >**

  ***Map** (p. 2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map.*

- class **decaf::util::Map< K, V, COMPARATOR >::Entry**

Namespaces

- namespace **decaf**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.862 src/main/decaf/util/PriorityQueue.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/Collection.h>
#include <decaf/util/AbstractQueue.h>
#include <decaf/util/Iterator.h>
#include <decaf/util/Comparator.h>
#include <decaf/util/comparators/Less.h>
#include <decaf/lang/Math.h>
#include <decaf/lang/Pointer.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <memory>
```

Data Structures

- class **decaf::util::PriorityQueue< E >**

  An unbounded priority queue based on a binary heap algorithm.

- class **decaf::util::PriorityQueue< E >::PriorityQueueIterator**
- class **decaf::util::PriorityQueue< E >::ConstPriorityQueueIterator**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.863 src/main/decaf/util/Properties.h File Reference

```
#include <vector>
#include <string>
```

```
#include <decaf/util/Config.h>
#include <decaf/util/StlMap.h>
#include <decaf/io/InputStream.h>
#include <decaf/io/OutputStream.h>
#include <decaf/lang/Pointer.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::util::Properties**

  Java-like properties class for mapping string names to string values.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::io**
- namespace **decaf::util**

7.864 src/main/decaf/util/Random.h File Reference

```
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/util/Config.h>
#include <vector>
#include <cmath>
```

Data Structures

- class **decaf::util::Random**

  Random (p. *3245*) *Value Generator which is used to generate a stream of pseudorandom numbers.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.865 src/main/decaf/util/Set.h File Reference

```
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/Iterator.h>
#include <decaf/util/AbstractCollection.h>
```

Data Structures

- class **decaf::util::Set**< **E** >

  A collection that contains no duplicate elements.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.866 src/main/decaf/util/StlList.h File Reference

```
#include <list>
#include <algorithm>
#include <memory>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <decaf/util/concurrent/Synchronizable.h>
```

```
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/Config.h>
#include <decaf/util/Iterator.h>
#include <decaf/util/ListIterator.h>
#include <decaf/util/List.h>
```

Data Structures

- class **decaf::util::StlList< E >**

  List *(p. 2409) class that wraps the STL list object to provide a simpler interface and additional methods not provided by the STL type.*

- class **decaf::util::StlList< E >::StlListIterator**
- class **decaf::util::StlList< E >::ConstStlListIterator**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.867 src/main/decaf/util/StlMap.h File Reference

```
#include <map>
#include <vector>
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/util/Map.h>
```

Data Structures

- class **decaf::util::StlMap< K, V, COMPARATOR >**

  Map *(p. 2538) template that wraps around a std::map to provide a more user-friendly interface and to provide common functions that do not exist in std::map.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.868 src/main/decaf/util/StlQueue.h File Reference

```
#include <list>
#include <vector>
#include <decaf/util/Iterator.h>
#include <decaf/util/concurrent/Mutex.h>
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::util::StlQueue< T >**

  *The **Queue*** (p. *3239) class accepts messages with an psuh(m) command where m is the message to be queued.*

- class **decaf::util::StlQueue< T >::QueueIterator**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.869 src/main/decaf/util/StlSet.h File Reference

```
#include <set>
#include <vector>
#include <memory>
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/util/concurrent/Synchronizable.h>
#include <decaf/util/concurrent/Mutex.h>
```

```
#include <decaf/util/Iterator.h>
#include <decaf/util/AbstractSet.h>
```

Data Structures

- class **decaf::util::StlSet< E >**

  Set *(p. 3538) template that wraps around a std::set to provide a more user-friendly interface and to provide common functions that do not exist in std::set.*

- class **decaf::util::StlSet< E >::SetIterator**
- class **decaf::util::StlSet< E >::ConstSetIterator**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.870 src/main/decaf/util/StringTokenizer.h File Reference

```
#include <decaf/lang/exceptions/NoSuchElementException.h>
#include <decaf/util/Config.h>
#include <string>
```

Data Structures

- class **decaf::util::StringTokenizer**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.871 src/main/decaf/util/Timer.h File Reference

```
#include <memory>
```

```
#include <decaf/util/Config.h>
#include <decaf/util/Date.h>
#include <decaf/lang/Pointer.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalStateException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
```

Data Structures

- class **decaf::util::Timer**

  A facility for threads to schedule tasks for future execution in a background thread.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.872 src/main/decaf/util/TimerTask.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Runnable.h>
#include <decaf/util/concurrent/Mutex.h>
```

Data Structures

- class **decaf::util::TimerTask**

  *A Base class for a task object that can be scheduled for one-time or repeated execution by a **Timer*** (p. 3901).

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::internal**

- namespace **decaf::internal::util**
- namespace **decaf::util**

7.873 src/main/decaf/util/UUID.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/Comparable.h>
#include <decaf/lang/exceptions/UnsupportedOperationException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <apr_uuid.h>
#include <string>
```

Data Structures

- class **decaf::util::UUID**

  *A class that represents an immutable universally unique identifier (**UUID** (p. 4080)).*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**

7.874 src/main/decaf/util/zip/Adler32.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/zip/Checksum.h>
```

Data Structures

- class **decaf::util::zip::Adler32**

  *Clas that can be used to compute an Adler-32 **Checksum** (p. 1174) for a data stream.*

Namespaces

- namespace **decaf**

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::zip**

7.875 src/main/decaf/util/zip/CheckedInputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/zip/Checksum.h>
#include <decaf/io/FilterInputStream.h>
```

Data Structures

- class **decaf::util::zip::CheckedInputStream**

  *An implementation of a FilterInputStream that will maintain a **Checksum** (p. 1174) of the bytes read, the **Checksum** (p. 1174) can then be used to verify the integrity of the input stream.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::zip**

7.876 src/main/decaf/util/zip/CheckedOutputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/zip/Checksum.h>
#include <decaf/io/FilterOutputStream.h>
```

Data Structures

- class **decaf::util::zip::CheckedOutputStream**

  *An implementation of a FilterOutputStream that will maintain a **Checksum** (p. 1174) of the bytes written, the **Checksum** (p. 1174) can then be used to verify the integrity of the output stream.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::zip**

7.877 src/main/decaf/util/zip/Checksum.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <vector>
```

Data Structures

- class **decaf::util::zip::Checksum**

  *An interface used to represent **Checksum*** (p. *1174) values in the Zip package.*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::zip**

7.878 src/main/decaf/util/zip/CRC32.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/util/zip/Checksum.h>
```

Data Structures

- class **decaf::util::zip::CRC32**

  Class that can be used to compute a CRC-32 checksum for a data stream.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::zip**

7.879 src/main/decaf/util/zip/DataFormatException.h File Reference

```
#include <decaf/lang/Exception.h>
```

Data Structures

- class **decaf::util::zip::DataFormatException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::zip**

7.880 src/main/decaf/util/zip/Deflater.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/exceptions/IllegalStateException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
#include <vector>
```

Data Structures

- class **decaf::util::zip::Deflater**

  This class compresses data using the DEFLATE algorithm (see `specification`*).*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::zip**

7.881 src/main/decaf/util/zip/DeflaterOutputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/FilterOutputStream.h>
#include <decaf/io/IOException.h>
#include <decaf/util/zip/Deflater.h>
#include <vector>
```

Data Structures

- class **decaf::util::zip::DeflaterOutputStream**

  Provides a FilterOutputStream instance that compresses the data before writing it to the wrapped OutputStream.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::zip**

7.882 src/main/decaf/util/zip/Inflater.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/lang/exceptions/NullPointerException.h>
#include <decaf/lang/exceptions/IllegalArgumentException.h>
#include <decaf/lang/exceptions/IllegalStateException.h>
#include <decaf/lang/exceptions/IndexOutOfBoundsException.h>
```

```
#include <decaf/util/zip/DataFormatException.h>
#include <vector>
```

Data Structures

- class **decaf::util::zip::Inflater**

  This class uncompresses data that was compressed using the DEFLATE algorithm (see `specification`*).*

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::zip**

7.883 src/main/decaf/util/zip/InflaterInputStream.h File Reference

```
#include <decaf/util/Config.h>
#include <decaf/io/FilterInputStream.h>
#include <decaf/io/IOException.h>
#include <decaf/util/zip/Inflater.h>
#include <vector>
```

Data Structures

- class **decaf::util::zip::InflaterInputStream**

  A FilterInputStream that decompresses data read from the wrapped InputStream instance.

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::zip**

7.884 src/main/decaf/util/zip/ZipException.h File Reference

```
#include <decaf/io/IOException.h>
```

Data Structures

- class **decaf::util::zip::ZipException**

Namespaces

- namespace **decaf**

  Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements.

- namespace **decaf::util**
- namespace **decaf::util::zip**

Index

~AbstractCollection
decaf::util::AbstractCollection, 162
~AbstractList
decaf::util::AbstractList, 174
~AbstractMap
decaf::util::AbstractMap, 175
~AbstractQueue
decaf::util::AbstractQueue, 177
~AbstractSequentialList
decaf::util::AbstractSequentialList, 180
~AbstractSet
decaf::util::AbstractSet, 181
~AbstractTransportFactory
activemq::transport::AbstractTransportFactory, 183
~ActiveMQAckHandler
activemq::core::ActiveMQAckHandler, 184
~ActiveMQBlobMessage
activemq::commands::ActiveMQBlobMessage, 186
~ActiveMQBlobMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller, 195
activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller, 203
activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller, 191
activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller, 199
activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller, 208
activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller, 212
~ActiveMQBytesMessage
activemq::commands::ActiveMQBytesMessage, 219
~ActiveMQBytesMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller, 240
activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller, 257
activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller, 236
activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller, 244
activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller, 249
activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller, 253
~ActiveMQCPP
activemq::library::ActiveMQCPP, 311
~ActiveMQConnection
activemq::core::ActiveMQConnection, 266
~ActiveMQConnectionFactory
activemq::core::ActiveMQConnectionFactory, 284
~ActiveMQConnectionMetaData
activemq::core::ActiveMQConnectionMetaData, 294
~ActiveMQConsumer
activemq::core::ActiveMQConsumer, 303
~ActiveMQDestination
activemq::commands::ActiveMQDestination, 315
~ActiveMQDestinationMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller, 329
activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller, 341
activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller, 325
activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller, 333
activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller, 337
activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller, 345
~ActiveMQException
activemq::exceptions::ActiveMQException,

349
~ActiveMQMapMessage
activemq::commands::ActiveMQMapMessage, 353
~ActiveMQMapMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller, 370
activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller, 383
activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller, 366
activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller, 374
activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller, 378
activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller, 387
~ActiveMQMessage
activemq::commands::ActiveMQMessage, 391
~ActiveMQMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller, 398
activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller, 411
activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller, 394
activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller, 402
activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller, 407
activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller, 415
~ActiveMQMessageTemplate
activemq::commands::ActiveMQMessageTemplate, 422
~ActiveMQObjectMessage
activemq::commands::ActiveMQObjectMessage, 439
~ActiveMQObjectMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller, 446
activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller, 459
activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller, 442
activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller, 450
activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller, 454
activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller, 463
~ActiveMQProducer
activemq::core::ActiveMQProducer, 468
~ActiveMQProperties
activemq::commands::ActiveMQProperties, 476
~ActiveMQQueue
activemq::commands::ActiveMQQueue, 480
~ActiveMQQueueBrowserMessageMarshaller,
activemq::core::ActiveMQQueueBrowser, 484
~ActiveMQQueueMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller, 492
activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller, 505
activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller, 488
activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller, 496
activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller, 501
activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller, 509
~ActiveMQSessionMessageMarshaller,
activemq::core::ActiveMQSession, 517
~ActiveMQSessionMessageMarshaller,
activemq::core::ActiveMQSessionExecutor, 523
~ActiveMQStreamMessage
activemq::commands::ActiveMQStreamMessage, 539
~ActiveMQStreamMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller, 558
activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller, 571
activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller, 554
activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller, 563
activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller, 567
activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller, 575
~ActiveMQTempDestinationMarshaller,
activemq::commands::ActiveMQTempDestination, 580
~ActiveMQTempDestinationMarshaller

activemq::wireformat::openwire::marshal::v1::ActiveMQTemporaryDestinationMarshaller, 588
activemq::wireformat::openwire::marshal::v2::ActiveMQTemporaryDestinationMarshaller, 600
activemq::wireformat::openwire::marshal::v3::ActiveMQTemporaryDestinationMarshaller, 584
activemq::wireformat::openwire::marshal::v4::ActiveMQTemporaryDestinationMarshaller, 592
activemq::wireformat::openwire::marshal::v5::ActiveMQTemporaryDestinationMarshaller, 596
activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryDestinationMarshaller, 604
~ActiveMQTempQueue
activemq::commands::ActiveMQTempQueue, 608
~ActiveMQTempQueueMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQTemporaryQueueMarshaller, 616
activemq::wireformat::openwire::marshal::v2::ActiveMQTemporaryQueueMarshaller, 629
activemq::wireformat::openwire::marshal::v3::ActiveMQTemporaryQueueMarshaller, 612
activemq::wireformat::openwire::marshal::v4::ActiveMQTemporaryQueueMarshaller, 621
activemq::wireformat::openwire::marshal::v5::ActiveMQTemporaryQueueMarshaller, 625
activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryQueueMarshaller, 633
~ActiveMQTempTopic
activemq::commands::ActiveMQTempTopic, 638
~ActiveMQTempTopicMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQTemporaryTopicMarshaller, 651
activemq::wireformat::openwire::marshal::v2::ActiveMQTemporaryTopicMarshaller, 659
activemq::wireformat::openwire::marshal::v3::ActiveMQTemporaryTopicMarshaller, 642
activemq::wireformat::openwire::marshal::v4::ActiveMQTemporaryTopicMarshaller, 646
activemq::wireformat::openwire::marshal::v5::ActiveMQTemporaryTopicMarshaller, 655
activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryTopicMarshaller, 663
~ActiveMQTextMessage
activemq::commands::ActiveMQTextMessage, 668
~ActiveMQTextMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller, 681
activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller, 694
activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller, 673
activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller, 677
activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller, 685
activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller, 690
~ActiveMQTopic
activemq::commands::ActiveMQTopic, 698
~ActiveMQTopicMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller, 711
activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller, 724
activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller, 702
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller, 707
activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller, 715
activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller, 719
~ActiveMQTransactionContext
activemq::core::ActiveMQTransactionContext, 728
~Adler32
decaf::util::zip::Adler32, 731
~Appendable
decaf::lang::Appendable, 734
~AprPool
decaf::internal::AprPool, 736
~ArrayPointer
decaf::lang::ArrayPointer, 740
~AtomicBoolean
decaf::util::concurrent::atomic::AtomicBoolean, 746
~AtomicInteger
decaf::util::concurrent::atomic::AtomicInteger, 750
~AtomicRefCounter
decaf::util::concurrent::atomic::AtomicRefCounter, 755
~AtomicReference
decaf::util::concurrent::atomic::AtomicReference, 757
~BackupTransport

activemq::transport::failover::BackupTransport, 760
~BackupTransportPool
activemq::transport::failover::BackupTransportPool, 763
~BaseCommand
activemq::commands::BaseCommand, 766
~BaseCommandMarshaller
activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller, 787
activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller, 808
activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller, 772
activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller, 780
activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller, 794
activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller, 801
~BaseDataStreamMarshaller
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 820
~BaseDataStructure
activemq::commands::BaseDataStructure, 838
~BindException
decaf::net::BindException, 844
~BlockingByteArrayInputStream
decaf::io::BlockingByteArrayInputStream, 846
~BlockingQueue
decaf::util::concurrent::BlockingQueue, 852
~Boolean
decaf::lang::Boolean, 857
~BooleanExpression
activemq::commands::BooleanExpression, 862
~BooleanStream
activemq::wireformat::openwire::utils::BooleanStream, 864
~BrokenBarrierException
decaf::util::concurrent::BrokenBarrierException, 868
~BrokerError
activemq::commands::BrokerError, 870
~BrokerException
activemq::exceptions::BrokerException, 874
~BrokerId
activemq::commands::BrokerId, 876
~BrokerIdMarshaller
activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller, 887
activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller, 899
activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller, 879
activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller, 883
activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller, 891
activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller, 895
~BrokerInfo
activemq::commands::BrokerInfo, 904
~BrokerInfoMarshaller
activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller, 920
activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller, 933
activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller, 912
activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller, 916
activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller, 924
activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller, 929
~Buffer
decaf::nio::Buffer, 939
~BufferFactory
decaf::internal::nio::BufferFactory, 954
~BufferOverflowException
decaf::nio::BufferOverflowException, 966
~BufferUnderflowException
decaf::nio::BufferUnderflowException, 969
~BufferedInputStream
decaf::io::BufferedInputStream, 945
~BufferedOutputStream
decaf::io::BufferedOutputStream, 950
~Byte
decaf::lang::Byte, 972
~ByteArrayAdapter

decaf::internal::util::ByteArrayAdapter, 987
~ByteArrayBuffer
decaf::internal::nio::ByteArrayBuffer, 1019
~ByteArrayInputStream
decaf::io::ByteArrayInputStream, 1042
~ByteArrayOutputStream
decaf::io::ByteArrayOutputStream, 1048
~ByteBuffer
decaf::nio::ByteBuffer, 1056
~BytesMessage
cms::BytesMessage, 1083
~CMSException
cms::CMSException, 1192
~CMSExceptionSupport
activemq::util::CMSExceptionSupport, 1195
~CMSProperties
cms::CMSProperties, 1197
~CMSSecurityException
cms::CMSSecurityException, 1200
~CRC32
decaf::util::zip::CRC32, 1569
~CachedConsumer
activemq::cmsutil::CachedConsumer, 1099
~CachedProducer
activemq::cmsutil::CachedProducer, 1103
~Callable
decaf::util::concurrent::Callable, 1109
~CancellationException
decaf::util::concurrent::CancellationException, 1112
~Certificate
decaf::security::cert::Certificate, 1113
~CertificateEncodingException
decaf::security::cert::CertificateEncodingException, 1117
~CertificateException
decaf::security::cert::CertificateException, 1119
~CertificateExpiredException
decaf::security::cert::CertificateExpiredException, 1122
~CertificateNotYetValidException
decaf::security::cert::CertificateNotYetValidException, 1124
~CertificateParsingException
decaf::security::cert::CertificateParsingException, 1126
~CharArrayBuffer
decaf::internal::nio::CharArrayBuffer, 1141
~CharBuffer
decaf::nio::CharBuffer, 1152
~CharSequence
decaf::lang::CharSequence, 1168
~CheckedInputStream
decaf::util::zip::CheckedInputStream, 1171
~CheckedOutputStream
decaf::util::zip::CheckedOutputStream, 1173
~Checksum
decaf::util::zip::Checksum, 1175
~ClassCastException
decaf::lang::exceptions::ClassCastException, 1179
~CloseTransportsTask
activemq::transport::failover::CloseTransportsTask, 1182
~Closeable
cms::Closeable, 1180
decaf::io::Closeable, 1181
~CmsAccessor
activemq::cmsutil::CmsAccessor, 1185
~CmsDestinationAccessor
activemq::cmsutil::CmsDestinationAccessor, 1189
~CmsTemplate
activemq::cmsutil::CmsTemplate, 1205
~Collection
decaf::util::Collection, 1218
~Command
activemq::commands::Command, 1228
~CommandVisitor
activemq::state::CommandVisitor, 1235
~CommandVisitorAdapter
activemq::state::CommandVisitorAdapter, 1245
~Comparable
decaf::lang::Comparable, 1249
~Comparator
decaf::util::Comparator, 1252
~CompositeData
activemq::util::CompositeData, 1254
~CompositeTask
activemq::threads::CompositeTask, 1255

~CompositeTaskRunner
activemq::threads::CompositeTaskRunner, 1257
~CompositeTransport
activemq::transport::CompositeTransport, 1259
~ConcurrentMap
decaf::util::concurrent::ConcurrentMap, 1261
~ConcurrentStlMap
decaf::util::concurrent::ConcurrentStlMap, 1270
~Condition
decaf::util::concurrent::locks::Condition, 1285
~ConditionHandle
decaf::util::concurrent::ConditionHandle, 1291
~ConnectException
decaf::net::ConnectException, 1295
~Connection
cms::Connection, 1298
~ConnectionControl
activemq::commands::ConnectionControl, 1303
~ConnectionControlMarshaller
activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller, 1316
activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller, 1329
activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller, 1308
activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller, 1312
activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller, 1321
activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller, 1325
~ConnectionError
activemq::commands::ConnectionError, 1333
~ConnectionErrorMarshaller
activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller, 1350
activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller, 1337
activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller, 1341
activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller, 1346
activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller, 1354
activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller, 1358
~ConnectionFactory
cms::ConnectionFactory, 1362
~ConnectionId
activemq::commands::ConnectionId, 1366
~ConnectionIdMarshaller
activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller, 1382
activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller, 1370
activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller, 1374
activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller, 1378
activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller, 1386
activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller, 1390
~ConnectionInfo
activemq::commands::ConnectionInfo, 1395
~ConnectionInfoMarshaller
activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller, 1414
activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller, 1401
activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller, 1405
activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller, 1409
activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller, 1418
activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller, 1422
~ConnectionMetaData
cms::ConnectionMetaData, 1426
~ConnectionState
activemq::state::ConnectionState, 1431
~ConnectionStateTracker
activemq::state::ConnectionStateTracker, 1435
~ConsoleHandler
decaf::util::logging::ConsoleHandler, 1440
~ConsumerControl

activemq::commands::ConsumerControl, 1443
~ConsumerControlMarshaller
activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller, 1461
activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller, 1448
activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller, 1452
activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller, 1456
activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller, 1465
activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller, 1469
~ConsumerId
activemq::commands::ConsumerId, 1474
~ConsumerIdMarshaller
activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller, 1490
activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller, 1478
activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller, 1482
activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller, 1486
activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller, 1494
activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller, 1498
~ConsumerInfo
activemq::commands::ConsumerInfo, 1504
~ConsumerInfoMarshaller
activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller, 1524
activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller, 1511
activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller, 1515
activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller, 1519
activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller, 1528
activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller, 1532
~ConsumerState
activemq::state::ConsumerState, 1536
~ControlCommand
activemq::commands::ControlCommand, 1537
~ControlCommandMarshaller
activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller, 1553
activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller, 1541
activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller, 1545
activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller, 1549
activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller, 1558
activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller, 1562
~CountDownLatch
decaf::util::concurrent::CountDownLatch, 1566
~DataArrayResponseMarshaller,
activemq::commands::DataArrayResponse, 1573
~DataArrayResponseMarshaller
activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller, 1589
activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller, 1576
activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller, 1580
activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller, 1584
activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller, 1593
activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller, 1597
~DataFormatException,
decaf::util::zip::DataFormatException, 1602
~DataInput
decaf::io::DataInput, 1605
~DataInputStream
decaf::io::DataInputStream, 1615
~DataOutput
decaf::io::DataOutput, 1624
~DataOutputStream
decaf::io::DataOutputStream, 1630
~DataResponse
activemq::commands::DataResponse, 1633
~DataResponseMarshaller

activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller, 1657
activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller, 1644
activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller, 1649
activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller, 1653
activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller, 1636
activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller, 1640
~DataStreamMarshaller
activemq::wireformat::openwire::marshal::DataStreamMarshaller, 1661
~DataStructure
activemq::commands::DataStructure, 1714
~Date
decaf::util::Date, 1720
~DecafRuntime
decaf::internal::DecafRuntime, 1724
~DedicatedTaskRunner
activemq::threads::DedicatedTaskRunner, 1725
~DefaultPrefetchPolicy
activemq::core::policies::DefaultPrefetchPolicy, 1727
~DefaultRedeliveryPolicy
activemq::core::policies::DefaultRedeliveryPolicy, 1731
~DefaultSSLContext
decaf::internal::net::ssl::DefaultSSLContext, 1744
~DefaultSSLServerSocketFactory
decaf::internal::net::ssl::DefaultSSLServerSocketFactory, 1747
~DefaultSSLSocketFactory
decaf::internal::net::ssl::DefaultSSLSocketFactory, 1753
~DefaultServerSocketFactory
decaf::internal::net::DefaultServerSocketFactory, 1736
~DefaultSocketFactory
decaf::internal::net::DefaultSocketFactory, 1741
~DefaultTransportListener
activemq::transport::DefaultTransportListener, 1758
~Deflater
decaf::zlib::Deflater, 1762
~DeflaterOutputStream
decaf::zlib::DeflaterOutputStream, 1772
~Delayed
decaf::util::concurrent::Delayed, 1775
~DeliveryMode
cms::DeliveryMode, 1776
~Destination
cms::Destination, 1778
~DestinationInfo
activemq::commands::DestinationInfo, 1781
~DestinationInfoMarshaller
activemq::wireformat::openwire::marshal::v1::DestinationInfo 1798
activemq::wireformat::openwire::marshal::v2::DestinationInfo 1786
activemq::wireformat::openwire::marshal::v3::DestinationInfo 1790
activemq::wireformat::openwire::marshal::v4::DestinationInfo 1794
activemq::wireformat::openwire::marshal::v5::DestinationInfo 1807
activemq::wireformat::openwire::marshal::v6::DestinationInfo 1803
~DestinationResolver
activemq::cmsutil::DestinationResolver, 1811
~DiscoveryEvent
activemq::commands::DiscoveryEvent, 1813
~DiscoveryEventMarshaller
activemq::wireformat::openwire::marshal::v1::DiscoveryEven 1832
activemq::wireformat::openwire::marshal::v2::DiscoveryEven 1820
activemq::wireformat::openwire::marshal::v3::DiscoveryEven 1824
activemq::wireformat::openwire::marshal::v4::DiscoveryEven 1828
activemq::wireformat::openwire::marshal::v5::DiscoveryEven 1836
activemq::wireformat::openwire::marshal::v6::DiscoveryEven 1816
~Dispatcher
activemq::core::Dispatcher, 1841
~Double
decaf::lang::Double, 1844
~DoubleArrayBuffer

decaf::internal::nio::DoubleArrayBuffer, 1859
~DoubleBuffer
decaf::nio::DoubleBuffer, 1868
~DynamicDestinationResolver
activemq::cmsutil::DynamicDestinationResolver, 1879
~EOFException
decaf::io::EOFException, 1883
~Entry
decaf::util::Map::Entry, 1881
~ErrorManager
decaf::util::logging::ErrorManager, 1885
~Exception
decaf::lang::Exception, 1889
~ExceptionListener
cms::ExceptionListener, 1894
~ExceptionResponse
activemq::commands::ExceptionResponse, 1896
~ExceptionResponseMarshaller
activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller, 1920
activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller, 1903
activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller, 1907
activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller, 1916
activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller, 1912
activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller, 1899
~ExecutionException
decaf::util::concurrent::ExecutionException, 1925
~Executor
decaf::util::concurrent::Executor, 1928
~ExecutorService
decaf::util::concurrent::ExecutorService, 1929
~FailoverTransport
activemq::transport::failover::FailoverTransport, 1933
~FailoverTransportFactory
activemq::transport::failover::FailoverTransportFactory, 1944
~FailoverTransportListener
activemq::transport::failover::FailoverTransportListener, 1946
~FileDescriptor
decaf::io::FileDescriptor, 1948
~Filter
decaf::util::logging::Filter, 1950
~FilterInputStream
decaf::io::FilterInputStream, 1953
~FilterOutputStream
decaf::io::FilterOutputStream, 1959
~Float
decaf::lang::Float, 1964
~FloatArrayBuffer
decaf::internal::nio::FloatArrayBuffer, 1979
~FloatBuffer
decaf::nio::FloatBuffer, 1988
~FlushCommand
activemq::commands::FlushCommand, 2000
~FlushCommandMarshaller
activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller, 2020
activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller, 2007
activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller, 2011
activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller, 2016
activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller, 2024
activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller, 2003
~Flushable
decaf::io::Flushable, 1998
~Formatter
decaf::util::logging::Formatter, 2028
~Future
decaf::util::concurrent::Future, 2030
~FutureResponse
activemq::transport::correlator::FutureResponse, 2033
~GeneralSecurityException
decaf::security::GeneralSecurityException, 2036
~GenericResource
decaf::internal::util::GenericResource, 2038
~Handler
decaf::util::logging::Handler, 2043
~HexStringParser

decaf::internal::util::HexStringParser, 2047
~HexTable
activemq::wireformat::openwire::utils::HexTable, 2048
~HttpRetryException
decaf::net::HttpRetryException, 2051
~IOException
decaf::io::IOException, 2212
~IOTransport
activemq::transport::IOTransport, 2215
~IdGenerator
activemq::util::IdGenerator, 2053
~IllegalArgumentException
decaf::lang::exceptions::IllegalArgumentException, 2056
~IllegalMonitorStateException
decaf::lang::exceptions::IllegalMonitorStateException, 2059
~IllegalStateException
cms::IllegalStateException, 2060
decaf::lang::exceptions::IllegalStateException, 2062
~IllegalThreadStateException
decaf::lang::exceptions::IllegalThreadStateException, 2065
~InactivityMonitor
activemq::transport::inactivity::InactivityMonitor, 2067
~IndexOutOfBoundsException
decaf::lang::exceptions::IndexOutOfBoundsException, 2071
~Inet4Address
decaf::net::Inet4Address, 2073
~Inet6Address
decaf::net::Inet6Address, 2077
~InetAddress
decaf::net::InetAddress, 2080
~InetSocketAddress
decaf::net::InetSocketAddress, 2085
~Inflater
decaf::util::zip::Inflater, 2090
~InflaterInputStream
decaf::util::zip::InflaterInputStream, 2101
~InputStream
decaf::io::InputStream, 2107
~InputStreamReader
decaf::io::InputStreamReader, 2118
~IntArrayBuffer
decaf::internal::nio::IntArrayBuffer, 2125
~IntBuffer
decaf::nio::IntBuffer, 2133
~Integer
decaf::lang::Integer, 2146
~IntegerResponse
activemq::commands::IntegerResponse, 2161
~IntegerResponseMarshaller
activemq::wireformat::openwire::marshal::v1::IntegerRespons 2181
activemq::wireformat::openwire::marshal::v2::IntegerRespons 2168
activemq::wireformat::openwire::marshal::v3::IntegerRespons 2172
activemq::wireformat::openwire::marshal::v4::IntegerRespons 2177
activemq::wireformat::openwire::marshal::v5::IntegerRespons 2185,
activemq::wireformat::openwire::marshal::v6::IntegerRespons 2164
~InternalCommandListener
activemq::transport::mock::InternalCommandListener, 2193
~InterruptedException
decaf::lang::exceptions::InterruptedException, 2196
~InterruptedIOException
decaf::io::InterruptedIOException, 2198
~InvalidClientIdException
cms::InvalidClientIdException, 2200
~InvalidDestinationException
cms::InvalidDestinationException, 2201
~InvalidKeyException
decaf::security::InvalidKeyException, 2203
~InvalidMarkException
decaf::nio::InvalidMarkException, 2206
~InvalidSelectorException
cms::InvalidSelectorException, 2207
~InvalidStateException
decaf::lang::exceptions::InvalidStateException, 2210
~Iterable
decaf::lang::Iterable, 2221
~Iterator
decaf::util::Iterator, 2223
~JournalQueueAck
activemq::commands::JournalQueueAck, 2225
~JournalQueueAckMarshaller

activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller, 2249
activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller, 2233
activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller, 2241
activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller, 2245
activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller, 2237
activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller, 2229
~JournalTopicAck
activemq::commands::JournalTopicAck, 2253
~JournalTopicAckMarshaller
activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller, 2278
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller, 2262
activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller, 2266
activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller, 2274
activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller, 2258
activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller, 2270
~JournalTrace
activemq::commands::JournalTrace, 2282
~JournalTraceMarshaller
activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller, 2301
activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller, 2285
activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller, 2289
activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller, 2297
activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller, 2305
activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller, 2293
~JournalTransaction
activemq::commands::JournalTransaction, 2309
~JournalTransactionMarshaller
activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller, 2332
activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller, 2316
activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller, 2320
activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller, 2328
activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller, 2324
activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller, 2312
~KeepAliveInfo
activemq::commands::KeepAliveInfo, 2336
~KeepAliveInfoMarshaller
activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller, 2361
activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller, 2344
activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller, 2348
activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller, 2352
activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller, 2356
activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller, 2339
~Key
decaf::security::Key, 2365
~KeyException
decaf::security::KeyException, 2368
~KeyManagementException
decaf::security::KeyManagementException, 2371
~LastPartialCommand
activemq::commands::LastPartialCommand, 2372
~LastPartialCommandMarshaller
activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller, 2396
activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller, 2383
activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller, 2379
activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller, 2392
activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller, 2388
activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller, 2375
~Less
decaf::util::concurrent::Less, 2400

~Level
decaf::util::logging::Level, 2405
~List
decaf::util::List, 2410
~ListIterator
decaf::util::ListIterator, 2418
~LocalTransactionId
activemq::commands::LocalTransactionId, 2422
~LocalTransactionIdMarshaller
activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller, 2447
activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller, 2430
activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller, 2434
activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller, 2443
activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller, 2439
activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller, 2426
~Lock
decaf::util::concurrent::Lock, 2451
decaf::util::concurrent::locks::Lock, 2454
~LockSupport
decaf::util::concurrent::locks::LockSupport, 2459
~LogManager
decaf::util::logging::LogManager, 2483
~LogRecord
decaf::util::logging::LogRecord, 2489
~LogWriter
decaf::util::logging::LogWriter, 2494
~Logger
decaf::util::logging::Logger, 2465
~LoggerHierarchy
decaf::util::logging::LoggerHierarchy, 2474
~LoggingInputStream
activemq::io::LoggingInputStream, 2475
~LoggingOutputStream
activemq::io::LoggingOutputStream, 2476
~LoggingTransport
activemq::transport::logging::LoggingTransport, 2478
~Long
decaf::lang::Long, 2498
~LongArrayBuffer
decaf::internal::nio::LongArrayBuffer, 2516
~LongBuffer
decaf::nio::LongBuffer, 2525
~LongSequenceGenerator
activemq::util::LongSequenceGenerator, 2535
~MalformedURLException
decaf::net::MalformedURLException, 2538
~Map
decaf::util::Map, 2540
~MapMessage
cms::MapMessage, 2554
~MarkBlockLogger
decaf::util::logging::MarkBlockLogger, 2564
~MarshalAware
activemq::wireformat::MarshalAware, 2565
~MarshallerFactory
activemq::wireformat::openwire::marshal::v1::MarshallerFacto
2570
activemq::wireformat::openwire::marshal::v2::MarshallerFacto
2571
activemq::wireformat::openwire::marshal::v3::MarshallerFacto
2568
activemq::wireformat::openwire::marshal::v4::MarshallerFacto
2569
activemq::wireformat::openwire::marshal::v5::MarshallerFacto
2569
activemq::wireformat::openwire::marshal::v6::MarshallerFacto
2567
~MarshallingSupport
activemq::util::MarshallingSupport, 2572
~Math
decaf::lang::Math, 2578
~MemoryUsage
activemq::util::MemoryUsage, 2594
~Message
activemq::commands::Message, 2601
cms::Message, 2619
~MessageAck
activemq::commands::MessageAck, 2644
~MessageAckMarshaller
activemq::wireformat::openwire::marshal::v1::MessageAckMa
2667
activemq::wireformat::openwire::marshal::v2::MessageAckMa
2654

activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller, 2658
activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller, 2662
activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller, 2671
activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller, 2650
~MessageConsumer
cms::MessageConsumer, 2675
~MessageCreator
activemq::cmsutil::MessageCreator, 2678
~MessageDispatch
activemq::commands::MessageDispatch, 2680
~MessageDispatchChannel
activemq::core::MessageDispatchChannel, 2685
~MessageDispatchMarshaller
activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller, 2709
activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller, 2692
activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller, 2696
activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller, 2704
activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller, 2700
activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller, 2713
~MessageDispatchNotification
activemq::commands::MessageDispatchNotification, 2717
~MessageDispatchNotificationMarshaller
activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller, 2739
activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller, 2726
activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller, 2730
activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller, 2734
activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller, 2743
activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller, 2722
~MessageEOFException
cms::MessageEOFException, 2748
~MessageEnumeration
cms::MessageEnumeration, 2747
~MessageFormatException
cms::MessageFormatException, 2750
~MessageId
activemq::commands::MessageId, 2752
~MessageIdMarshaller
activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller, 2776
activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller, 2756
activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller, 2768
activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller, 2760
activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller, 2764
activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller, 2772
~MessageListener
cms::MessageListener, 2780
~MessageMarshaller
activemq::wireformat::openwire::marshal::v1::MessageMarshaller, 2799
activemq::wireformat::openwire::marshal::v2::MessageMarshaller, 2790
activemq::wireformat::openwire::marshal::v3::MessageMarshaller, 2786
activemq::wireformat::openwire::marshal::v4::MessageMarshaller, 2795
activemq::wireformat::openwire::marshal::v5::MessageMarshaller, 2781
activemq::wireformat::openwire::marshal::v6::MessageMarshaller, 2804
~MessageNotReadableException
cms::MessageNotReadableException, 2808
~MessageNotWriteableException
cms::MessageNotWriteableException, 2809
~MessageProducer
cms::MessageProducer, 2811
~MessagePropertyInterceptor
activemq::wireformat::openwire::utils::MessagePropertyInterceptor, 2819
~MessagePull
activemq::commands::MessagePull, 2825
~MessagePullMarshaller
activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller, 2847

activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller, 2830
activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller, 2838
activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller, 2842
activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller, 2834
activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller, 2851
~MockTransport
activemq::transport::mock::MockTransport, 2857
~MockTransportFactory
activemq::transport::mock::MockTransportFactory, 2865
~Mutex
decaf::util::concurrent::Mutex, 2868
~MutexHandle
decaf::util::concurrent::MutexHandle, 2872
~Network
decaf::internal::net::Network, 2876
~NetworkBridgeFilter
activemq::commands::NetworkBridgeFilter, 2878
~NetworkBridgeFilterMarshaller
activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller, 2902
activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller, 2882
activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller, 2894
activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller, 2898
activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller, 2890
activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller, 2886
~NoRouteToHostException
decaf::net::NoRouteToHostException, 2907
~NoSuchAlgorithmException
decaf::security::NoSuchAlgorithmException, 2909
~NoSuchElementException
decaf::lang::exceptions::NoSuchElementException, 2912
~NoSuchProviderException
decaf::security::NoSuchProviderException, 2915
~NullPointerException
decaf::lang::exceptions::NullPointerException, 2917
~Number
decaf::lang::Number, 2919
~NumberFormatException
decaf::lang::exceptions::NumberFormatException, 2923
~ObjectMessage
cms::ObjectMessage, 2924
~OpenSSLContextSpi
decaf::internal::net::ssl::openssl::OpenSSLContextSpi, 2926
~OpenSSLParameters
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2928
~OpenSSLServerSocket
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2932
~OpenSSLServerSocketFactory
decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactor 2938
~OpenSSLSocket
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2946
~OpenSSLSocketException
decaf::internal::net::ssl::openssl::OpenSSLSocketException, 2958
~OpenSSLSocketFactory
decaf::internal::net::ssl::openssl::OpenSSLSocketFactory, 2962
~OpenSSLSocketInputStream
decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream 2967
~OpenSSLSocketOutputStream
decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStrea 2970
~OpenWireFormat
activemq::wireformat::openwire::OpenWireFormat, 2974
~OpenWireFormatFactory
activemq::wireformat::openwire::OpenWireFormatFactory, 2985
~OpenWireFormatNegotiator
activemq::wireformat::openwire::OpenWireFormatNegotiator, 2987
~OpenWireResponseBuilder

activemq::wireformat::openwire::OpenWireResponseBuilder, 2990
~OutputStream
decaf::io::OutputStream, 2993
~OutputStreamWriter
decaf::io::OutputStreamWriter, 3001
~PartialCommand
activemq::commands::PartialCommand, 3003
~PartialCommandMarshaller
activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller, 3029
activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller, 3011
activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller, 3020
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller, 3025
activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller, 3016
activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller, 3007
~Pointer
decaf::lang::Pointer, 3036
~PooledSession
activemq::cmsutil::PooledSession, 3045
~PooledThread
decaf::util::concurrent::PooledThread, 3057
~PooledThreadListener
decaf::util::concurrent::PooledThreadListener, 3059
~PortUnreachableException
decaf::net::PortUnreachableException, 3062
~PrefetchPolicy
activemq::core::PrefetchPolicy, 3064
~PrimitiveList
activemq::util::PrimitiveList, 3070
~PrimitiveMap
activemq::util::PrimitiveMap, 3082
~PrimitiveTypesMarshaller
activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller, 3092
~PrimitiveValueConverter
activemq::util::PrimitiveValueConverter, 3099
~PrimitiveValueNode
activemq::util::PrimitiveValueNode, 3107
~Principal
decaf::security::Principal, 3115
~PriorityQueue
decaf::util::PriorityQueue, 3119
~ProducerAck
activemq::commands::ProducerAck, 3126
~ProducerAckMarshaller
activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller, 3151
activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller, 3130
activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller, 3138
activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller, 3134
activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller, 3142
activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller, 3147
~ProducerCallback
activemq::cmsutil::ProducerCallback, 3154
~ProducerExecutor
activemq::cmsutil::CmsTemplate::ProducerExecutor, 3156
~ProducerId
activemq::commands::ProducerId, 3158
~ProducerIdMarshaller
activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller, 3182
activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller, 3162
activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller, 3170
activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller, 3166
activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller, 3174
activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller, 3178
~ProducerInfo
activemq::commands::ProducerInfo, 3187
~ProducerInfoMarshaller
activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller, 3200
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller, 3196
activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller, 3208
activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller, 3191

activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller, 3204
activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller, 3213
~ProducerState
activemq::state::ProducerState, 3216
~Properties
decaf::util::Properties, 3219
~PropertiesChangeListener
decaf::util::logging::PropertiesChangeListener, 3227
~ProtocolException
decaf::net::ProtocolException, 3230
~PublicKey
decaf::security::PublicKey, 3231
~PushbackInputStream
decaf::io::PushbackInputStream, 3234
~Queue
cms::Queue, 3239
decaf::util::Queue, 3241
~QueueBrowser
cms::QueueBrowser, 3244
~ReadChecker
activemq::transport::inactivity::ReadChecker, 3253
~ReadOnlyBufferException
decaf::nio::ReadOnlyBufferException, 3262
~ReadWriteLock
decaf::util::concurrent::locks::ReadWriteLock, 3265
~Readable
decaf::lang::Readable, 3252
~Reader
decaf::io::Reader, 3255
~ReceiveExecutor
activemq::cmsutil::CmsTemplate::ReceiveExecutor, 3266
~RedeliveryPolicy
activemq::core::RedeliveryPolicy, 3269
~ReentrantLock
decaf::util::concurrent::locks::ReentrantLock, 3275
~RejectedExecutionException
decaf::util::concurrent::RejectedExecutionException, 3282
~RejectedExecutionHandler
decaf::util::concurrent::RejectedExecutionHandler, 3283
~RemoveInfo
activemq::commands::RemoveInfo, 3285
~RemoveInfoMarshaller
activemq::wireformat::openwire::marshal::v1::RemoveInfoMa 3302
activemq::wireformat::openwire::marshal::v2::RemoveInfoMa 3289
activemq::wireformat::openwire::marshal::v3::RemoveInfoMa 3297
activemq::wireformat::openwire::marshal::v4::RemoveInfoMa 3310
activemq::wireformat::openwire::marshal::v5::RemoveInfoMa 3306
activemq::wireformat::openwire::marshal::v6::RemoveInfoMa 3293
~RemoveSubscriptionInfo
activemq::commands::RemoveSubscriptionInfo, 3315
~RemoveSubscriptionInfoMarshaller
activemq::wireformat::openwire::marshal::v1::RemoveSubscri 3319
activemq::wireformat::openwire::marshal::v2::RemoveSubscri 3328
activemq::wireformat::openwire::marshal::v3::RemoveSubscri 3323
activemq::wireformat::openwire::marshal::v4::RemoveSubscri 3340
activemq::wireformat::openwire::marshal::v5::RemoveSubscri 3336
activemq::wireformat::openwire::marshal::v6::RemoveSubscri 3332
~ReplayCommand
activemq::commands::ReplayCommand, 3345
~ReplayCommandMarshaller
activemq::wireformat::openwire::marshal::v1::ReplayCommar 3352
activemq::wireformat::openwire::marshal::v2::ReplayCommar 3357
activemq::wireformat::openwire::marshal::v3::ReplayCommar 3361
activemq::wireformat::openwire::marshal::v4::ReplayCommar 3348
activemq::wireformat::openwire::marshal::v5::ReplayCommar 3369
activemq::wireformat::openwire::marshal::v6::ReplayCommar 3365
~ResolveProducerExecutor
activemq::cmsutil::CmsTemplate::ResolveProducerExecutor, 3373
~ResolveReceiveExecutor

activemq::cmsutil::CmsTemplate::ResolveDestination, 3374
~Resource
decaf::internal::util::Resource, 3375
~ResourceLifecycleManager
activemq::cmsutil::ResourceLifecycleManager, 3377
decaf::internal::util::ResourceLifecycleManager, 3376
~Response
activemq::commands::Response, 3380
~ResponseBuilder
activemq::transport::mock::ResponseBuilder, 3383
~ResponseCorrelator
activemq::transport::correlator::ResponseCorrelator, 3385
~ResponseMarshaller
activemq::wireformat::openwire::marshal::v1::ResponseMarshaller, 3410
activemq::wireformat::openwire::marshal::v2::ResponseMarshaller, 3395
activemq::wireformat::openwire::marshal::v3::ResponseMarshaller, 3405
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller, 3390
activemq::wireformat::openwire::marshal::v5::ResponseMarshaller, 3400
activemq::wireformat::openwire::marshal::v6::ResponseMarshaller, 3415
~Runnable
decaf::lang::Runnable, 3419
~Runtime
decaf::lang::Runtime, 3420
~RuntimeException
decaf::lang::exceptions::RuntimeException, 3423
~SSLContext
decaf::net::ssl::SSLContext, 3654
~SSLContextSpi
decaf::net::ssl::SSLContextSpi, 3656
~SSLParameters
decaf::net::ssl::SSLParameters, 3660
~SSLServerSocket
decaf::net::ssl::SSLServerSocket, 3665
~SSLServerSocketFactory
decaf::net::ssl::SSLServerSocketFactory, 3669
~SSLSocket
decaf::net::ssl::SSLSocket, 3674
~SSLSocketFactory
decaf::net::ssl::SSLSocketFactory, 3680
~SecureRandom
decaf::security::SecureRandom, 3426
~SecureRandomImpl
decaf::internal::security::SecureRandomImpl, 3430
~SecureRandomSpi
decaf::security::SecureRandomSpi, 3433
~Semaphore
decaf::util::concurrent::Semaphore, 3438
~SendExecutor
activemq::cmsutil::CmsTemplate::SendExecutor, 3446
~ServerSocket
decaf::net::ServerSocket, 3451
~ServerSocketFactory
decaf::net::ServerSocketFactory, 3458
~Session
cms::Session, 3464
~SessionCallbackMarshaller,
activemq::cmsutil::SessionCallback, 3476
~SessionIdMarshaller,
activemq::commands::SessionId, 3478
~SessionIdMarshaller,
activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller, 3502
activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller, 3482
activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller, 3498
activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller, 3486
activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller, 3494
activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller, 3490
~SessionInfo
activemq::commands::SessionInfo, 3506
~SessionInfoMarshaller
activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller, 3518
activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller, 3527
activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller, 3522
activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller, 3531
activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller, 3514

activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller, 3510
~SessionPool
activemq::cmsutil::SessionPool, 3535
~SessionState
activemq::state::SessionState, 3537
~Set
decaf::util::Set, 3538
~Short
decaf::lang::Short, 3541
~ShortArrayBuffer
decaf::internal::nio::ShortArrayBuffer, 3554
~ShortBuffer
decaf::nio::ShortBuffer, 3563
~ShutdownInfo
activemq::commands::ShutdownInfo, 3574
~ShutdownInfoMarshaller
activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller, 3586
activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller, 3581
activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller, 3594
activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller, 3598
activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller, 3590
activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller, 3577
~SignatureException
decaf::security::SignatureException, 3603
~SimpleFormatter
decaf::util::logging::SimpleFormatter, 3605
~SimpleLogger
decaf::util::logging::SimpleLogger, 3606
~Socket
decaf::net::Socket, 3614
~SocketAddress
decaf::net::SocketAddress, 3626
~SocketException
decaf::net::SocketException, 3629
~SocketFactory
decaf::net::SocketFactory, 3631
~SocketFileDescriptor
decaf::internal::net::SocketFileDescriptor, 3635
~SocketImpl
decaf::net::SocketImpl, 3638
~SocketImplFactory
decaf::net::SocketImplFactory, 3645
~SocketOptions
decaf::net::SocketOptions, 3647
~SocketTimeoutException
decaf::net::SocketTimeoutException, 3652
~SslTransport
activemq::transport::tcp::SslTransport, 3683
~SslTransportFactory
activemq::transport::tcp::SslTransportFactory, 3685
~StandardErrorOutputStream
decaf::internal::io::StandardErrorOutputStream, 3687
~StandardInputStream
decaf::internal::io::StandardInputStream, 3689
~StandardOutputStream
decaf::internal::io::StandardOutputStream, 3690
~Startable
cms::Startable, 3692
~StaticInitializer
activemq::core::ActiveMQConstants::StaticInitializer, 3693
~StlList
decaf::util::StlList, 3700
~StlMap
decaf::util::StlMap, 3713
~StlQueue
decaf::util::StlQueue, 3725
~StlSet
decaf::util::StlSet, 3734
~StompFrame
activemq::wireformat::stomp::StompFrame, 3742
~StompHelper
activemq::wireformat::stomp::StompHelper, 3747
~StompWireFormat
activemq::wireformat::stomp::StompWireFormat, 3752
~StompWireFormatFactory
activemq::wireformat::stomp::StompWireFormatFactory, 3755
~Stoppable
cms::Stoppable, 3756

~StreamHandler
decaf::util::logging::StreamHandler, 3758
~StreamMessage
cms::StreamMessage, 3763
~String
decaf::lang::String, 3777
~StringTokenizer
decaf::util::StringTokenizer, 3780
~SubscriptionInfo
activemq::commands::SubscriptionInfo, 3783
~SubscriptionInfoMarshaller
activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller, 3792
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller, 3808
activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller, 3788
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller, 3800
activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller, 3796
activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller, 3804
~Synchronizable
decaf::util::concurrent::Synchronizable, 3812
~SynchronizableImpl
decaf::internal::util::concurrent::SynchronizableImpl, 3823
~Synchronization
activemq::core::Synchronization, 3827
~SynchronousQueue
decaf::util::concurrent::SynchronousQueue, 3830
~System
decaf::lang::System, 3840
~Task
activemq::threads::Task, 3847
~TaskListener
decaf::util::concurrent::TaskListener, 3848
~TaskRunner
activemq::threads::TaskRunner, 3849
~TcpSocket
decaf::internal::net::tcp::TcpSocket, 3854
~TcpSocketInputStream
decaf::internal::net::tcp::TcpSocketInputStream, 3861
~TcpSocketOutputStream
decaf::internal::net::tcp::TcpSocketOutputStream, 3864
~TcpTransport
activemq::transport::tcp::TcpTransport, 3866
~TcpTransportFactory
activemq::transport::tcp::TcpTransportFactory, 3870
~TemporaryQueue
cms::TemporaryQueue, 3872
~TemporaryTopic
cms::TemporaryTopic, 3873
~TextMessage
cms::TextMessage, 3875
~Thread
decaf::lang::Thread, 3881
~ThreadFactory
decaf::util::concurrent::ThreadFactory, 3887
~ThreadGroup
decaf::lang::ThreadGroup, 3888
~ThreadPool
decaf::util::concurrent::ThreadPool, 3891
~Throwable
decaf::lang::Throwable, 3896
~TimeUnit
decaf::util::concurrent::TimeUnit, 3922
~TimeoutException
decaf::util::concurrent::TimeoutException, 3901
~Timer
decaf::util::Timer, 3904
~TimerTask
decaf::util::TimerTask, 3915
~TimerTaskHeap
decaf::internal::util::TimerTaskHeap, 3918
~Topic
cms::Topic, 3931
~Tracked
activemq::state::Tracked, 3932
~TransactionId
activemq::commands::TransactionId, 3933
~TransactionIdMarshaller
activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller, 3941
activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller, 3945

activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller, 3949
activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller, 3953
activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller, 3937
activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller, 3957
~TransactionInfo
activemq::commands::TransactionInfo, 3961
~TransactionInfoMarshaller
activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller, 3969
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller, 3986
activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller, 3974
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller, 3982
activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller, 3965
activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller, 3978
~TransactionState
activemq::state::TransactionState, 3991
~TransferQueue
decaf::internal::util::concurrent::TransferQueue, 3993
~TransferStack
decaf::internal::util::concurrent::TransferStack, 3995
~Transport
activemq::transport::Transport, 3998
~TransportFactory
activemq::transport::TransportFactory, 4003
~TransportFilter
activemq::transport::TransportFilter, 4007
~TransportListener
activemq::transport::TransportListener, 4014
~TransportRegistry
activemq::transport::TransportRegistry, 4016
~URI
decaf::net::URI, 4036
~URIEncoderDecoder
decaf::internal::net::URIEncoderDecoder, 4045
~URIHelper
decaf::internal::net::URIHelper, 4049
~URIPool
activemq::transport::failover::URIPool, 4055
~URISyntaxException
decaf::net::URISyntaxException, 4063
~URIType
decaf::internal::net::URIType, 4066
~URL
decaf::net::URL, 4073
~URLDecoder
decaf::net::URLDecoder, 4074
~URLEncoder
decaf::net::URLEncoder, 4075
~UTFDataFormatException
decaf::io::UTFDataFormatException, 4080
~UUID
decaf::util::UUID, 4083
~UncaughtExceptionHandler
decaf::lang::Thread::UncaughtExceptionHandler, 4019
~UnknownHostException
decaf::net::UnknownHostException, 4022
~UnknownServiceException
decaf::net::UnknownServiceException, 4024
~UnsupportedEncodingException
decaf::io::UnsupportedEncodingException, 4027
~UnsupportedOperationException
cms::UnsupportedOperationException, 4031
decaf::lang::exceptions::UnsupportedOperationException, 4030
~Usage
activemq::util::Usage, 4076
~WireFormat
activemq::wireformat::WireFormat, 4089
~WireFormatFactory
activemq::wireformat::WireFormatFactory, 4093
~WireFormatInfo
activemq::commands::WireFormatInfo, 4096
~WireFormatInfoMarshaller
activemq::wireformat::openwire::marshal::v1::WireFormatInfo 4122

activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller, 4114
activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller, 4126
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller, 4118
activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller, 4106
activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller, 4110
~WireFormatNegotiator
activemq::wireformat::WireFormatNegotiator, 4129
~WireFormatRegistry
activemq::wireformat::WireFormatRegistry, 4131
~WriteChecker
activemq::transport::inactivity::WriteChecker, 4133
~Writer
decaf::io::Writer, 4135
~X500Principal
decaf::security::auth::x500::X500Principal, 4140
~X509Certificate
decaf::security::cert::X509Certificate, 4142
~XATransactionId
activemq::commands::XATransactionId, 4144
~XATransactionIdMarshaller
activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller, 4161
activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller, 4152
activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller, 4165
activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller, 4157
activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller, 4169
activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller, 4148
~XMLFormatter
decaf::util::logging::XMLFormatter, 4173
~ZipException
decaf::util::zip::ZipException, 4177
_FALSE
decaf::lang::Boolean, 861
_TRUE
decaf::lang::Boolean, 861
_array
decaf::nio::CharArrayBuffer, 1148
_capacity
decaf::nio::Buffer, 942
_dist_code
deflate.h, 4623
trees.h, 4629
_length_code
deflate.h, 4623
trees.h, 4629
_limit
decaf::nio::Buffer, 942
_mark
decaf::nio::Buffer, 942
_markSet
decaf::nio::Buffer, 942
_position
decaf::nio::Buffer, 942
_tr_tally_dist
deflate.h, 4621
_tr_tally_lit
deflate.h, 4622

ABORT
activemq::wireformat::stomp::StompCommandConstants, 3740
abs
decaf::lang::Math, 2578, 2579
AbstractCollection
decaf::util::AbstractCollection, 162
AbstractQueue
decaf::util::AbstractQueue, 177
accept
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2932
decaf::internal::net::tcp::TcpSocket, 3854
decaf::net::ServerSocket, 3451
decaf::net::SocketImpl, 3638
accepted
decaf::net::Socket, 3614
ACK
activemq::wireformat::stomp::StompCommandConstants, 3740
ACK_AUTO
activemq::wireformat::stomp::StompCommandConstants, 3740
ACK_CLIENT

activemq::wireformat::stomp::StompCommandConstants, 3740
ACK_INDIVIDUAL
activemq::wireformat::stomp::StompCommandConstants, 3740
ACK_TYPE_CONSUMED
activemq::core::ActiveMQConstants, 298
ACK_TYPE_DELIVERED
activemq::core::ActiveMQConstants, 298
ACK_TYPE_INDIVIDUAL
activemq::core::ActiveMQConstants, 298
ACK_TYPE_POISON
activemq::core::ActiveMQConstants, 298
ACK_TYPE_REDELIVERED
activemq::core::ActiveMQConstants, 298
acknowledge
activemq::commands::ActiveMQMessageTemplate, 422
activemq::core::ActiveMQConsumer, 303
activemq::core::ActiveMQSession, 517
cms::Message, 2619
acknowledgeMessage
activemq::core::ActiveMQAckHandler, 184
AcknowledgeMode
cms::Session, 3464
AckType
activemq::core::ActiveMQConstants, 298
ackType
activemq::commands::MessageAck, 2648
acquire
decaf::util::concurrent::Semaphore, 3438
acquireUninterruptibly
decaf::util::concurrent::Semaphore, 3439, 3440
action
activemq::cmsutil::CmsTemplate::ProducerExecutor, 3156
activemq, 93
activemq/exceptions/ExceptionDefines.h
AMQ_CATCH_EXCEPTION_CONVERT, 4238
AMQ_CATCH_NOTHROW, 4239
AMQ_CATCH_RETHROW, 4239
AMQ_CATCHALL_NOTHROW, 4239
AMQ_CATCHALL_THROW, 4240
activemq/util/Config.h
AMQCPP_API, 4275
HAVE_PTHREAD_H, 4275
HAVE_UUID_T, 4275
HAVE_UUID_UUID_H, 4275
activemq::cmsutil, 94
activemq::cmsutil::CachedConsumer, 1097
~CachedConsumer, 1099
CachedConsumer, 1099
close, 1099
getMessageListener, 1099
getMessageSelector, 1099
operator=, 1100
receive, 1100
receiveNoWait, 1100
setMessageListener, 1101
activemq::cmsutil::CachedProducer, 1101
~CachedProducer, 1103
CachedProducer, 1103
close, 1103
getDeliveryMode, 1103
getDisableMessageID, 1103
getDisableMessageTimeStamp, 1104
getPriority, 1104
getTimeToLive, 1104
operator=, 1105
send, 1105, 1106
setDeliveryMode, 1107
setDisableMessageID, 1107
setDisableMessageTimeStamp, 1107
setPriority, 1108
setTimeToLive, 1108
activemq::cmsutil::CmsAccessor, 1183
~CmsAccessor, 1185
checkConnectionFactory, 1185
CmsAccessor, 1185
createConnection, 1185
createSession, 1185
destroy, 1186
getConnectionFactory, 1186
getResourceLifecycleManager, 1186
getSessionAcknowledgeMode, 1186
init, 1186
operator=, 1187
setConnectionFactory, 1187
setSessionAcknowledgeMode, 1187

activemq::cmsutil::CmsDestinationAccessor, 1187
~CmsDestinationAccessor, 1189
checkDestinationResolver, 1189
CmsDestinationAccessor, 1189
destroy, 1189
getDestinationResolver, 1189
init, 1189
isPubSubDomain, 1189
operator=, 1190
resolveDestinationName, 1190
setDestinationResolver, 1190
setPubSubDomain, 1190
activemq::cmsutil::CmsTemplate, 1201
~CmsTemplate, 1205
CmsTemplate, 1205
DEFAULT_PRIORITY, 1215
DEFAULT_TIME_TO_LIVE, 1215
destroy, 1205
execute, 1205, 1206
getDefaultDestination, 1206, 1207
getDefaultDestinationName, 1207
getDeliveryMode, 1207
getPriority, 1207
getReceiveTimeout, 1207
getTimeToLive, 1207
init, 1207
isExplicitQosEnabled, 1207
isMessageIdEnabled, 1208
isMessageTimestampEnabled, 1208
isNoLocal, 1208
operator=, 1208
ProducerExecutor, 1215
receive, 1208, 1209
RECEIVE_TIMEOUT_INDEFINITE_WAIT, 1215
RECEIVE_TIMEOUT_NO_WAIT, 1215
ReceiveExecutor, 1215
receiveSelected, 1209, 1210
ResolveProducerExecutor, 1215
ResolveReceiveExecutor, 1215
send, 1210, 1211
SendExecutor, 1215
setDefaultDestination, 1212
setDefaultDestinationName, 1212
setDeliveryMode, 1212
setDeliveryPersistent, 1212
setExplicitQosEnabled, 1213
setMessageIdEnabled, 1213
setMessageTimestampEnabled, 1213
setNoLocal, 1213
setPriority, 1213
setPubSubDomain, 1213
setReceiveTimeout, 1214
setTimeToLive, 1214
activemq::cmsutil::CmsTemplate::ProducerExecutor, 3155
~ProducerExecutor, 3156
action, 3156
destination, 3156
doInCms, 3156
getDestination, 3156
operator=, 3156
parent, 3156
ProducerExecutor, 3156
activemq::cmsutil::CmsTemplate::ReceiveExecutor, 3265
~ReceiveExecutor, 3266
destination, 3267
doInCms, 3266
getDestination, 3266
getMessage, 3267
message, 3267
noLocal, 3267
operator=, 3267
parent, 3267
ReceiveExecutor, 3266
selector, 3267
activemq::cmsutil::CmsTemplate::ResolveProducerExecutor, 3372
~ResolveProducerExecutor, 3373
getDestination, 3373
operator=, 3373
ResolveProducerExecutor, 3373
activemq::cmsutil::CmsTemplate::ResolveReceiveExecutor, 3373
~ResolveReceiveExecutor, 3374
getDestination, 3374
operator=, 3374
ResolveReceiveExecutor, 3374
activemq::cmsutil::CmsTemplate::SendExecutor, 3445
~SendExecutor, 3446
doInCms, 3446
operator=, 3446
SendExecutor, 3446
activemq::cmsutil::DestinationResolver, 1810
~DestinationResolver, 1811
destroy, 1811
init, 1811

resolveDestinationName, 1811
activemq::cmsutil::DynamicDestinationResolver, 1878
~DynamicDestinationResolver, 1879
destroy, 1879
DynamicDestinationResolver, 1879
init, 1879
operator=, 1879
resolveDestinationName, 1880
activemq::cmsutil::MessageCreator, 2677
~MessageCreator, 2678
createMessage, 2678
activemq::cmsutil::PooledSession, 3041
~PooledSession, 3045
close, 3045
commit, 3045
createBrowser, 3045, 3046
createBytesMessage, 3046
createCachedConsumer, 3047
createCachedProducer, 3047
createConsumer, 3048, 3049
createDurableConsumer, 3049
createMapMessage, 3050
createMessage, 3050
createProducer, 3051
createQueue, 3051
createStreamMessage, 3051
createTemporaryQueue, 3052
createTemporaryTopic, 3052
createTextMessage, 3052, 3053
createTopic, 3053
getAcknowledgeMode, 3053
getSession, 3054
isTransacted, 3054
operator=, 3054
PooledSession, 3045
recover, 3054
rollback, 3055
unsubscribe, 3055
activemq::cmsutil::ProducerCallback, 3154
~ProducerCallback, 3154
doInCms, 3154
activemq::cmsutil::ResourceLifecycleManager, 3376
~ResourceLifecycleManager, 3377
addConnection, 3377
addDestination, 3377
addMessageConsumer, 3378
addMessageProducer, 3378
addSession, 3378
destroy, 3378
operator=, 3379
releaseAll, 3379
ResourceLifecycleManager, 3377
activemq::cmsutil::SessionCallback, 3475
~SessionCallback, 3476
doInCms, 3476
activemq::cmsutil::SessionPool, 3534
~SessionPool, 3535
getResourceLifecycleManager, 3535
operator=, 3535
returnSession, 3535
SessionPool, 3535
takeSession, 3535
activemq::commands, 95
activemq::commands::ActiveMQBlobMessage, 184
~ActiveMQBlobMessage, 186
ActiveMQBlobMessage, 186
BINARY_MIME_TYPE, 189
clone, 186
cloneDataStructure, 186
copyDataStructure, 186
equals, 187
getDataStructureType, 187
getMimeType, 187
getName, 187
getRemoteBlobUrl, 187
ID_ACTIVEMQBLOBMESSAGE, 189
isDeletedByBroker, 188
setDeletedByBroker, 188
setMimeType, 188
setName, 188
setRemoteBlobUrl, 188
toString, 189
activemq::commands::ActiveMQBytesMessage, 215
~ActiveMQBytesMessage, 219
ActiveMQBytesMessage, 219
clearBody, 219
clone, 219
cloneDataStructure, 219
copyDataStructure, 219
equals, 220
getBodyBytes, 220
getBodyLength, 220
getDataStructureType, 221
ID_ACTIVEMQBYTESMESSAGE, 234
onSend, 221

readBoolean, 221
readByte, 222
readBytes, 222, 223
readChar, 224
readDouble, 224
readFloat, 225
readInt, 225
readLong, 225
readShort, 226
readString, 226
readUnsignedShort, 227
readUTF, 227
reset, 228
setBodyBytes, 228
toString, 229
writeBoolean, 229
writeByte, 229
writeBytes, 230
writeChar, 231
writeDouble, 231
writeFloat, 231
writeInt, 232
writeLong, 232
writeShort, 233
writeString, 233
writeUnsignedShort, 233
writeUTF, 234
activemq::commands::ActiveMQDestination, 312
~ActiveMQDestination, 315
ActiveMQDestination, 315
advisory, 322
ADVISORY_PREFIX, 322
cloneDataStructure, 315
COMPOSITE_SEPARATOR, 322
CONNECTION_ADVISORY_PREFIX, 322
CONSUMER_ADVISORY_PREFIX, 322
copyDataStructure, 315
createDestination, 316
createTemporaryName, 316
DEFAULT_ORDERED_TARGET, 322
equals, 316
exclusive, 322
getClientId, 317
getCMSDestination, 317
getDataStructureType, 317
getDestinationType, 318
getOptions, 318
getOrderedTarget, 318
getPhysicalName, 318
ID_ACTIVEMQDESTINATION, 323
isAdvisory, 319
isComposite, 319
isConnectionAdvisory, 319
isConsumerAdvisory, 319
isExclusive, 319
isOrdered, 319
isProducerAdvisory, 319
isQueue, 320
isTemporary, 320
isTopic, 320
isWildcard, 320
options, 323
ordered, 323
orderedTarget, 323
physicalName, 323
PRODUCER_ADVISORY_PREFIX, 323
QUEUE_QUALIFIED_PREFIX, 323
setAdvisory, 320
setExclusive, 321
setOrdered, 321
setOrderedTarget, 321
setPhysicalName, 321
TEMP_POSTFIX, 323
TEMP_PREFIX, 323
TEMP_QUEUE_QUALIFED_PREFIX, 323
TEMP_TOPIC_QUALIFED_PREFIX, 323
TOPIC_QUALIFIED_PREFIX, 323
toString, 321
activemq::commands::ActiveMQDestination::DestinationFilter, 1779
ANY_CHILD, 1779
ANY_DESCENDENT, 1779
activemq::commands::ActiveMQMapMessage, 350
~ActiveMQMapMessage, 353
ActiveMQMapMessage, 353
beforeMarshal, 353
checkMapIsUnmarshalled, 353
clearBody, 353
clone, 354
cloneDataStructure, 354
copyDataStructure, 354
equals, 354
getBoolean, 355

getByte, 355
getBytes, 356
getChar, 356
getDataStructureType, 356
getDouble, 356
getFloat, 357
getInt, 357
getLong, 358
getMap, 358
getMapNames, 358
getShort, 359
getString, 359
ID_ACTIVEMQMAPMESSAGE, 364
isMarshalAware, 359
itemExists, 360
setBoolean, 360
setByte, 360
setBytes, 361
setChar, 361
setDouble, 362
setFloat, 362
setInt, 362
setLong, 363
setShort, 363
setString, 363
toString, 364
activemq::commands::ActiveMQMessage, 390
~ActiveMQMessage, 391
ActiveMQMessage, 391
clone, 391
cloneDataStructure, 391
copyDataStructure, 391
equals, 391
getDataStructureType, 392
ID_ACTIVEMQMESSAGE, 392
toString, 392
activemq::commands::ActiveMQMessageTemplate, 418
~ActiveMQMessageTemplate, 422
acknowledge, 422
ActiveMQMessageTemplate, 422
clearBody, 422
clearProperties, 422
equals, 423
failIfReadOnlyBody, 423
failIfReadOnlyProperties, 423
failIfWriteOnlyBody, 423
getBooleanProperty, 423
getByteProperty, 424
getCMSCorrelationID, 424
getCMSDeliveryMode, 424
getCMSDestination, 425
getCMSExpiration, 425
getCMSMessageID, 425
getCMSPriority, 426
getCMSRedelivered, 426
getCMSReplyTo, 426
getCMSTimestamp, 427
getCMSType, 427
getDoubleProperty, 427
getFloatProperty, 428
getIntProperty, 428
getLongProperty, 429
getPropertyNames, 429
getShortProperty, 430
getStringProperty, 430
onSend, 431
propertyExists, 431
setBooleanProperty, 431
setByteProperty, 432
setCMSCorrelationID, 432
setCMSDeliveryMode, 432
setCMSDestination, 433
setCMSExpiration, 433
setCMSMessageID, 433
setCMSPriority, 433
setCMSRedelivered, 434
setCMSReplyTo, 434
setCMSTimestamp, 434
setCMSType, 435
setDoubleProperty, 435
setFloatProperty, 435
setIntProperty, 436
setLongProperty, 436
setShortProperty, 437
setStringProperty, 437
activemq::commands::ActiveMQObjectMessage, 438
~ActiveMQObjectMessage, 439
ActiveMQObjectMessage, 439
clone, 439
cloneDataStructure, 439
copyDataStructure, 439
equals, 439
getDataStructureType, 440
ID_ACTIVEMQOBJECTMESSAGE, 440
toString, 440
activemq::commands::ActiveMQQueue, 479

~ActiveMQQueue, 480
ActiveMQQueue, 480
clone, 480
cloneDataStructure, 481
copy, 481
copyDataStructure, 481
equals, 481
getCMSDestination, 482
getCMSProperties, 482
getDataStructureType, 482
getDestinationType, 482
getQueueName, 483
ID_ACTIVEMQQUEUE, 483
toString, 483
activemq::commands::ActiveMQStreamMessage, 535
~ActiveMQStreamMessage, 539
ActiveMQStreamMessage, 539
clearBody, 539
clone, 539
cloneDataStructure, 539
copyDataStructure, 539
equals, 540
getDataStructureType, 540
ID_ACTIVEMQSTREAMMESSAGE, 553
onSend, 540
readBoolean, 540
readByte, 541
readBytes, 541, 542
readChar, 543
readDouble, 544
readFloat, 544
readInt, 544
readLong, 545
readShort, 545
readString, 546
readUnsignedShort, 546
reset, 547
toString, 547
writeBoolean, 547
writeByte, 548
writeBytes, 548, 549
writeChar, 549
writeDouble, 550
writeFloat, 550
writeInt, 550
writeLong, 551
writeShort, 551
writeString, 552
writeUnsignedShort, 552
activemq::commands::ActiveMQTempDestination, 578
~ActiveMQTempDestination, 580
ActiveMQTempDestination, 580
cloneDataStructure, 580
close, 580
connection, 582
copyDataStructure, 580
equals, 581
getDataStructureType, 581
ID_ACTIVEMQTEMPDESTINATION, 582
setConnection, 581
toString, 581
activemq::commands::ActiveMQTempQueue, 606
~ActiveMQTempQueue, 608
ActiveMQTempQueue, 608
clone, 608
cloneDataStructure, 608
copy, 608
copyDataStructure, 609
destroy, 609
equals, 609
getCMSDestination, 609
getCMSProperties, 610
getDataStructureType, 610
getDestinationType, 610
getQueueName, 610
ID_ACTIVEMQTEMPQUEUE, 611
toString, 610
activemq::commands::ActiveMQTempTopic, 636
~ActiveMQTempTopic, 638
ActiveMQTempTopic, 638
clone, 638
cloneDataStructure, 638
copy, 638
copyDataStructure, 638
destroy, 639
equals, 639
getCMSDestination, 639
getCMSProperties, 639
getDataStructureType, 640
getDestinationType, 640
getTopicName, 640
ID_ACTIVEMQTEMPTOPIC, 641
toString, 640

activemq::commands::ActiveMQTextMessage, 666
~ActiveMQTextMessage, 668
ActiveMQTextMessage, 668
beforeMarshal, 668
clearBody, 668
clone, 668
cloneDataStructure, 669
copyDataStructure, 669
equals, 669
getDataStructureType, 669
getSize, 670
getText, 670
ID_ACTIVEMQTEXTMESSAGE, 671
setText, 670
text, 671
toString, 671
activemq::commands::ActiveMQTopic, 697
~ActiveMQTopic, 698
ActiveMQTopic, 698
clone, 698
cloneDataStructure, 698
copy, 699
copyDataStructure, 699
equals, 699
getCMSDestination, 699
getCMSProperties, 700
getDataStructureType, 700
getDestinationType, 700
getTopicName, 700
ID_ACTIVEMQTOPIC, 701
toString, 700
activemq::commands::BaseCommand, 764
~BaseCommand, 766
BaseCommand, 766
copyDataStructure, 766
equals, 766
getCommandId, 767
isBrokerInfo, 767
isConnectionInfo, 768
isConsumerInfo, 768
isKeepAliveInfo, 768
isMessage, 768
isMessageAck, 768
isMessageDispatch, 768
isMessageDispatchNotification, 768
isProducerAck, 769
isProducerInfo, 769
isRemoveInfo, 769
isRemoveSubscriptionInfo, 769
isResponse, 769
isResponseRequired, 769
isShutdownInfo, 769
isTransactionInfo, 770
isWireFormatInfo, 770
setCommandId, 770
setResponseRequired, 770
toString, 770
activemq::commands::BaseDataStructure, 837
~BaseDataStructure, 838
afterMarshal, 838
afterUnmarshal, 838
beforeMarshal, 839
beforeUnmarshal, 839
copyDataStructure, 839
equals, 839
getMarshaledForm, 840
isMarshalAware, 840
setMarshaledForm, 840
toString, 841
activemq::commands::BooleanExpression, 861
~BooleanExpression, 862
BooleanExpression, 862
cloneDataStructure, 862
copyDataStructure, 862
equals, 862
toString, 863
activemq::commands::BrokerError, 868
~BrokerError, 870
BrokerError, 870
cloneDataStructure, 870
copyDataStructure, 870
getCause, 870
getDataStructureType, 871
getExceptionClass, 871
getMessage, 871
getStackTraceElements, 871
setCause, 871
setExceptionClass, 872
setMessage, 872
setStackTraceElements, 872
visit, 872
activemq::commands::BrokerError::StackTraceElement, 3685
ClassName, 3686
FileName, 3686
LineNumber, 3686
MethodName, 3686

activemq::commands::BrokerId, 874
~BrokerId, 876
BrokerId, 876
cloneDataStructure, 876
COMPARATOR, 876
compareTo, 876
copyDataStructure, 876
equals, 876, 877
getDataStructureType, 877
getValue, 877
ID_BROKERID, 878
operator<, 877
operator=, 877
operator==, 877
setValue, 877
toString, 877
value, 878
activemq::commands::BrokerInfo, 902
~BrokerInfo, 904
brokerId, 910
BrokerInfo, 904
brokerName, 910
brokerUploadUrl, 910
brokerURL, 910
cloneDataStructure, 904
connectionId, 910
copyDataStructure, 904
duplexConnection, 910
equals, 905
faultTolerantConfiguration, 910
getBrokerId, 905, 906
getBrokerName, 906
getBrokerUploadUrl, 906
getBrokerURL, 906
getConnectionId, 906
getDataStructureType, 906
getNetworkProperties, 906, 907
getPeerBrokerInfos, 907
ID_BROKERINFO, 910
isBrokerInfo, 907
isDuplexConnection, 907
isFaultTolerantConfiguration, 908
isMasterBroker, 908
isNetworkConnection, 908
isSlaveBroker, 908
masterBroker, 910
networkConnection, 910
networkProperties, 910
peerBrokerInfos, 910
setBrokerId, 908
setBrokerName, 908
setBrokerUploadUrl, 908
setBrokerURL, 908
setConnectionId, 908
setDuplexConnection, 908
setFaultTolerantConfiguration, 908
setMasterBroker, 908
setNetworkConnection, 908
setNetworkProperties, 908
setPeerBrokerInfos, 908
setSlaveBroker, 908
slaveBroker, 910
toString, 908
visit, 909
activemq::commands::Command, 1227
~Command, 1228
getCommandId, 1228
isBrokerInfo, 1228
isConnectionInfo, 1228
isConsumerInfo, 1229
isKeepAliveInfo, 1229
isMessage, 1229
isMessageAck, 1229
isMessageDispatch, 1229
isMessageDispatchNotification, 1229
isProducerAck, 1229
isProducerInfo, 1230
isRemoveInfo, 1230
isRemoveSubscriptionInfo, 1230
isResponse, 1230
isResponseRequired, 1230
isShutdownInfo, 1230
isTransactionInfo, 1230
isWireFormatInfo, 1231
setCommandId, 1231
setResponseRequired, 1231
toString, 1231
visit, 1232
activemq::commands::ConnectionControl, 1301
~ConnectionControl, 1303
cloneDataStructure, 1303
close, 1306
connectedBrokers, 1306
ConnectionControl, 1303
copyDataStructure, 1303
equals, 1303
exit, 1306
faultTolerant, 1306
getConnectedBrokers, 1303, 1304

getDataStructureType, 1304
getReconnectTo, 1304, 1305
ID_CONNECTIONCONTROL, 1306
isClose, 1305
isExit, 1305
isFaultTolerant, 1305
isRebalanceConnection, 1305
isResume, 1305
isSuspend, 1305
rebalanceConnection, 1306
reconnectTo, 1306
resume, 1306
setClose, 1305
setConnectedBrokers, 1305
setExit, 1305
setFaultTolerant, 1305
setRebalanceConnection, 1305
setReconnectTo, 1305
setResume, 1305
setSuspend, 1305
suspend, 1306
toString, 1305
visit, 1306
activemq::commands::ConnectionError, 1332
~ConnectionError, 1333
cloneDataStructure, 1333
ConnectionError, 1333
connectionId, 1336
copyDataStructure, 1334
equals, 1334
exception, 1336
getConnectionId, 1334
getDataStructureType, 1334
getException, 1334, 1335
ID_CONNECTIONERROR, 1336
setConnectionId, 1335
setException, 1335
toString, 1335
visit, 1335
activemq::commands::ConnectionId, 1365
~ConnectionId, 1366
cloneDataStructure, 1366
COMPARATOR, 1366
compareTo, 1366
ConnectionId, 1366
copyDataStructure, 1367
equals, 1367
getDataStructureType, 1367
getValue, 1367, 1368
ID_CONNECTIONID, 1368
operator<, 1368
operator=, 1368
operator==, 1368
setValue, 1368
toString, 1368
value, 1368
activemq::commands::ConnectionInfo, 1393
~ConnectionInfo, 1395
brokerMasterConnector, 1399
brokerPath, 1399
clientId, 1399
clientMaster, 1399
cloneDataStructure, 1395
connectionId, 1399
ConnectionInfo, 1395
copyDataStructure, 1395
createRemoveCommand, 1395
equals, 1395
faultTolerant, 1399
getBrokerPath, 1395, 1396
getClientId, 1396
getConnectionId, 1396
getDataStructureType, 1396
getPassword, 1396, 1397
getUserName, 1397
ID_CONNECTIONINFO, 1399
isBrokerMasterConnector, 1397
isClientMaster, 1397
isConnectionInfo, 1397
isFaultTolerant, 1397
isManageable, 1398
manageable, 1399
password, 1399
setBrokerMasterConnector, 1398
setBrokerPath, 1398
setClientId, 1398
setClientMaster, 1398
setConnectionId, 1398
setFaultTolerant, 1398
setManageable, 1398
setPassword, 1398
setUserName, 1398
toString, 1398
userName, 1399
visit, 1398
activemq::commands::ConsumerControl, 1441
~ConsumerControl, 1443
cloneDataStructure, 1443
close, 1446
ConsumerControl, 1443

consumerId, 1446
copyDataStructure, 1443
destination, 1446
equals, 1443
flush, 1446
getConsumerId, 1443, 1444
getDataStructureType, 1444
getDestination, 1444, 1445
getPrefetch, 1445
ID_CONSUMERCONTROL, 1446
isClose, 1445
isFlush, 1445
isStart, 1445
isStop, 1445
prefetch, 1446
setClose, 1445
setConsumerId, 1445
setDestination, 1445
setFlush, 1445
setPrefetch, 1445
setStart, 1445
setStop, 1445
start, 1446
stop, 1446
toString, 1445
visit, 1446
activemq::commands::ConsumerId, 1472
~ConsumerId, 1474
cloneDataStructure, 1474
COMPARATOR, 1474
compareTo, 1474
connectionId, 1476
ConsumerId, 1474
copyDataStructure, 1474
equals, 1474, 1475
getConnectionId, 1475
getDataStructureType, 1475
getParentId, 1475
getSessionId, 1476
getValue, 1476
ID_CONSUMERID, 1476
operator<, 1476
operator=, 1476
operator==, 1476
sessionId, 1476
setConnectionId, 1476
setSessionId, 1476
setValue, 1476
toString, 1476
value, 1477
activemq::commands::ConsumerInfo, 1501
~ConsumerInfo, 1504
additionalPredicate, 1509
brokerPath, 1509
browser, 1509
cloneDataStructure, 1504
consumerId, 1509
ConsumerInfo, 1504
copyDataStructure, 1504
createRemoveCommand, 1504
destination, 1509
dispatchAsync, 1509
equals, 1504
exclusive, 1509
getAdditionalPredicate, 1504, 1505
getBrokerPath, 1505
getConsumerId, 1505
getDataStructureType, 1505
getDestination, 1505, 1506
getMaximumPendingMessageLimit, 1506
getNetworkConsumerPath, 1506
getPrefetchSize, 1506
getPriority, 1506
getSelector, 1506
getSubscriptionName, 1506
ID_CONSUMERINFO, 1509
isBrowser, 1506
isConsumerInfo, 1506
isDispatchAsync, 1506
isExclusive, 1507
isNetworkSubscription, 1507
isNoLocal, 1507
isNoRangeAcks, 1507
isOptimizedAcknowledge, 1507
isRetroactive, 1507
maximumPendingMessageLimit, 1509
networkConsumerPath, 1509
networkSubscription, 1509
noLocal, 1509
noRangeAcks, 1509
optimizedAcknowledge, 1509
prefetchSize, 1509
priority, 1509
retroactive, 1509
selector, 1509
setAdditionalPredicate, 1507
setBrokerPath, 1507
setBrowser, 1507
setConsumerId, 1507
setDestination, 1507

setDispatchAsync, 1507
setExclusive, 1507
setMaximumPendingMessageLimit, 1507
setNetworkConsumerPath, 1507
setNetworkSubscription, 1507
setNoLocal, 1507
setNoRangeAcks, 1507
setOptimizedAcknowledge, 1507
setPrefetchSize, 1507
setPriority, 1507
setRetroactive, 1507
setSelector, 1507
setSubscriptionName, 1507
subscriptionName, 1509
toString, 1507
visit, 1508
activemq::commands::ControlCommand, 1536
~ControlCommand, 1537
cloneDataStructure, 1537
command, 1539
ControlCommand, 1537
copyDataStructure, 1537
equals, 1538
getCommand, 1538
getDataStructureType, 1538
ID_CONTROLCOMMAND, 1539
setCommand, 1538
toString, 1538
visit, 1538
activemq::commands::DataArrayResponse, 1572
~DataArrayResponse, 1573
cloneDataStructure, 1573
copyDataStructure, 1573
data, 1574
DataArrayResponse, 1573
equals, 1573
getData, 1573, 1574
getDataStructureType, 1574
ID_DATAARRAYRESPONSE, 1574
setData, 1574
toString, 1574
activemq::commands::DataResponse, 1632
~DataResponse, 1633
cloneDataStructure, 1633
copyDataStructure, 1633
data, 1634
DataResponse, 1633
equals, 1633
getData, 1633, 1634
getDataStructureType, 1634
ID_DATARESPONSE, 1634
setData, 1634
toString, 1634
activemq::commands::DataStructure, 1713
~DataStructure, 1714
cloneDataStructure, 1714
copyDataStructure, 1715
equals, 1716
getDataStructureType, 1717
toString, 1718
activemq::commands::DestinationInfo, 1779
~DestinationInfo, 1781
brokerPath, 1784
cloneDataStructure, 1781
connectionId, 1784
copyDataStructure, 1781
destination, 1784
DestinationInfo, 1781
equals, 1781
getBrokerPath, 1782
getConnectionId, 1782
getDataStructureType, 1782
getDestination, 1782, 1783
getOperationType, 1783
getTimeout, 1783
ID_DESTINATIONINFO, 1784
operationType, 1784
setBrokerPath, 1783
setConnectionId, 1783
setDestination, 1783
setOperationType, 1783
setTimeout, 1783
timeout, 1784
toString, 1783
visit, 1783
activemq::commands::DiscoveryEvent, 1812
~DiscoveryEvent, 1813
brokerName, 1815
cloneDataStructure, 1813
copyDataStructure, 1813
DiscoveryEvent, 1813
equals, 1813
getBrokerName, 1814
getDataStructureType, 1814
getServiceName, 1814
ID_DISCOVERYEVENT, 1815
serviceName, 1815
setBrokerName, 1814
setServiceName, 1814

toString, 1814
activemq::commands::ExceptionResponse, 1894
~ExceptionResponse, 1896
cloneDataStructure, 1896
copyDataStructure, 1896
equals, 1896
exception, 1897
ExceptionResponse, 1896
getDataStructureType, 1896
getException, 1897
ID_EXCEPTIONRESPONSE, 1897
setException, 1897
toString, 1897
activemq::commands::FlushCommand, 1999
~FlushCommand, 2000
cloneDataStructure, 2000
copyDataStructure, 2000
equals, 2000
FlushCommand, 2000
getDataStructureType, 2000
ID_FLUSHCOMMAND, 2001
toString, 2001
visit, 2001
activemq::commands::IntegerResponse, 2160
~IntegerResponse, 2161
cloneDataStructure, 2161
copyDataStructure, 2161
equals, 2161
getDataStructureType, 2161
getResult, 2162
ID_INTEGERRESPONSE, 2162
IntegerResponse, 2161
result, 2162
setResult, 2162
toString, 2162
activemq::commands::JournalQueueAck, 2224
~JournalQueueAck, 2225
cloneDataStructure, 2225
copyDataStructure, 2225
destination, 2227
equals, 2226
getDataStructureType, 2226
getDestination, 2226, 2227
getMessageAck, 2227
ID_JOURNALQUEUEACK, 2227
JournalQueueAck, 2225
messageAck, 2227
setDestination, 2227
setMessageAck, 2227
toString, 2227
activemq::commands::JournalTopicAck, 2252
~JournalTopicAck, 2253
clientId, 2256
cloneDataStructure, 2253
copyDataStructure, 2253
destination, 2256
equals, 2254
getClientId, 2254
getDataStructureType, 2254
getDestination, 2254, 2255
getMessageId, 2255
getMessageSequenceId, 2255
getSubscritionName, 2255
getTransactionId, 2255
ID_JOURNALTOPICACK, 2256
JournalTopicAck, 2253
messageId, 2256
messageSequenceId, 2256
setClientId, 2255
setDestination, 2255
setMessageId, 2255
setMessageSequenceId, 2255
setSubscritionName, 2255
setTransactionId, 2255
subscritionName, 2256
toString, 2255
transactionId, 2256
activemq::commands::JournalTrace, 2281
~JournalTrace, 2282
cloneDataStructure, 2282
copyDataStructure, 2282
equals, 2282
getDataStructureType, 2282
getMessage, 2283
ID_JOURNALTRACE, 2283
JournalTrace, 2282
message, 2283
setMessage, 2283
toString, 2283
activemq::commands::JournalTransaction, 2308
~JournalTransaction, 2309
cloneDataStructure, 2309
copyDataStructure, 2309
equals, 2309
getDataStructureType, 2310
getTransactionId, 2310
getType, 2310
getWasPrepared, 2310

ID_JOURNALTRANSACTION, 2311
JournalTransaction, 2309
setTransactionId, 2310
setType, 2310
setWasPrepared, 2310
toString, 2310
transactionId, 2311
type, 2311
wasPrepared, 2311
activemq::commands::KeepAliveInfo, 2335
~KeepAliveInfo, 2336
cloneDataStructure, 2336
copyDataStructure, 2336
equals, 2337
getDataStructureType, 2337
ID_KEEPALIVEINFO, 2338
isKeepAliveInfo, 2337
KeepAliveInfo, 2336
toString, 2337
visit, 2337
activemq::commands::LastPartialCommand, 2371
~LastPartialCommand, 2372
cloneDataStructure, 2372
copyDataStructure, 2372
equals, 2372
getDataStructureType, 2373
ID_LASTPARTIALCOMMAND, 2373
LastPartialCommand, 2372
toString, 2373
activemq::commands::LocalTransactionId, 2420
~LocalTransactionId, 2422
cloneDataStructure, 2422
COMPARATOR, 2421
compareTo, 2422
connectionId, 2424
copyDataStructure, 2422
equals, 2422, 2423
getConnectionId, 2423
getDataStructureType, 2423
getValue, 2423
ID_LOCALTRANSACTIONID, 2424
LocalTransactionId, 2422
operator<, 2424
operator=, 2424
operator==, 2424
setConnectionId, 2424
setValue, 2424
toString, 2424
value, 2424
activemq::commands::Message, 2596
~Message, 2601
afterUnmarshal, 2601
arrival, 2613
beforeMarshal, 2601
brokerInTime, 2613
brokerOutTime, 2613
brokerPath, 2613
cloneDataStructure, 2601
cluster, 2613
compressed, 2613
connection, 2613
content, 2613
copyDataStructure, 2602
correlationId, 2613
dataStructure, 2613
DEFAULT_MESSAGE_SIZE, 2613
destination, 2613
droppable, 2613
equals, 2602
expiration, 2613
getAckHandler, 2602
getArrival, 2603
getBrokerInTime, 2603
getBrokerOutTime, 2603
getBrokerPath, 2603
getCluster, 2603
getConnection, 2603
getContent, 2603, 2604
getCorrelationId, 2604
getDataStructure, 2604
getDataStructureType, 2604
getDestination, 2604, 2605
getExpiration, 2605
getGroupID, 2605
getGroupSequence, 2605
getMarshalledProperties, 2605
getMessageId, 2605
getMessageProperties, 2605
getOriginalDestination, 2606
getOriginalTransactionId, 2606
getPriority, 2606
getProducerId, 2606
getRedeliveryCounter, 2606
getReplyTo, 2606
getSize, 2606
getTargetConsumerId, 2606, 2607
getTimestamp, 2607
getTransactionId, 2607

getType, 2607
getUserID, 2607
groupID, 2613
groupSequence, 2613
ID_MESSAGE, 2613
isCompressed, 2607
isDroppable, 2607
isExpired, 2607
isMarshalAware, 2607
isMessage, 2608
isPersistent, 2608
isReadOnlyBody, 2608
isReadOnlyProperties, 2608
isRecievedByDFBridge, 2608
marshalledProperties, 2613
Message, 2601
messageId, 2613
onSend, 2608
originalDestination, 2613
originalTransactionId, 2613
persistent, 2613
priority, 2613
producerId, 2613
recievedByDFBridge, 2613
redeliveryCounter, 2613
replyTo, 2613
setAckHandler, 2608
setArrival, 2609
setBrokerInTime, 2609
setBrokerOutTime, 2609
setBrokerPath, 2609
setCluster, 2609
setCompressed, 2609
setConnection, 2609
setContent, 2609
setCorrelationId, 2610
setDataStructure, 2610
setDestination, 2610
setDroppable, 2610
setExpiration, 2610
setGroupID, 2610
setGroupSequence, 2610
setMarshalledProperties, 2610
setMessageId, 2610
setOriginalDestination, 2610
setOriginalTransactionId, 2610
setPersistent, 2610
setPriority, 2610
setProducerId, 2610
setReadOnlyBody, 2610
setReadOnlyProperties, 2611
setRecievedByDFBridge, 2611
setRedeliveryCounter, 2611
setReplyTo, 2611
setTargetConsumerId, 2611
setTimestamp, 2611
setTransactionId, 2611
setType, 2611
setUserID, 2611
targetConsumerId, 2613
timestamp, 2613
toString, 2611
transactionId, 2613
type, 2613
userID, 2613
visit, 2612
activemq::commands::MessageAck, 2643
~MessageAck, 2644
ackType, 2648
cloneDataStructure, 2644
consumerId, 2648
copyDataStructure, 2644
destination, 2648
equals, 2645
firstMessageId, 2648
getAckType, 2645
getConsumerId, 2645
getDataStructureType, 2645
getDestination, 2645, 2646
getFirstMessageId, 2646
getLastMessageId, 2646
getMessageCount, 2646
getTransactionId, 2646
ID_MESSAGEACK, 2648
isMessageAck, 2646
lastMessageId, 2648
MessageAck, 2644
messageCount, 2648
setAckType, 2646
setConsumerId, 2647
setDestination, 2647
setFirstMessageId, 2647
setLastMessageId, 2647
setMessageCount, 2647
setTransactionId, 2647
toString, 2647
transactionId, 2648
visit, 2647
activemq::commands::MessageDispatch, 2678
~MessageDispatch, 2680

cloneDataStructure, 2680
consumerId, 2683
copyDataStructure, 2680
destination, 2683
equals, 2680
getConsumerId, 2681
getDataStructureType, 2681
getDestination, 2681
getMessage, 2681
getRedeliveryCounter, 2681
ID_MESSAGEDISPATCH, 2683
isMessageDispatch, 2681
message, 2683
MessageDispatch, 2680
redeliveryCounter, 2683
setConsumerId, 2681
setDestination, 2682
setMessage, 2682
setRedeliveryCounter, 2682
toString, 2682
visit, 2682
activemq::commands::MessageDispatchNotification, 2716
~MessageDispatchNotification, 2717
cloneDataStructure, 2717
consumerId, 2720
copyDataStructure, 2717
deliverySequenceId, 2720
destination, 2720
equals, 2718
getConsumerId, 2718
getDataStructureType, 2718
getDeliverySequenceId, 2718
getDestination, 2719
getMessageId, 2719
ID_MESSAGEDISPATCHNOTIFICATION, 2720
isMessageDispatchNotification, 2719
MessageDispatchNotification, 2717
messageId, 2720
setConsumerId, 2719
setDeliverySequenceId, 2719
setDestination, 2719
setMessageId, 2719
toString, 2719
visit, 2720
activemq::commands::MessageId, 2750
~MessageId, 2752
brokerSequenceId, 2755
cloneDataStructure, 2752
COMPARATOR, 2752
compareTo, 2752
copyDataStructure, 2752
equals, 2753
getBrokerSequenceId, 2753
getDataStructureType, 2753
getProducerId, 2753, 2754
getProducerSequenceId, 2754
ID_MESSAGEID, 2755
MessageId, 2752
operator<, 2754
operator=, 2754
operator==, 2754
producerId, 2755
producerSequenceId, 2755
setBrokerSequenceId, 2754
setProducerId, 2754
setProducerSequenceId, 2754
setTextView, 2754
setValue, 2754
toString, 2754
activemq::commands::MessagePull, 2824
~MessagePull, 2825
cloneDataStructure, 2825
consumerId, 2828
copyDataStructure, 2825
correlationId, 2828
destination, 2828
equals, 2826
getConsumerId, 2826
getCorrelationId, 2826
getDataStructureType, 2826
getDestination, 2826, 2827
getMessageId, 2827
getTimeout, 2827
ID_MESSAGEPULL, 2828
messageId, 2828
MessagePull, 2825
setConsumerId, 2827
setCorrelationId, 2827
setDestination, 2827
setMessageId, 2827
setTimeout, 2827
timeout, 2828
toString, 2827
visit, 2827
activemq::commands::NetworkBridgeFilter, 2877
~NetworkBridgeFilter, 2878
cloneDataStructure, 2878

copyDataStructure, 2878
equals, 2879
getDataStructureType, 2879
getNetworkBrokerId, 2879, 2880
getNetworkTTL, 2880
ID_NETWORKBRIDGEFILTER, 2880
NetworkBridgeFilter, 2878
networkBrokerId, 2880
networkTTL, 2880
setNetworkBrokerId, 2880
setNetworkTTL, 2880
toString, 2880
activemq::commands::PartialCommand, 3002
~PartialCommand, 3003
cloneDataStructure, 3003
commandId, 3005
copyDataStructure, 3003
data, 3005
equals, 3003
getCommandId, 3004
getData, 3004
getDataStructureType, 3004
ID_PARTIALCOMMAND, 3005
PartialCommand, 3003
setCommandId, 3004
setData, 3005
toString, 3005
activemq::commands::ProducerAck, 3124
~ProducerAck, 3126
cloneDataStructure, 3126
copyDataStructure, 3126
equals, 3126
getDataStructureType, 3126
getProducerId, 3127
getSize, 3127
ID_PRODUCERACK, 3128
isProducerAck, 3127
ProducerAck, 3126
producerId, 3128
setProducerId, 3127
setSize, 3127
size, 3128
toString, 3127
visit, 3127
activemq::commands::ProducerId, 3157
~ProducerId, 3158
cloneDataStructure, 3158
COMPARATOR, 3158
compareTo, 3159
connectionId, 3161
copyDataStructure, 3159
equals, 3159
getConnectionId, 3159
getDataStructureType, 3159
getParentId, 3160
getSessionId, 3160
getValue, 3160
ID_PRODUCERID, 3161
operator<, 3160
operator=, 3160
operator==, 3160
ProducerId, 3158
sessionId, 3161
setConnectionId, 3160
setProducerSessionKey, 3160
setSessionId, 3160
setValue, 3160
toString, 3160
value, 3161
activemq::commands::ProducerInfo, 3185
~ProducerInfo, 3187
brokerPath, 3190
cloneDataStructure, 3187
copyDataStructure, 3187
createRemoveCommand, 3187
destination, 3190
dispatchAsync, 3190
equals, 3187
getBrokerPath, 3187, 3188
getDataStructureType, 3188
getDestination, 3188
getProducerId, 3188
getWindowSize, 3188
ID_PRODUCERINFO, 3190
isDispatchAsync, 3188
isProducerInfo, 3188
producerId, 3190
ProducerInfo, 3187
setBrokerPath, 3188
setDestination, 3189
setDispatchAsync, 3189
setProducerId, 3189
setWindowSize, 3189
toString, 3189
visit, 3189
windowSize, 3190
activemq::commands::RemoveInfo, 3284
~RemoveInfo, 3285
cloneDataStructure, 3285
copyDataStructure, 3285

equals, 3286
getDataStructureType, 3286
getLastDeliveredSequenceId, 3286
getObjectId, 3286
ID_REMOVEINFO, 3287
isRemoveInfo, 3286
lastDeliveredSequenceId, 3287
objectId, 3287
RemoveInfo, 3285
setLastDeliveredSequenceId, 3286
setObjectId, 3287
toString, 3287
visit, 3287
activemq::commands::RemoveSubscriptionInfo, 3313
~RemoveSubscriptionInfo, 3315
clientId, 3318
cloneDataStructure, 3315
connectionId, 3318
copyDataStructure, 3315
equals, 3315
getClientId, 3315, 3316
getConnectionId, 3316
getDataStructureType, 3316
getSubcriptionName, 3316
ID_REMOVESUBSCRIPTIONINFO, 3318
isRemoveSubscriptionInfo, 3316
RemoveSubscriptionInfo, 3315
setClientId, 3316
setConnectionId, 3317
setSubcriptionName, 3317
subcriptionName, 3318
toString, 3317
visit, 3317
activemq::commands::ReplayCommand, 3343
~ReplayCommand, 3345
cloneDataStructure, 3345
copyDataStructure, 3345
equals, 3345
firstNakNumber, 3347
getDataStructureType, 3345
getFirstNakNumber, 3346
getLastNakNumber, 3346
ID_REPLAYCOMMAND, 3347
lastNakNumber, 3347
ReplayCommand, 3345
setFirstNakNumber, 3346
setLastNakNumber, 3346
toString, 3346
visit, 3346
activemq::commands::Response, 3379
~Response, 3380
cloneDataStructure, 3380
copyDataStructure, 3380
correlationId, 3382
equals, 3381
getCorrelationId, 3381
getDataStructureType, 3381
ID_RESPONSE, 3382
isResponse, 3381
Response, 3380
setCorrelationId, 3381
toString, 3382
visit, 3382
activemq::commands::SessionId, 3476
~SessionId, 3478
cloneDataStructure, 3478
COMPARATOR, 3478
compareTo, 3478
connectionId, 3480
copyDataStructure, 3478
equals, 3478, 3479
getConnectionId, 3479
getDataStructureType, 3479
getParentId, 3479
getValue, 3480
ID_SESSIONID, 3480
operator<, 3480
operator=, 3480
operator==, 3480
SessionId, 3478
setConnectionId, 3480
setValue, 3480
toString, 3480
value, 3480
activemq::commands::SessionInfo, 3505
~SessionInfo, 3506
cloneDataStructure, 3506
copyDataStructure, 3506
createRemoveCommand, 3506
equals, 3507
getAckMode, 3507
getDataStructureType, 3507
getSessionId, 3507
ID_SESSIONINFO, 3508
sessionId, 3508
SessionInfo, 3506
setAckMode, 3507
setSessionId, 3507

toString, 3507
visit, 3508
activemq::commands::ShutdownInfo, 3573
~ShutdownInfo, 3574
cloneDataStructure, 3574
copyDataStructure, 3574
equals, 3574
getDataStructureType, 3574
ID_SHUTDOWNINFO, 3576
isShutdownInfo, 3575
ShutdownInfo, 3574
toString, 3575
visit, 3575
activemq::commands::SubscriptionInfo, 3782
~SubscriptionInfo, 3783
clientId, 3786
cloneDataStructure, 3783
copyDataStructure, 3783
destination, 3786
equals, 3784
getClientId, 3784
getDataStructureType, 3784
getDestination, 3784, 3785
getSelector, 3785
getSubcriptionName, 3785
getSubscribedDestination, 3785
ID_SUBSCRIPTIONINFO, 3786
selector, 3786
setClientId, 3785
setDestination, 3785
setSelector, 3785
setSubcriptionName, 3785
setSubscribedDestination, 3785
subcriptionName, 3786
subscribedDestination, 3786
SubscriptionInfo, 3783
toString, 3785
activemq::commands::TransactionId, 3932
~TransactionId, 3933
cloneDataStructure, 3933
COMPARATOR, 3933
compareTo, 3934
copyDataStructure, 3934
equals, 3934
getDataStructureType, 3934
ID_TRANSACTIONID, 3935
operator<, 3935
operator=, 3935
operator==, 3935
toString, 3935
TransactionId, 3933
activemq::commands::TransactionInfo, 3959
~TransactionInfo, 3961
cloneDataStructure, 3961
connectionId, 3964
copyDataStructure, 3961
equals, 3961
getConnectionId, 3961, 3962
getDataStructureType, 3962
getTransactionId, 3962
getType, 3962
ID_TRANSACTIONINFO, 3964
isTransactionInfo, 3962
setConnectionId, 3962
setTransactionId, 3963
setType, 3963
toString, 3963
transactionId, 3964
TransactionInfo, 3961
type, 3964
visit, 3963
activemq::commands::WireFormatInfo, 4093
~WireFormatInfo, 4096
afterUnmarshal, 4096
beforeMarshal, 4096
cloneDataStructure, 4097
copyDataStructure, 4097
equals, 4097
getCacheSize, 4097
getDataStructureType, 4098
getMagic, 4098
getMarshalledProperties, 4098
getMaxInactivityDuration, 4098
getMaxInactivityDurationInitalDelay, 4098
getProperties, 4099
getVersion, 4099
ID_WIREFORMATINFO, 4104
isCacheEnabled, 4099
isMarshalAware, 4099
isSizePrefixDisabled, 4100
isStackTraceEnabled, 4100
isTcpNoDelayEnabled, 4100
isTightEncodingEnabled, 4100
isValid, 4100
isWireFormatInfo, 4101
setCacheEnabled, 4101
setCacheSize, 4101
setMagic, 4101
setMarshalledProperties, 4101

setMaxInactivityDuration, 4102
setMaxInactivityDurationInitalDelay, 4102
setProperties, 4102
setSizePrefixDisabled, 4102
setStackTraceEnabled, 4103
setTcpNoDelayEnabled, 4103
setTightEncodingEnabled, 4103
setVersion, 4103
toString, 4103
visit, 4104
WireFormatInfo, 4096
activemq::commands::XATransactionId, 4143
~XATransactionId, 4144
branchQualifier, 4147
cloneDataStructure, 4144
COMPARATOR, 4144
compareTo, 4145
copyDataStructure, 4145
equals, 4145
formatId, 4147
getBranchQualifier, 4145
getDataStructureType, 4145
getFormatId, 4146
getGlobalTransactionId, 4146
globalTransactionId, 4147
ID_XATRANSACTIONID, 4147
operator<, 4146
operator=, 4146
operator==, 4146
setBranchQualifier, 4146
setFormatId, 4146
setGlobalTransactionId, 4146
toString, 4146
XATransactionId, 4144
activemq::core, 96
activemq::core::ActiveMQAckHandler, 183
~ActiveMQAckHandler, 184
acknowledgeMessage, 184
activemq::core::ActiveMQConnection, 260
~ActiveMQConnection, 266
ActiveMQConnection, 266
addDispatcher, 266
addProducer, 266
addTransportListener, 267
close, 267
createSession, 267, 268
destroyDestination, 268
fire, 269
getBrokerURL, 269
getClientID, 269
getCloseTimeout, 270
getConnectionId, 270
getConnectionInfo, 270
getExceptionListener, 270
getMetaData, 271
getNextLocalTransactionId, 271
getNextSessionId, 271
getNextTempDestinationId, 271
getPassword, 271
getPrefetchPolicy, 272
getProducerWindowSize, 272
getRedeliveryPolicy, 272
getSendTimeout, 272
getTransport, 272
getUsername, 273
isAlwaysSyncSend, 273
isClosed, 273
isDispatchAsync, 273
isStarted, 273
isTransportFailed, 273
isUseAsyncSend, 274
isUseCompression, 274
onCommand, 274
oneway, 274
onException, 275
removeDispatcher, 275
removeProducer, 275
removeSession, 275
removeTransportListener, 275
sendPullRequest, 276
setAlwaysSyncSend, 276
setBrokerURL, 276
setClientID, 276
setCloseTimeout, 277
setDefaultClientId, 277
setDispatchAsync, 277
setExceptionListener, 278
setPassword, 278
setPrefetchPolicy, 278
setProducerWindowSize, 278
setRedeliveryPolicy, 279
setSendTimeout, 279
setTransportInterruptionProcessingComplete, 279
setUseAsyncSend, 279
setUseCompression, 280
setUsername, 280
start, 280
stop, 280

syncRequest, 280
transportInterrupted, 281
transportResumed, 281
activemq::core::ActiveMQConnectionFactory, 281
~ActiveMQConnectionFactory, 284
ActiveMQConnectionFactory, 284
createConnection, 285, 286
DEFAULT_URI, 293
getBrokerURL, 286
getClientId, 287
getCloseTimeout, 287
getExceptionListener, 287
getPassword, 287
getPrefetchPolicy, 287
getProducerWindowSize, 288
getRedeliveryPolicy, 288
getSendTimeout, 288
getUsername, 288
isAlwaysSyncSend, 289
isDispatchAsync, 289
isUseAsyncSend, 289
isUseCompression, 289
setAlwaysSyncSend, 289
setBrokerURL, 289
setClientId, 290
setCloseTimeout, 290
setDispatchAsync, 290
setExceptionListener, 290
setPassword, 291
setPrefetchPolicy, 291
setProducerWindowSize, 291
setRedeliveryPolicy, 291
setSendTimeout, 292
setUseAsyncSend, 292
setUseCompression, 292
setUsername, 292
activemq::core::ActiveMQConnectionMetaData, 293
~ActiveMQConnectionMetaData, 294
ActiveMQConnectionMetaData, 294
getCMSMajorVersion, 294
getCMSMinorVersion, 294
getCMSProviderName, 295
getCMSVersion, 295
getCMSXPropertyNames, 295
getProviderMajorVersion, 296
getProviderMinorVersion, 296
getProviderVersion, 296
activemq::core::ActiveMQConstants, 297
ACK_TYPE_CONSUMED, 298
ACK_TYPE_DELIVERED, 298
ACK_TYPE_INDIVIDUAL, 298
ACK_TYPE_POISON, 298
ACK_TYPE_REDELIVERED, 298
AckType, 298
CONNECTION_ALWAYSSYNCSEND, 299
CONNECTION_CLOSETIMEOUT, 299
CONNECTION_DISPATCHASYNC, 300
CONNECTION_PRODUCERWINDOWSIZE, 299
CONNECTION_SENDTIMEOUT, 299
CONNECTION_USEASYNCSEND, 299
CONNECTION_USECOMPRESSION, 299
CONSUMER_DISPATCHASYNC, 299
CONSUMER_EXCLUSIVE, 299
CONSUMER_NOLOCAL, 299
CONSUMER_PREFECTCHSIZE, 299
CONSUMER_PRIORITY, 299
CONSUMER_RETROACTIVE, 299
CONSUMER_SELECTOR, 299
CUNSUMER_MAXPENDINGMSGLIMIT, 299
DESTINATION_ADD_OPERATION, 298
DESTINATION_REMOVE_OPERATION, 298
DestinationActions, 298
DestinationOption, 298
NUM_OPTIONS, 299
NUM_PARAMS, 300
PARAM_CLIENTID, 300
PARAM_PASSWORD, 300
PARAM_USERNAME, 300
toDestinationOption, 300
toString, 300
toURIOption, 300
TRANSACTION_STATE_BEGIN, 299
TRANSACTION_STATE_COMMITONEPHASE, 299
TRANSACTION_STATE_COMMITTWOPHASE, 299
TRANSACTION_STATE_END, 299
TRANSACTION_STATE_FORGET, 299

TRANSACTION_STATE_PREPARE, 299
TRANSACTION_STATE_RECOVER, 299
TRANSACTION_STATE_ROLLBACK, 299
TransactionState, 299
URIParam, 299
activemq::core::ActiveMQConstants::StaticInitializer, 3693
~StaticInitializer, 3693
destOptionMap, 3693
destOptions, 3693
StaticInitializer, 3693
uriParams, 3693
uriParamsMap, 3693
activemq::core::ActiveMQConsumer, 300
~ActiveMQConsumer, 303
acknowledge, 303
ActiveMQConsumer, 303
afterMessageIsConsumed, 304
beforeMessageIsConsumed, 304
clearMessagesInProgress, 304
close, 304
commit, 305
deliverAcks, 305
dequeue, 305
dispatch, 305
doClose, 305
getConsumerId, 306
getConsumerInfo, 306
getLastDeliveredSequenceId, 306
getMessageAvailableCount, 306
getMessageListener, 306
getMessageSelector, 307
getRedeliveryPolicy, 307
inProgressClearRequired, 307
isClosed, 307
isSynchronizationRegistered, 307
iterate, 308
receive, 308
receiveNoWait, 309
rollback, 309
setLastDeliveredSequenceId, 309
setMessageListener, 309
setRedeliveryPolicy, 310
setSynchronizationRegistered, 310
start, 310
stop, 310
activemq::core::ActiveMQProducer, 466
~ActiveMQProducer, 468
ActiveMQProducer, 468
close, 468
getDeliveryMode, 468
getDisableMessageID, 469
getDisableMessageTimeStamp, 469
getPriority, 469
getProducerId, 469
getProducerInfo, 470
getSendTimeout, 470
getTimeToLive, 470
isClosed, 470
onProducerAck, 470
send, 471, 472
setDeliveryMode, 473
setDisableMessageID, 473
setDisableMessageTimeStamp, 473
setPriority, 473
setSendTimeout, 474
setTimeToLive, 474
activemq::core::ActiveMQQueueBrowser, 483
~ActiveMQQueueBrowser, 484
ActiveMQQueueBrowser, 484
Browser, 486
close, 484
getEnumeration, 485
getMessageSelector, 485
getQueue, 485
hasMoreMessages, 486
nextMessage, 486
activemq::core::ActiveMQSession, 512
~ActiveMQSession, 517
acknowledge, 517
ActiveMQSession, 517
ActiveMQSessionExecutor, 532
addConsumer, 517
addProducer, 517
clearMessagesInProgress, 518
close, 518
commit, 518
createBrowser, 518, 519
createBytesMessage, 519
createConsumer, 520, 521
createDurableConsumer, 521
createMapMessage, 521
createMessage, 522
createProducer, 522
createQueue, 522
createStreamMessage, 523

createTemporaryQueue, 523
createTemporaryTopic, 523
createTextMessage, 523, 524
createTopic, 524
deliverAcks, 524
dispatch, 525
doStartTransaction, 525
fire, 525
getAcknowledgeMode, 525
getConnection, 525
getExceptionListener, 526
getLastDeliveredSequenceId, 526
getNextConsumerId, 526
getNextProducerId, 526
getSessionId, 526
getSessionInfo, 527
getTransactionContext, 527
isAutoAcknowledge, 527
isClientAcknowledge, 527
isDupsOkAcknowledge, 527
isIndividualAcknowledge, 527
isStarted, 528
isTransacted, 528
oneway, 528
recover, 528
redispatch, 529
removeConsumer, 529
removeProducer, 529
rollback, 530
send, 530
setLastDeliveredSequenceId, 530
start, 531
stop, 531
syncRequest, 531
unsubscribe, 531
wakeup, 531
activemq::core::ActiveMQSessionExecutor, 532
~ActiveMQSessionExecutor, 533
ActiveMQSessionExecutor, 533
clear, 533
clearMessagesInProgress, 533
close, 533
execute, 534
executeFirst, 534
getUnconsumedMessages, 534
hasUncomsumedMessages, 534
isEmpty, 534
isRunning, 535
iterate, 535
start, 535
stop, 535
wakeup, 535
activemq::core::ActiveMQTransactionContext, 727
~ActiveMQTransactionContext, 728
ActiveMQTransactionContext, 728
addSynchronization, 728
begin, 728
commit, 728
getTransactionId, 729
isInTransaction, 729
removeSynchronization, 729
rollback, 729
activemq::core::DispatchData, 1839
DispatchData, 1840
getConsumerId, 1840
getMessage, 1840
activemq::core::Dispatcher, 1840
~Dispatcher, 1841
dispatch, 1841
activemq::core::MessageDispatchChannel, 2683
~MessageDispatchChannel, 2685
clear, 2685
close, 2685
dequeue, 2685
dequeueNoWait, 2685
enqueue, 2686
enqueueFirst, 2686
isClosed, 2686
isEmpty, 2686
isRunning, 2686
lock, 2687
MessageDispatchChannel, 2685
notify, 2687
notifyAll, 2687
peek, 2687
removeAll, 2688
size, 2688
start, 2688
stop, 2688
tryLock, 2688
unlock, 2689
wait, 2689, 2690
activemq::core::policies, 98
activemq::core::policies::DefaultPrefetchPolicy, 1726
~DefaultPrefetchPolicy, 1727
clone, 1727

DEFAULT_DURABLE_TOPIC_PREFETCH, 1730
DEFAULT_QUEUE_BROWSER_PREFETCH, 1730
DEFAULT_QUEUE_PREFETCH, 1730
DEFAULT_TOPIC_PREFETCH, 1730
DefaultPrefetchPolicy, 1727
getDurableTopicPrefetch, 1728
getMaxPrefetchLimit, 1728
getQueueBrowserPrefetch, 1728
getQueuePrefetch, 1728
getTopicPrefetch, 1728
MAX_PREFETCH_SIZE, 1730
setDurableTopicPrefetch, 1729
setQueueBrowserPrefetch, 1729
setQueuePrefetch, 1729
setTopicPrefetch, 1729
activemq::core::policies::DefaultRedeliveryPolicy, 1730
~DefaultRedeliveryPolicy, 1731
clone, 1731
DefaultRedeliveryPolicy, 1731
getBackOffMultiplier, 1731
getCollisionAvoidancePercent, 1732
getInitialRedeliveryDelay, 1732
getMaximumRedeliveries, 1732
getRedeliveryDelay, 1732
isUseCollisionAvoidance, 1733
isUseExponentialBackOff, 1733
setBackOffMultiplier, 1733
setCollisionAvoidancePercent, 1733
setInitialRedeliveryDelay, 1733
setMaximumRedeliveries, 1734
setUseCollisionAvoidance, 1734
setUseExponentialBackOff, 1734
activemq::core::PrefetchPolicy, 3062
~PrefetchPolicy, 3064
clone, 3064
configure, 3064
getDurableTopicPrefetch, 3065
getMaxPrefetchLimit, 3065
getQueueBrowserPrefetch, 3065
getQueuePrefetch, 3065
getTopicPrefetch, 3065
PrefetchPolicy, 3064
setDurableTopicPrefetch, 3066
setQueueBrowserPrefetch, 3066
setQueuePrefetch, 3066
setTopicPrefetch, 3066
activemq::core::RedeliveryPolicy, 3267
~RedeliveryPolicy, 3269
clone, 3269
configure, 3269
getBackOffMultiplier, 3269
getCollisionAvoidancePercent, 3270
getInitialRedeliveryDelay, 3270
getMaximumRedeliveries, 3270
getRedeliveryDelay, 3270
isUseCollisionAvoidance, 3271
isUseExponentialBackOff, 3271
NO_MAXIMUM_REDELIVERIES, 3272
RedeliveryPolicy, 3269
setBackOffMultiplier, 3271
setCollisionAvoidancePercent, 3271
setInitialRedeliveryDelay, 3271
setMaximumRedeliveries, 3272
setUseCollisionAvoidance, 3272
setUseExponentialBackOff, 3272
activemq::core::Synchronization, 3826
~Synchronization, 3827
afterCommit, 3827
afterRollback, 3827
beforeEnd, 3827
activemq::exceptions, 98
activemq::exceptions::ActiveMQException, 348
~ActiveMQException, 349
ActiveMQException, 348, 349
clone, 349
convertToCMSException, 349
activemq::exceptions::BrokerException, 873
~BrokerException, 874
BrokerException, 874
clone, 874
activemq::io, 98
activemq::io::LoggingInputStream, 2474
~LoggingInputStream, 2475
doReadArrayBounded, 2475
doReadByte, 2475
LoggingInputStream, 2475
activemq::io::LoggingOutputStream, 2476
~LoggingOutputStream, 2476
doWriteArrayBounded, 2477
doWriteByte, 2477
LoggingOutputStream, 2476
activemq::library, 98
activemq::library::ActiveMQCPP, 310
~ActiveMQCPP, 311
ActiveMQCPP, 311

initializeLibrary, 311
operator=, 312
shutdownLibrary, 312
activemq::state, 98
activemq::state::CommandVisitor, 1233
~CommandVisitor, 1235
processBeginTransaction, 1235
processBrokerError, 1235
processBrokerInfo, 1236
processCommitTransactionOnePhase, 1236
processCommitTransactionTwoPhase, 1236
processConnectionControl, 1236
processConnectionError, 1236
processConnectionInfo, 1236
processConsumerControl, 1236
processConsumerInfo, 1237
processControlCommand, 1237
processDestinationInfo, 1237
processEndTransaction, 1237
processFlushCommand, 1237
processForgetTransaction, 1238
processKeepAliveInfo, 1238
processMessage, 1238
processMessageAck, 1238
processMessageDispatch, 1238
processMessageDispatchNotification, 1239
processMessagePull, 1239
processPrepareTransaction, 1239
processProducerAck, 1239
processProducerInfo, 1239
processRecoverTransactions, 1239
processRemoveConnection, 1239
processRemoveConsumer, 1239
processRemoveDestination, 1240
processRemoveInfo, 1240
processRemoveProducer, 1240
processRemoveSession, 1240
processRemoveSubscriptionInfo, 1240
processReplayCommand, 1241
processResponse, 1241
processRollbackTransaction, 1241
processSessionInfo, 1241
processShutdownInfo, 1241
processTransactionInfo, 1241
processWireFormat, 1241
activemq::state::CommandVisitorAdapter, 1242
~CommandVisitorAdapter, 1245
processBeginTransaction, 1245
processBrokerError, 1245
processBrokerInfo, 1245
processCommitTransactionOnePhase, 1245
processCommitTransactionTwoPhase, 1245
processConnectionControl, 1245
processConnectionError, 1245
processConnectionInfo, 1245
processConsumerControl, 1245
processConsumerInfo, 1245
processControlCommand, 1245
processDestinationInfo, 1245
processEndTransaction, 1245
processFlushCommand, 1245
processForgetTransaction, 1245
processKeepAliveInfo, 1245
processMessage, 1245
processMessageAck, 1245
processMessageDispatch, 1245
processMessageDispatchNotification, 1245
processMessagePull, 1245
processPrepareTransaction, 1245
processProducerAck, 1245
processProducerInfo, 1245
processRecoverTransactions, 1245
processRemoveConnection, 1245
processRemoveConsumer, 1245
processRemoveDestination, 1245
processRemoveInfo, 1245
processRemoveProducer, 1246
processRemoveSession, 1247
processRemoveSubscriptionInfo, 1247
processReplayCommand, 1247
processResponse, 1247
processRollbackTransaction, 1247
processSessionInfo, 1247
processShutdownInfo, 1247
processTransactionInfo, 1247
processWireFormat, 1248
activemq::state::ConnectionState, 1429
~ConnectionState, 1431
addSession, 1431
addTempDestination, 1431
addTransactionState, 1431
checkShutdown, 1431
ConnectionState, 1431

getInfo, 1431
getRecoveringPullConsumers, 1431
getSessionState, 1431
getSessionStates, 1431
getTempDesinations, 1431
getTransactionState, 1431
getTransactionStates, 1431
isConnectionInterruptProcessingComplete, 1432
removeSession, 1432
removeTempDestination, 1432
removeTransactionState, 1432
reset, 1432
setConnectionInterruptProcessingComplete, 1432
shutdown, 1432
toString, 1432
activemq::state::ConnectionStateTracker, 1432
~ConnectionStateTracker, 1435
connectionInterruptProcessingComplete, 1435
ConnectionStateTracker, 1435
getMaxCacheSize, 1435
isRestoreConsumers, 1435
isRestoreProducers, 1435
isRestoreSessions, 1435
isRestoreTransaction, 1435
isTrackMessages, 1435
isTrackTransactionProducers, 1435
isTrackTransactions, 1435
processBeginTransaction, 1435
processCommitTransactionOnePhase, 1435
processCommitTransactionTwoPhase, 1436
processConnectionInfo, 1436
processConsumerInfo, 1436
processDestinationInfo, 1436
processEndTransaction, 1436
processMessage, 1436
processMessageAck, 1437
processPrepareTransaction, 1437
processProducerInfo, 1437
processRemoveConnection, 1437
processRemoveConsumer, 1437
processRemoveDestination, 1437
processRemoveProducer, 1438
processRemoveSession, 1438
processRollbackTransaction, 1438
processSessionInfo, 1438
RemoveTransactionAction, 1439
restore, 1438
setMaxCacheSize, 1439
setRestoreConsumers, 1439
setRestoreProducers, 1439
setRestoreSessions, 1439
setRestoreTransaction, 1439
setTrackMessages, 1439
setTrackTransactionProducers, 1439
setTrackTransactions, 1439
track, 1439
trackBack, 1439
transportInterrupted, 1439
activemq::state::ConsumerState, 1535
~ConsumerState, 1536
ConsumerState, 1536
getInfo, 1536
toString, 1536
activemq::state::ProducerState, 3216
~ProducerState, 3216
getInfo, 3216
getTransactionState, 3216
ProducerState, 3216
setTransactionState, 3216
toString, 3216
activemq::state::SessionState, 3536
~SessionState, 3537
addConsumer, 3537
addProducer, 3537
checkShutdown, 3537
getConsumerState, 3537
getConsumerStates, 3537
getInfo, 3537
getProducerState, 3537
getProducerStates, 3537
removeConsumer, 3537
removeProducer, 3537
SessionState, 3537
shutdown, 3537
toString, 3537
activemq::state::Tracked, 3931
~Tracked, 3932
isWaitingForResponse, 3932
onResponse, 3932
Tracked, 3932
activemq::state::TransactionState, 3989
~TransactionState, 3991
addCommand, 3991
addProducerState, 3991
checkShutdown, 3991

getCommands, 3991
getId, 3991
getPreparedResult, 3991
getProducerStates, 3991
isPrepared, 3991
setPrepared, 3991
setPreparedResult, 3991
shutdown, 3991
toString, 3991
TransactionState, 3991
activemq::threads, 99
activemq::threads::CompositeTask, 1255
~CompositeTask, 1255
isPending, 1255
activemq::threads::CompositeTaskRunner, 1256
~CompositeTaskRunner, 1257
addTask, 1257
CompositeTaskRunner, 1257
iterate, 1257
removeTask, 1257
run, 1258
shutdown, 1258
wakeup, 1258
activemq::threads::DedicatedTaskRunner, 1724
~DedicatedTaskRunner, 1725
DedicatedTaskRunner, 1725
run, 1725
shutdown, 1725
wakeup, 1726
activemq::threads::Task, 3846
~Task, 3847
iterate, 3847
activemq::threads::TaskRunner, 3849
~TaskRunner, 3849
shutdown, 3849
wakeup, 3850
activemq::transport, 99
activemq::transport::AbstractTransportFactory, 182
~AbstractTransportFactory, 183
createWireFormat, 183
activemq::transport::CompositeTransport, 1259
~CompositeTransport, 1259
addURI, 1259
removeURI, 1260
activemq::transport::correlator, 100
activemq::transport::correlator::FutureResponse, 2032
~FutureResponse, 2033
FutureResponse, 2033
getResponse, 2033, 2034
setResponse, 2034
activemq::transport::correlator::ResponseCorrelator, 3384
~ResponseCorrelator, 3385
close, 3386
onCommand, 3386
oneway, 3386
onTransportException, 3387
request, 3387
ResponseCorrelator, 3385
start, 3388
activemq::transport::DefaultTransportListener, 1757
~DefaultTransportListener, 1758
onCommand, 1758
onException, 1758
transportInterrupted, 1758
transportResumed, 1758
activemq::transport::failover, 100
activemq::transport::failover::BackupTransport, 759
~BackupTransport, 760
BackupTransport, 760
getTransport, 760
getUri, 760
isClosed, 760
onException, 760
setClosed, 761
setTransport, 761
setUri, 761
activemq::transport::failover::BackupTransportPool, 761
~BackupTransportPool, 763
BackupTransport, 764
BackupTransportPool, 763
getBackup, 763
getBackupPoolSize, 763
isEnabled, 763
isPending, 763
iterate, 764
setBackupPoolSize, 764
setEnabled, 764
activemq::transport::failover::CloseTransportsTask, 1182
~CloseTransportsTask, 1182
add, 1182
CloseTransportsTask, 1182
isPending, 1182

iterate, 1182
activemq::transport::failover::FailoverTransport, 1930
~FailoverTransport, 1933
add, 1933
addURI, 1933
close, 1933
FailoverTransport, 1933
FailoverTransportListener, 1942
getBackOffMultiplier, 1934
getBackupPoolSize, 1934
getInitialReconnectDelay, 1934
getMaxCacheSize, 1934
getMaxReconnectAttempts, 1934
getMaxReconnectDelay, 1934
getReconnectDelay, 1934
getRemoteAddress, 1934
getStartupMaxReconnectAttempts, 1934
getTimeout, 1935
getTransportListener, 1935
handleTransportFailure, 1935
isBackup, 1935
isClosed, 1935
isConnected, 1935
isFaultTolerant, 1936
isInitialized, 1936
isPending, 1936
isRandomize, 1936
isTrackMessages, 1937
isTrackTransactionProducers, 1937
isUseExponentialBackOff, 1937
iterate, 1937
narrow, 1937
oneway, 1937
reconnect, 1938
removeURI, 1938
request, 1938, 1939
restoreTransport, 1939
setBackOffMultiplier, 1940
setBackup, 1940
setBackupPoolSize, 1940
setConnectionInterruptProcessingComplete, 1940
setInitialized, 1940
setInitialReconnectDelay, 1940
setMaxCacheSize, 1941
setMaxReconnectAttempts, 1941
setMaxReconnectDelay, 1941
setRandomize, 1941
setReconnectDelay, 1941
setStartupMaxReconnectAttempts, 1941
setTimeout, 1941
setTrackMessages, 1941
setTrackTransactionProducers, 1941
setTransportListener, 1941
setUseExponentialBackOff, 1941
setWireFormat, 1941
start, 1942
stop, 1942
activemq::transport::failover::FailoverTransportFactory, 1942
~FailoverTransportFactory, 1944
create, 1944
createComposite, 1944
doCreateComposite, 1944
activemq::transport::failover::FailoverTransportListener, 1945
~FailoverTransportListener, 1946
FailoverTransportListener, 1946
onCommand, 1946
onException, 1946
transportInterrupted, 1947
transportResumed, 1947
activemq::transport::failover::URIPool, 4054
~URIPool, 4055
addURI, 4055
addURIs, 4055
getURI, 4056
isRandomize, 4056
removeURI, 4056
setRandomize, 4056
URIPool, 4055
activemq::transport::inactivity, 101
activemq::transport::inactivity::InactivityMonitor, 2065
~InactivityMonitor, 2067
AsyncSignalReadErrorkTask, 2069
AsyncWriteTask, 2069
close, 2067
getInitialDelayTime, 2067
getReadCheckTime, 2067
getWriteCheckTime, 2067
InactivityMonitor, 2067
isKeepAliveResponseRequired, 2067
onCommand, 2067
oneway, 2068
onException, 2068
ReadChecker, 2069
setInitialDelayTime, 2068
setKeepAliveResponseRequired, 2069

setReadCheckTime, 2069
setWriteCheckTime, 2069
WriteChecker, 2069
activemq::transport::inactivity::ReadChecker, 3253
~ReadChecker, 3253
ReadChecker, 3253
run, 3253
activemq::transport::inactivity::WriteChecker, 4132
~WriteChecker, 4133
run, 4133
WriteChecker, 4133
activemq::transport::IOTransport, 2213
~IOTransport, 2215
close, 2215
getRemoteAddress, 2216
getTransportListener, 2216
IOTransport, 2215
isClosed, 2216
isConnected, 2216
isFaultTolerant, 2216
narrow, 2217
oneway, 2217
reconnect, 2217
request, 2218
run, 2219
setInputStream, 2219
setOutputStream, 2219
setTransportListener, 2219
setWireFormat, 2219
start, 2220
stop, 2220
activemq::transport::logging, 101
activemq::transport::logging::LoggingTransport, 2477
~LoggingTransport, 2478
LoggingTransport, 2478
onCommand, 2478
oneway, 2478
request, 2479
activemq::transport::mock, 101
activemq::transport::mock::InternalCommandListener, 2192
~InternalCommandListener, 2193
InternalCommandListener, 2193
onCommand, 2193
run, 2193
setResponseBuilder, 2193
setTransport, 2193
activemq::transport::mock::MockTransport, 2854
~MockTransport, 2857
close, 2857
fireCommand, 2857
fireException, 2857
getInstance, 2857
getNumReceivedMessageBeforeFail, 2858
getNumReceivedMessages, 2858
getNumSentKeepAlives, 2858
getNumSentKeepAlivesBeforeFail, 2858
getNumSentMessageBeforeFail, 2858
getNumSentMessages, 2858
getRemoteAddress, 2858
getTransportListener, 2858
getWireFormat, 2858
isClosed, 2859
isConnected, 2859
isFailOnClose, 2859
isFailOnKeepAliveSends, 2859
isFailOnReceiveMessage, 2859
isFailOnSendMessage, 2859
isFailOnStart, 2859
isFailOnStop, 2859
isFaultTolerant, 2859
MockTransport, 2857
narrow, 2860
oneway, 2860
reconnect, 2860
request, 2861
setFailOnClose, 2862
setFailOnKeepAliveSends, 2862
setFailOnReceiveMessage, 2862
setFailOnSendMessage, 2862
setFailOnStart, 2862
setFailOnStop, 2862
setNumReceivedMessageBeforeFail, 2862
setNumReceivedMessages, 2862
setNumSentKeepAlives, 2862
setNumSentKeepAlivesBeforeFail, 2862
setNumSentMessageBeforeFail, 2862
setNumSentMessages, 2862
setOutgoingListener, 2862
setResponseBuilder, 2863
setTransportListener, 2863
setWireFormat, 2863
start, 2863
stop, 2864

activemq::transport::mock::MockTransportFactory, 2864
~MockTransportFactory, 2865
create, 2865
createComposite, 2865
doCreateComposite, 2866
activemq::transport::mock::ResponseBuilder, 3382
~ResponseBuilder, 3383
buildIncomingCommands, 3383
buildResponse, 3383
activemq::transport::tcp, 102
activemq::transport::tcp::SslTransport, 3682
~SslTransport, 3683
configureSocket, 3683
createSocket, 3683
SslTransport, 3683
activemq::transport::tcp::SslTransportFactory, 3684
~SslTransportFactory, 3685
doCreateComposite, 3685
activemq::transport::tcp::TcpTransport, 3865
~TcpTransport, 3866
close, 3867
configureSocket, 3867
connect, 3867
createSocket, 3868
isClosed, 3868
isConnected, 3868
isFaultTolerant, 3868
TcpTransport, 3866
activemq::transport::tcp::TcpTransportFactory, 3869
~TcpTransportFactory, 3870
create, 3870
createComposite, 3870
doCreateComposite, 3870
activemq::transport::Transport, 3996
~Transport, 3998
getRemoteAddress, 3998
getTransportListener, 3998
isClosed, 3998
isConnected, 3998
isFaultTolerant, 3999
narrow, 3999
oneway, 3999
reconnect, 4000
request, 4000, 4001
setTransportListener, 4001
setWireFormat, 4002
start, 4002
stop, 4002
activemq::transport::TransportFactory, 4003
~TransportFactory, 4003
create, 4003
createComposite, 4004
activemq::transport::TransportFilter, 4004
~TransportFilter, 4007
close, 4007
fire, 4007
getRemoteAddress, 4008
getTransportListener, 4008
isClosed, 4008
isConnected, 4008
isFaultTolerant, 4009
listener, 4013
narrow, 4009
next, 4013
onCommand, 4009
oneway, 4010
onException, 4010
reconnect, 4010
request, 4011
setTransportListener, 4012
setWireFormat, 4012
start, 4012
stop, 4012
TransportFilter, 4007
transportInterrupted, 4013
transportResumed, 4013
activemq::transport::TransportListener, 4013
~TransportListener, 4014
onCommand, 4014
onException, 4014
transportInterrupted, 4015
transportResumed, 4015
activemq::transport::TransportRegistry, 4015
~TransportRegistry, 4016
findFactory, 4016
getInstance, 4017
getTransportNames, 4017
registerFactory, 4017
unregisterFactory, 4018
activemq::util, 102
activemq::util::ActiveMQProperties, 474
~ActiveMQProperties, 476
ActiveMQProperties, 476
clear, 476
clone, 476
copy, 476

getProperties, 476, 477
getProperty, 477
hasProperty, 477
isEmpty, 478
remove, 478
setProperties, 478
setProperty, 478
toArray, 478
toString, 479
activemq::util::CMSExceptionSupport, 1194
~CMSExceptionSupport, 1195
create, 1195
createMessageEOFException, 1195
createMessageFormatException, 1195
activemq::util::CompositeData, 1253
~CompositeData, 1254
CompositeData, 1254
getComponents, 1254
getFragment, 1254
getHost, 1254
getParameters, 1254
getPath, 1254
getScheme, 1254
setComponents, 1254
setFragment, 1254
setHost, 1254
setParameters, 1254
setPath, 1254
setScheme, 1254
toURI, 1254
activemq::util::IdGenerator, 2052
~IdGenerator, 2053
compare, 2053
generateId, 2053
getHostname, 2053
getSeedFromId, 2053
getSequenceFromId, 2053
IdGenerator, 2053
activemq::util::LongSequenceGenerator, 2535
~LongSequenceGenerator, 2535
getLastSequenceId, 2535
getNextSequenceId, 2535
LongSequenceGenerator, 2535
activemq::util::MarshallingSupport, 2571
~MarshallingSupport, 2572
asciiToModifiedUtf8, 2572
MarshallingSupport, 2572
modifiedUtf8ToAscii, 2573
readString16, 2573
readString32, 2573
writeString, 2574
writeString16, 2574
writeString32, 2575
activemq::util::MemoryUsage, 2592
~MemoryUsage, 2594
decreaseUsage, 2594
enqueueUsage, 2594
getLimit, 2594
getUsage, 2594
increaseUsage, 2595
isFull, 2595
MemoryUsage, 2593
setLimit, 2595
setUsage, 2595
waitForSpace, 2595
activemq::util::PrimitiveList, 3067
~PrimitiveList, 3070
getBool, 3070
getByte, 3071
getByteArray, 3071
getChar, 3072
getDouble, 3072
getFloat, 3072
getInt, 3073
getLong, 3073
getShort, 3074
getString, 3074
PrimitiveList, 3070
setBool, 3075
setByte, 3075
setByteArray, 3076
setChar, 3076
setDouble, 3076
setFloat, 3077
setInt, 3077
setLong, 3078
setShort, 3078
setString, 3078
toString, 3079
activemq::util::PrimitiveMap, 3079
~PrimitiveMap, 3082
getBool, 3082
getByte, 3083
getByteArray, 3083
getChar, 3084
getDouble, 3084
getFloat, 3085
getInt, 3085
getLong, 3085
getShort, 3086

getString, 3086
PrimitiveMap, 3082
setBool, 3087
setByte, 3087
setByteArray, 3087
setChar, 3088
setDouble, 3088
setFloat, 3088
setInt, 3088
setLong, 3089
setShort, 3089
setString, 3089
toString, 3089
activemq::util::PrimitiveValueConverter, 3098
~PrimitiveValueConverter, 3099
convert, 3099
PrimitiveValueConverter, 3099
activemq::util::PrimitiveValueNode, 3099
~PrimitiveValueNode, 3107
BIG_STRING_TYPE, 3104
BOOLEAN_TYPE, 3104
BYTE_ARRAY_TYPE, 3104
BYTE_TYPE, 3104
CHAR_TYPE, 3104
clear, 3107
DOUBLE_TYPE, 3104
FLOAT_TYPE, 3104
getBool, 3107
getByte, 3107
getByteArray, 3108
getChar, 3108
getDouble, 3108
getFloat, 3109
getInt, 3109
getList, 3109
getLong, 3109
getMap, 3110
getShort, 3110
getString, 3110
getType, 3111
getValue, 3111
INTEGER_TYPE, 3104
LIST_TYPE, 3104
LONG_TYPE, 3104
MAP_TYPE, 3104
NULL_TYPE, 3104
operator=, 3111
operator==, 3111
PrimitiveType, 3104
PrimitiveValueNode, 3104–3107
setBool, 3111
setByte, 3112
setByteArray, 3112
setChar, 3112
setDouble, 3112
setFloat, 3112
setInt, 3113
setList, 3113
setLong, 3113
setMap, 3113
setShort, 3114
setString, 3114
setValue, 3114
SHORT_TYPE, 3104
STRING_TYPE, 3104
toString, 3114
activemq::util::PrimitiveValueNode::PrimitiveValue, 3097
boolValue, 3098
byteArrayValue, 3098
byteValue, 3098
charValue, 3098
doubleValue, 3098
floatValue, 3098
intValue, 3098
listValue, 3098
longValue, 3098
mapValue, 3098
shortValue, 3098
stringValue, 3098
activemq::util::URISupport, 4057
createQueryString, 4058
parseComposite, 4058
parseQuery, 4058, 4059
parseURL, 4059
activemq::util::Usage, 4075
~Usage, 4076
decreaseUsage, 4076
enqueueUsage, 4076
increaseUsage, 4077
isFull, 4077
waitForSpace, 4077
activemq::wireformat, 103
activemq::wireformat::MarshalAware, 2564
~MarshalAware, 2565
afterMarshal, 2565
afterUnmarshal, 2565
beforeMarshal, 2565
beforeUnmarshal, 2565
getMarshaledForm, 2566

isMarshalAware, 2566
setMarshaledForm, 2566
activemq::wireformat::openwire, 103
activemq::wireformat::openwire::marshal, 104
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 814
~BaseDataStreamMarshaller, 820
looseMarshal, 820
looseMarshalBrokerError, 820
looseMarshalCachedObject, 821
looseMarshalLong, 821
looseMarshalNestedObject, 822
looseMarshalObjectArray, 822
looseMarshalString, 822
looseUnmarshal, 823
looseUnmarshalBrokerError, 823
looseUnmarshalByteArray, 824
looseUnmarshalCachedObject, 824
looseUnmarshalConstByteArray, 824
looseUnmarshalLong, 825
looseUnmarshalNestedObject, 825
looseUnmarshalString, 826
readAsciiString, 826
tightMarshal1, 826
tightMarshal2, 827
tightMarshalBrokerError1, 827
tightMarshalBrokerError2, 828
tightMarshalCachedObject1, 828
tightMarshalCachedObject2, 828
tightMarshalLong1, 829
tightMarshalLong2, 829
tightMarshalNestedObject1, 830
tightMarshalNestedObject2, 830
tightMarshalObjectArray1, 831
tightMarshalObjectArray2, 831
tightMarshalString1, 831
tightMarshalString2, 832
tightUnmarshal, 832
tightUnmarshalBrokerError, 833
tightUnmarshalByteArray, 833
tightUnmarshalCachedObject, 833
tightUnmarshalConstByteArray, 834
tightUnmarshalLong, 834
tightUnmarshalNestedObject, 835
tightUnmarshalString, 835
toHexFromBytes, 836
toString, 836, 837
activemq::wireformat::openwire::marshal::DataStreamMarshaller, 1660
~DataStreamMarshaller, 1661
createObject, 1661
getDataStructureType, 1668
looseMarshal, 1675
looseUnmarshal, 1683
tightMarshal1, 1690
tightMarshal2, 1698
tightUnmarshal, 1705
activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller, 3090
~PrimitiveTypesMarshaller, 3092
marshal, 3092
marshalList, 3092
marshalMap, 3093
marshalPrimitive, 3093
marshalPrimitiveList, 3093
marshalPrimitiveMap, 3094
PrimitiveTypesMarshaller, 3092
unmarshal, 3094
unmarshalList, 3095
unmarshalMap, 3095
unmarshalPrimitive, 3096
unmarshalPrimitiveList, 3096
unmarshalPrimitiveMap, 3096
activemq::wireformat::openwire::marshal::v1, 104
activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshall 194
~ActiveMQBlobMessageMarshaller, 195
ActiveMQBlobMessageMarshaller, 195
createObject, 195
getDataStructureType, 195
looseMarshal, 195
looseUnmarshal, 196
tightMarshal1, 196
tightMarshal2, 197
tightUnmarshal, 197
activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshal 239
~ActiveMQBytesMessageMarshaller, 240
ActiveMQBytesMessageMarshaller, 240
createObject, 240
getDataStructureType, 240
looseMarshal, 241
looseUnmarshal, 241
tightMarshal1, 241
tightMarshal2, 242
tightUnmarshal, 242

activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller, 328
~ActiveMQDestinationMarshaller, 329
ActiveMQDestinationMarshaller, 329
looseMarshal, 329
looseUnmarshal, 329
tightMarshal1, 330
tightMarshal2, 330
tightUnmarshal, 331
activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller, 369
~ActiveMQMapMessageMarshaller, 370
ActiveMQMapMessageMarshaller, 370
createObject, 370
getDataStructureType, 370
looseMarshal, 370
looseUnmarshal, 371
tightMarshal1, 371
tightMarshal2, 372
tightUnmarshal, 372
activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller, 397
~ActiveMQMessageMarshaller, 398
ActiveMQMessageMarshaller, 398
createObject, 398
getDataStructureType, 398
looseMarshal, 399
looseUnmarshal, 399
tightMarshal1, 399
tightMarshal2, 400
tightUnmarshal, 400
activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller, 445
~ActiveMQObjectMessageMarshaller, 446
ActiveMQObjectMessageMarshaller, 446
createObject, 446
getDataStructureType, 446
looseMarshal, 446
looseUnmarshal, 447
tightMarshal1, 447
tightMarshal2, 448
tightUnmarshal, 448
activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller, 491
~ActiveMQQueueMarshaller, 492
ActiveMQQueueMarshaller, 492
createObject, 492
getDataStructureType, 492
looseMarshal, 493
looseUnmarshal, 493
tightMarshal1, 493
tightMarshal2, 494
tightUnmarshal, 494
activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMe 557
~ActiveMQStreamMessageMarshaller, 558
ActiveMQStreamMessageMarshaller, 558
createObject, 558
getDataStructureType, 559
looseMarshal, 559
looseUnmarshal, 559
tightMarshal1, 560
tightMarshal2, 560
tightUnmarshal, 561
activemq::wireformat::openwire::marshal::v1::ActiveMQTempDest 587
~ActiveMQTempDestinationMarshaller, 588
ActiveMQTempDestinationMarshaller, 588
looseMarshal, 588
looseUnmarshal, 588
tightMarshal1, 589
tightMarshal2, 589
tightUnmarshal, 590
activemq::wireformat::openwire::marshal::v1::ActiveMQTempQue 615
~ActiveMQTempQueueMarshaller, 616
ActiveMQTempQueueMarshaller, 616
createObject, 616
getDataStructureType, 617
looseMarshal, 617
looseUnmarshal, 617
tightMarshal1, 618
tightMarshal2, 618
tightUnmarshal, 619
activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopi 649
~ActiveMQTempTopicMarshaller, 651
ActiveMQTempTopicMarshaller, 651
createObject, 651
getDataStructureType, 651
looseMarshal, 651
looseUnmarshal, 652
tightMarshal1, 652

tightMarshal2, 653
tightUnmarshal, 653
activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller, 680
~ActiveMQTextMessageMarshaller, 681
ActiveMQTextMessageMarshaller, 681
createObject, 681
getDataStructureType, 681
looseMarshal, 682
looseUnmarshal, 682
tightMarshal1, 682
tightMarshal2, 683
tightUnmarshal, 683
activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller, 710
~ActiveMQTopicMarshaller, 711
ActiveMQTopicMarshaller, 711
createObject, 711
getDataStructureType, 711
looseMarshal, 711
looseUnmarshal, 712
tightMarshal1, 712
tightMarshal2, 713
tightUnmarshal, 713
activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller, 786
~BaseCommandMarshaller, 787
BaseCommandMarshaller, 787
looseMarshal, 787
looseUnmarshal, 788
tightMarshal1, 789
tightMarshal2, 790
tightUnmarshal, 791
activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller, 886
~BrokerIdMarshaller, 887
BrokerIdMarshaller, 887
createObject, 887
getDataStructureType, 888
looseMarshal, 888
looseUnmarshal, 888
tightMarshal1, 889
tightMarshal2, 889
tightUnmarshal, 890
activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller, 919
~BrokerInfoMarshaller, 920
BrokerInfoMarshaller, 920
createObject, 920
getDataStructureType, 920
looseMarshal, 921
looseUnmarshal, 921
tightMarshal1, 921
tightMarshal2, 922
tightUnmarshal, 922
activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller, 1315
~ConnectionControlMarshaller, 1316
ConnectionControlMarshaller, 1316
createObject, 1316
getDataStructureType, 1317
looseMarshal, 1317
looseUnmarshal, 1317
tightMarshal1, 1318
tightMarshal2, 1318
tightUnmarshal, 1319
activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller, 1349
~ConnectionErrorMarshaller, 1350
ConnectionErrorMarshaller, 1350
createObject, 1350
getDataStructureType, 1350
looseMarshal, 1350
looseUnmarshal, 1351
tightMarshal1, 1351
tightMarshal2, 1352
tightUnmarshal, 1352
activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller, 1381
~ConnectionIdMarshaller, 1382
ConnectionIdMarshaller, 1382
createObject, 1382
getDataStructureType, 1382
looseMarshal, 1382
looseUnmarshal, 1383
tightMarshal1, 1383
tightMarshal2, 1384
tightUnmarshal, 1384
activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller, 1412
~ConnectionInfoMarshaller, 1414
ConnectionInfoMarshaller, 1414
createObject, 1414
getDataStructureType, 1414
looseMarshal, 1414
looseUnmarshal, 1415
tightMarshal1, 1415
tightMarshal2, 1416
tightUnmarshal, 1416

activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller, 1459
~ConsumerControlMarshaller, 1461
ConsumerControlMarshaller, 1461
createObject, 1461
getDataStructureType, 1461
looseMarshal, 1461
looseUnmarshal, 1462
tightMarshal1, 1462
tightMarshal2, 1463
tightUnmarshal, 1463
activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller, 1489
~ConsumerIdMarshaller, 1490
ConsumerIdMarshaller, 1490
createObject, 1490
getDataStructureType, 1491
looseMarshal, 1491
looseUnmarshal, 1491
tightMarshal1, 1492
tightMarshal2, 1492
tightUnmarshal, 1493
activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller, 1522
~ConsumerInfoMarshaller, 1524
ConsumerInfoMarshaller, 1524
createObject, 1524
getDataStructureType, 1524
looseMarshal, 1524
looseUnmarshal, 1525
tightMarshal1, 1525
tightMarshal2, 1526
tightUnmarshal, 1526
activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller, 1552
~ControlCommandMarshaller, 1553
ControlCommandMarshaller, 1553
createObject, 1553
getDataStructureType, 1554
looseMarshal, 1554
looseUnmarshal, 1554
tightMarshal1, 1555
tightMarshal2, 1555
tightUnmarshal, 1556
activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller, 1587
~DataArrayResponseMarshaller, 1589
createObject, 1589
DataArrayResponseMarshaller, 1589
getDataStructureType, 1589
looseMarshal, 1589
looseUnmarshal, 1590
tightMarshal1, 1590
tightMarshal2, 1591
tightUnmarshal, 1591
activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller, 1656
~DataResponseMarshaller, 1657
createObject, 1657
DataResponseMarshaller, 1657
getDataStructureType, 1657
looseMarshal, 1658
looseUnmarshal, 1658
tightMarshal1, 1659
tightMarshal2, 1659
tightUnmarshal, 1660
activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller, 1797
~DestinationInfoMarshaller, 1798
createObject, 1798
DestinationInfoMarshaller, 1798
getDataStructureType, 1799
looseMarshal, 1799
looseUnmarshal, 1799
tightMarshal1, 1800
tightMarshal2, 1800
tightUnmarshal, 1801
activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller, 1831
~DiscoveryEventMarshaller, 1832
createObject, 1832
DiscoveryEventMarshaller, 1832
getDataStructureType, 1833
looseMarshal, 1833
looseUnmarshal, 1833
tightMarshal1, 1834
tightMarshal2, 1834
tightUnmarshal, 1835
activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller, 1919
~ExceptionResponseMarshaller, 1920
createObject, 1920
ExceptionResponseMarshaller, 1920
getDataStructureType, 1920
looseMarshal, 1921
looseUnmarshal, 1921
tightMarshal1, 1922
tightMarshal2, 1922
tightUnmarshal, 1923

activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller, 2019
~FlushCommandMarshaller, 2020
createObject, 2020
FlushCommandMarshaller, 2020
getDataStructureType, 2020
looseMarshal, 2020
looseUnmarshal, 2021
tightMarshal1, 2021
tightMarshal2, 2022
tightUnmarshal, 2022
activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller, 2180
~IntegerResponseMarshaller, 2181
createObject, 2181
getDataStructureType, 2181
IntegerResponseMarshaller, 2181
looseMarshal, 2181
looseUnmarshal, 2182
tightMarshal1, 2182
tightMarshal2, 2183
tightUnmarshal, 2183
activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller, 2248
~JournalQueueAckMarshaller, 2249
createObject, 2249
getDataStructureType, 2249
JournalQueueAckMarshaller, 2249
looseMarshal, 2249
looseUnmarshal, 2250
tightMarshal1, 2250
tightMarshal2, 2251
tightUnmarshal, 2251
activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller, 2277
~JournalTopicAckMarshaller, 2278
createObject, 2278
getDataStructureType, 2278
JournalTopicAckMarshaller, 2278
looseMarshal, 2278
looseUnmarshal, 2279
tightMarshal1, 2279
tightMarshal2, 2280
tightUnmarshal, 2280
activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller, 2300
~JournalTraceMarshaller, 2301
createObject, 2301
getDataStructureType, 2301
JournalTraceMarshaller, 2301
looseMarshal, 2301
looseUnmarshal, 2302
tightMarshal1, 2302
tightMarshal2, 2303
tightUnmarshal, 2303
activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller, 2331
~JournalTransactionMarshaller, 2332
createObject, 2332
getDataStructureType, 2333
JournalTransactionMarshaller, 2332
looseMarshal, 2333
looseUnmarshal, 2333
tightMarshal1, 2334
tightMarshal2, 2334
tightUnmarshal, 2335
activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller, 2359
~KeepAliveInfoMarshaller, 2361
createObject, 2361
getDataStructureType, 2361
KeepAliveInfoMarshaller, 2361
looseMarshal, 2361
looseUnmarshal, 2362
tightMarshal1, 2362
tightMarshal2, 2363
tightUnmarshal, 2363
activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller, 2395
~LastPartialCommandMarshaller, 2396
createObject, 2396
getDataStructureType, 2396
LastPartialCommandMarshaller, 2396
looseMarshal, 2397
looseUnmarshal, 2397
tightMarshal1, 2398
tightMarshal2, 2398
tightUnmarshal, 2399
activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller, 2446
~LocalTransactionIdMarshaller, 2447
createObject, 2447
getDataStructureType, 2447
LocalTransactionIdMarshaller, 2447
looseMarshal, 2448
looseUnmarshal, 2448
tightMarshal1, 2448
tightMarshal2, 2449
tightUnmarshal, 2449

activemq::wireformat::openwire::marshal::v1::MarshallerFactory, 2570
~MarshallerFactory, 2570
configure, 2570
activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller, 2665
~MessageAckMarshaller, 2667
createObject, 2667
getDataStructureType, 2667
looseMarshal, 2667
looseUnmarshal, 2668
MessageAckMarshaller, 2667
tightMarshal1, 2668
tightMarshal2, 2669
tightUnmarshal, 2669
activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller, 2707
~MessageDispatchMarshaller, 2709
createObject, 2709
getDataStructureType, 2709
looseMarshal, 2709
looseUnmarshal, 2710
MessageDispatchMarshaller, 2709
tightMarshal1, 2710
tightMarshal2, 2711
tightUnmarshal, 2711
activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller, 2737
~MessageDispatchNotificationMarshaller, 2739
createObject, 2739
getDataStructureType, 2739
looseMarshal, 2739
looseUnmarshal, 2740
MessageDispatchNotificationMarshaller, 2739
tightMarshal1, 2740
tightMarshal2, 2741
tightUnmarshal, 2741
activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller, 2775
~MessageIdMarshaller, 2776
createObject, 2776
getDataStructureType, 2777
looseMarshal, 2777
looseUnmarshal, 2777
MessageIdMarshaller, 2776
tightMarshal1, 2778
tightMarshal2, 2778
tightUnmarshal, 2779
activemq::wireformat::openwire::marshal::v1::MessageMarshaller, 2798
~MessageMarshaller, 2799
looseMarshal, 2799
looseUnmarshal, 2800
MessageMarshaller, 2799
tightMarshal1, 2800
tightMarshal2, 2801
tightUnmarshal, 2802
activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller, 2845
~MessagePullMarshaller, 2847
createObject, 2847
getDataStructureType, 2847
looseMarshal, 2847
looseUnmarshal, 2848
MessagePullMarshaller, 2847
tightMarshal1, 2848
tightMarshal2, 2849
tightUnmarshal, 2849
activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller, 2901
~NetworkBridgeFilterMarshaller, 2902
createObject, 2902
getDataStructureType, 2902
looseMarshal, 2902
looseUnmarshal, 2903
NetworkBridgeFilterMarshaller, 2902
tightMarshal1, 2903
tightMarshal2, 2904
tightUnmarshal, 2904
activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller, 3028
~PartialCommandMarshaller, 3029
createObject, 3029
getDataStructureType, 3029
looseMarshal, 3030
looseUnmarshal, 3030
PartialCommandMarshaller, 3029
tightMarshal1, 3031
tightMarshal2, 3031
tightUnmarshal, 3032
activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller, 3150
~ProducerAckMarshaller, 3151
createObject, 3151
getDataStructureType, 3151
looseMarshal, 3151
looseUnmarshal, 3152
ProducerAckMarshaller, 3151

tightMarshal1, 3152
tightMarshal2, 3153
tightUnmarshal, 3153
activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller, 3181
~ProducerIdMarshaller, 3182
createObject, 3182
getDataStructureType, 3183
looseMarshal, 3183
looseUnmarshal, 3183
ProducerIdMarshaller, 3182
tightMarshal1, 3184
tightMarshal2, 3184
tightUnmarshal, 3185
activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller, 3199
~ProducerInfoMarshaller, 3200
createObject, 3200
getDataStructureType, 3200
looseMarshal, 3200
looseUnmarshal, 3201
ProducerInfoMarshaller, 3200
tightMarshal1, 3201
tightMarshal2, 3202
tightUnmarshal, 3202
activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller, 3300
~RemoveInfoMarshaller, 3302
createObject, 3302
getDataStructureType, 3302
looseMarshal, 3302
looseUnmarshal, 3303
RemoveInfoMarshaller, 3302
tightMarshal1, 3303
tightMarshal2, 3304
tightUnmarshal, 3304
activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller, 3318
~RemoveSubscriptionInfoMarshaller, 3319
createObject, 3319
getDataStructureType, 3319
looseMarshal, 3320
looseUnmarshal, 3320
RemoveSubscriptionInfoMarshaller, 3319
tightMarshal1, 3321
tightMarshal2, 3321
tightUnmarshal, 3321
activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller, 3351
~ReplayCommandMarshaller, 3352
createObject, 3352
getDataStructureType, 3353
looseMarshal, 3353
looseUnmarshal, 3353
ReplayCommandMarshaller, 3352
tightMarshal1, 3354
tightMarshal2, 3354
tightUnmarshal, 3355
activemq::wireformat::openwire::marshal::v1::ResponseMarshaller, 3408
~ResponseMarshaller, 3410
createObject, 3410
getDataStructureType, 3410
looseMarshal, 3410
looseUnmarshal, 3411
ResponseMarshaller, 3410
tightMarshal1, 3411
tightMarshal2, 3412
tightUnmarshal, 3413
activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller, 3501
~SessionIdMarshaller, 3502
createObject, 3502
getDataStructureType, 3502
looseMarshal, 3502
looseUnmarshal, 3503
SessionIdMarshaller, 3502
tightMarshal1, 3503
tightMarshal2, 3504
tightUnmarshal, 3504
activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller, 3517
~SessionInfoMarshaller, 3518
createObject, 3518
getDataStructureType, 3518
looseMarshal, 3518
looseUnmarshal, 3519
SessionInfoMarshaller, 3518
tightMarshal1, 3519
tightMarshal2, 3520
tightUnmarshal, 3520
activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller, 3584
~ShutdownInfoMarshaller, 3586
createObject, 3586
getDataStructureType, 3586
looseMarshal, 3586
looseUnmarshal, 3587
ShutdownInfoMarshaller, 3586

tightMarshal1, 3587
tightMarshal2, 3588
tightUnmarshal, 3588
activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller, 3791
~SubscriptionInfoMarshaller, 3792
createObject, 3792
getDataStructureType, 3792
looseMarshal, 3792
looseUnmarshal, 3793
SubscriptionInfoMarshaller, 3792
tightMarshal1, 3793
tightMarshal2, 3794
tightUnmarshal, 3794
activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller, 3939
~TransactionIdMarshaller, 3941
looseMarshal, 3941
looseUnmarshal, 3941
tightMarshal1, 3942
tightMarshal2, 3942
tightUnmarshal, 3943
TransactionIdMarshaller, 3941
activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller, 3968
~TransactionInfoMarshaller, 3969
createObject, 3969
getDataStructureType, 3970
looseMarshal, 3970
looseUnmarshal, 3970
tightMarshal1, 3971
tightMarshal2, 3971
tightUnmarshal, 3972
TransactionInfoMarshaller, 3969
activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller, 4121
~WireFormatInfoMarshaller, 4122
createObject, 4122
getDataStructureType, 4122
looseMarshal, 4122
looseUnmarshal, 4123
tightMarshal1, 4123
tightMarshal2, 4124
tightUnmarshal, 4124
WireFormatInfoMarshaller, 4122
activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller, 4160
~XATransactionIdMarshaller, 4161
createObject, 4161
getDataStructureType, 4161
looseMarshal, 4161
looseUnmarshal, 4162
tightMarshal1, 4162
tightMarshal2, 4163
tightUnmarshal, 4163
XATransactionIdMarshaller, 4161
activemq::wireformat::openwire::marshal::v2, 109
activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMess 202
~ActiveMQBlobMessageMarshaller, 203
ActiveMQBlobMessageMarshaller, 203
createObject, 203
getDataStructureType, 204
looseMarshal, 204
looseUnmarshal, 204
tightMarshal1, 205
tightMarshal2, 205
tightUnmarshal, 206
activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMes 256
~ActiveMQBytesMessageMarshaller, 257
ActiveMQBytesMessageMarshaller, 257
createObject, 257
getDataStructureType, 257
looseMarshal, 258
looseUnmarshal, 258
tightMarshal1, 258
tightMarshal2, 259
tightUnmarshal, 259
activemq::wireformat::openwire::marshal::v2::ActiveMQDestinatio 340
~ActiveMQDestinationMarshaller, 341
ActiveMQDestinationMarshaller, 341
looseMarshal, 341
looseUnmarshal, 341
tightMarshal1, 342
tightMarshal2, 342
tightUnmarshal, 343
activemq::wireformat::openwire::marshal::v2::ActiveMQMapMess 381
~ActiveMQMapMessageMarshaller, 383
ActiveMQMapMessageMarshaller, 383
createObject, 383
getDataStructureType, 383
looseMarshal, 383
looseUnmarshal, 384

tightMarshal1, 384
tightMarshal2, 385
tightUnmarshal, 385
activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller, 410
~ActiveMQMessageMarshaller, 411
ActiveMQMessageMarshaller, 411
createObject, 411
getDataStructureType, 411
looseMarshal, 411
looseUnmarshal, 412
tightMarshal1, 412
tightMarshal2, 413
tightUnmarshal, 413
activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller, 457
~ActiveMQObjectMessageMarshaller, 459
ActiveMQObjectMessageMarshaller, 459
createObject, 459
getDataStructureType, 459
looseMarshal, 459
looseUnmarshal, 460
tightMarshal1, 460
tightMarshal2, 461
tightUnmarshal, 461
activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller, 504
~ActiveMQQueueMarshaller, 505
ActiveMQQueueMarshaller, 505
createObject, 505
getDataStructureType, 505
looseMarshal, 505
looseUnmarshal, 506
tightMarshal1, 506
tightMarshal2, 507
tightUnmarshal, 507
activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller, 570
~ActiveMQStreamMessageMarshaller, 571
ActiveMQStreamMessageMarshaller, 571
createObject, 571
getDataStructureType, 571
looseMarshal, 572
looseUnmarshal, 572
tightMarshal1, 572
tightMarshal2, 573
tightUnmarshal, 573
activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller, 599
~ActiveMQTempDestinationMarshaller, 600
ActiveMQTempDestinationMarshaller, 600
looseMarshal, 600
looseUnmarshal, 600
tightMarshal1, 601
tightMarshal2, 601
tightUnmarshal, 602
activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller, 628
~ActiveMQTempQueueMarshaller, 629
ActiveMQTempQueueMarshaller, 629
createObject, 629
getDataStructureType, 629
looseMarshal, 630
looseUnmarshal, 630
tightMarshal1, 630
tightMarshal2, 631
tightUnmarshal, 631
activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller, 658
~ActiveMQTempTopicMarshaller, 659
ActiveMQTempTopicMarshaller, 659
createObject, 659
getDataStructureType, 659
looseMarshal, 660
looseUnmarshal, 660
tightMarshal1, 660
tightMarshal2, 661
tightUnmarshal, 661
activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller, 693
~ActiveMQTextMessageMarshaller, 694
ActiveMQTextMessageMarshaller, 694
createObject, 694
getDataStructureType, 694
looseMarshal, 694
looseUnmarshal, 695
tightMarshal1, 695
tightMarshal2, 696
tightUnmarshal, 696
activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller, 722
~ActiveMQTopicMarshaller, 724
ActiveMQTopicMarshaller, 724

createObject, 724
getDataStructureType, 724
looseMarshal, 724
looseUnmarshal, 725
tightMarshal1, 725
tightMarshal2, 726
tightUnmarshal, 726
activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller, 807
~BaseCommandMarshaller, 808
BaseCommandMarshaller, 808
looseMarshal, 808
looseUnmarshal, 809
tightMarshal1, 810
tightMarshal2, 811
tightUnmarshal, 812
activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller, 898
~BrokerIdMarshaller, 899
BrokerIdMarshaller, 899
createObject, 899
getDataStructureType, 900
looseMarshal, 900
looseUnmarshal, 900
tightMarshal1, 901
tightMarshal2, 901
tightUnmarshal, 902
activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller, 932
~BrokerInfoMarshaller, 933
BrokerInfoMarshaller, 933
createObject, 933
getDataStructureType, 933
looseMarshal, 933
looseUnmarshal, 934
tightMarshal1, 934
tightMarshal2, 935
tightUnmarshal, 935
activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller, 1328
~ConnectionControlMarshaller, 1329
ConnectionControlMarshaller, 1329
createObject, 1329
getDataStructureType, 1329
looseMarshal, 1330
looseUnmarshal, 1330
tightMarshal1, 1330
tightMarshal2, 1331
tightUnmarshal, 1331
activemq::wireformat::openwire::marshal::v2::ConnectionErrorMar 1336
~ConnectionErrorMarshaller, 1337
ConnectionErrorMarshaller, 1337
createObject, 1337
getDataStructureType, 1337
looseMarshal, 1338
looseUnmarshal, 1338
tightMarshal1, 1338
tightMarshal2, 1339
tightUnmarshal, 1339
activemq::wireformat::openwire::marshal::v2::ConnectionIdMarsha 1368
~ConnectionIdMarshaller, 1370
ConnectionIdMarshaller, 1370
createObject, 1370
getDataStructureType, 1370
looseMarshal, 1370
looseUnmarshal, 1371
tightMarshal1, 1371
tightMarshal2, 1371
tightUnmarshal, 1372
activemq::wireformat::openwire::marshal::v2::ConnectionInfoMars 1400
~ConnectionInfoMarshaller, 1401
ConnectionInfoMarshaller, 1401
createObject, 1401
getDataStructureType, 1401
looseMarshal, 1401
looseUnmarshal, 1402
tightMarshal1, 1402
tightMarshal2, 1403
tightUnmarshal, 1403
activemq::wireformat::openwire::marshal::v2::ConsumerControlM 1447
~ConsumerControlMarshaller, 1448
ConsumerControlMarshaller, 1448
createObject, 1448
getDataStructureType, 1448
looseMarshal, 1448
looseUnmarshal, 1449
tightMarshal1, 1449
tightMarshal2, 1450
tightUnmarshal, 1450
activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshal 1477
~ConsumerIdMarshaller, 1478
ConsumerIdMarshaller, 1478
createObject, 1478
getDataStructureType, 1478

looseMarshal, 1479
looseUnmarshal, 1479
tightMarshal1, 1479
tightMarshal2, 1480
tightUnmarshal, 1480
activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller, 1510
~ConsumerInfoMarshaller, 1511
ConsumerInfoMarshaller, 1511
createObject, 1511
getDataStructureType, 1511
looseMarshal, 1511
looseUnmarshal, 1512
tightMarshal1, 1512
tightMarshal2, 1513
tightUnmarshal, 1513
activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller, 1539
~ControlCommandMarshaller, 1541
ControlCommandMarshaller, 1541
createObject, 1541
getDataStructureType, 1541
looseMarshal, 1541
looseUnmarshal, 1542
tightMarshal1, 1542
tightMarshal2, 1543
tightUnmarshal, 1543
activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller, 1574
~DataArrayResponseMarshaller, 1576
createObject, 1576
DataArrayResponseMarshaller, 1576
getDataStructureType, 1576
looseMarshal, 1576
looseUnmarshal, 1577
tightMarshal1, 1577
tightMarshal2, 1578
tightUnmarshal, 1578
activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller, 1643
~DataResponseMarshaller, 1644
createObject, 1644
DataResponseMarshaller, 1644
getDataStructureType, 1645
looseMarshal, 1645
looseUnmarshal, 1645
tightMarshal1, 1646
tightMarshal2, 1646
tightUnmarshal, 1647
activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller, 1784
~DestinationInfoMarshaller, 1786
createObject, 1786
DestinationInfoMarshaller, 1786
getDataStructureType, 1786
looseMarshal, 1786
looseUnmarshal, 1787
tightMarshal1, 1787
tightMarshal2, 1788
tightUnmarshal, 1788
activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller, 1819
~DiscoveryEventMarshaller, 1820
createObject, 1820
DiscoveryEventMarshaller, 1820
getDataStructureType, 1821
looseMarshal, 1821
looseUnmarshal, 1821
tightMarshal1, 1822
tightMarshal2, 1822
tightUnmarshal, 1823
activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller, 1902
~ExceptionResponseMarshaller, 1903
createObject, 1903
ExceptionResponseMarshaller, 1903
getDataStructureType, 1903
looseMarshal, 1904
looseUnmarshal, 1904
tightMarshal1, 1904
tightMarshal2, 1905
tightUnmarshal, 1905
activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller, 2006
~FlushCommandMarshaller, 2007
createObject, 2007
FlushCommandMarshaller, 2007
getDataStructureType, 2007
looseMarshal, 2008
looseUnmarshal, 2008
tightMarshal1, 2008
tightMarshal2, 2009
tightUnmarshal, 2009
activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller, 2167
~IntegerResponseMarshaller, 2168
createObject, 2168
getDataStructureType, 2168
IntegerResponseMarshaller, 2168

looseMarshal, 2168
looseUnmarshal, 2169
tightMarshal1, 2169
tightMarshal2, 2170
tightUnmarshal, 2170
activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller, 2232
~JournalQueueAckMarshaller, 2233
createObject, 2233
getDataStructureType, 2233
JournalQueueAckMarshaller, 2233
looseMarshal, 2233
looseUnmarshal, 2234
tightMarshal1, 2234
tightMarshal2, 2235
tightUnmarshal, 2235
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller, 2261
~JournalTopicAckMarshaller, 2262
createObject, 2262
getDataStructureType, 2262
JournalTopicAckMarshaller, 2262
looseMarshal, 2262
looseUnmarshal, 2263
tightMarshal1, 2263
tightMarshal2, 2264
tightUnmarshal, 2264
activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller, 2283
~JournalTraceMarshaller, 2285
createObject, 2285
getDataStructureType, 2285
JournalTraceMarshaller, 2285
looseMarshal, 2285
looseUnmarshal, 2286
tightMarshal1, 2286
tightMarshal2, 2286
tightUnmarshal, 2287
activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller, 2315
~JournalTransactionMarshaller, 2316
createObject, 2316
getDataStructureType, 2317
JournalTransactionMarshaller, 2316
looseMarshal, 2317
looseUnmarshal, 2317
tightMarshal1, 2318
tightMarshal2, 2318
tightUnmarshal, 2319
activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarsh 2342
~KeepAliveInfoMarshaller, 2344
createObject, 2344
getDataStructureType, 2344
KeepAliveInfoMarshaller, 2344
looseMarshal, 2344
looseUnmarshal, 2345
tightMarshal1, 2345
tightMarshal2, 2346
tightUnmarshal, 2346
activemq::wireformat::openwire::marshal::v2::LastPartialCommand 2382
~LastPartialCommandMarshaller, 2383
createObject, 2383
getDataStructureType, 2384
LastPartialCommandMarshaller, 2383
looseMarshal, 2384
looseUnmarshal, 2384
tightMarshal1, 2385
tightMarshal2, 2385
tightUnmarshal, 2386
activemq::wireformat::openwire::marshal::v2::LocalTransactionId 2429
~LocalTransactionIdMarshaller, 2430
createObject, 2430
getDataStructureType, 2430
LocalTransactionIdMarshaller, 2430
looseMarshal, 2431
looseUnmarshal, 2431
tightMarshal1, 2431
tightMarshal2, 2432
tightUnmarshal, 2432
activemq::wireformat::openwire::marshal::v2::MarshallerFactory, 2570
~MarshallerFactory, 2571
configure, 2571
activemq::wireformat::openwire::marshal::v2::MessageAckMarsha 2653
~MessageAckMarshaller, 2654
createObject, 2654
getDataStructureType, 2654
looseMarshal, 2654
looseUnmarshal, 2655
MessageAckMarshaller, 2654
tightMarshal1, 2655
tightMarshal2, 2656
tightUnmarshal, 2656
activemq::wireformat::openwire::marshal::v2::MessageDispatchM 2690

~MessageDispatchMarshaller, 2692
createObject, 2692
getDataStructureType, 2692
looseMarshal, 2692
looseUnmarshal, 2693
MessageDispatchMarshaller, 2692
tightMarshal1, 2693
tightMarshal2, 2694
tightUnmarshal, 2694
activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller, 2725
~MessageDispatchNotificationMarshaller, 2726
createObject, 2726
getDataStructureType, 2726
looseMarshal, 2726
looseUnmarshal, 2727
MessageDispatchNotificationMarshaller, 2726
tightMarshal1, 2727
tightMarshal2, 2728
tightUnmarshal, 2728
activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller, 2755
~MessageIdMarshaller, 2756
createObject, 2756
getDataStructureType, 2756
looseMarshal, 2757
looseUnmarshal, 2757
MessageIdMarshaller, 2756
tightMarshal1, 2758
tightMarshal2, 2758
tightUnmarshal, 2758
activemq::wireformat::openwire::marshal::v2::MessageMarshaller, 2789
~MessageMarshaller, 2790
looseMarshal, 2790
looseUnmarshal, 2791
MessageMarshaller, 2790
tightMarshal1, 2791
tightMarshal2, 2792
tightUnmarshal, 2793
activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller, 2828
~MessagePullMarshaller, 2830
createObject, 2830
getDataStructureType, 2830
looseMarshal, 2830
looseUnmarshal, 2831
MessagePullMarshaller, 2830
tightMarshal1, 2831
tightMarshal2, 2832
tightUnmarshal, 2832
activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller, 2881
~NetworkBridgeFilterMarshaller, 2882
createObject, 2882
getDataStructureType, 2882
looseMarshal, 2882
looseUnmarshal, 2883
NetworkBridgeFilterMarshaller, 2882
tightMarshal1, 2883
tightMarshal2, 2884
tightUnmarshal, 2884
activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller, 3010
~PartialCommandMarshaller, 3011
createObject, 3011
getDataStructureType, 3011
looseMarshal, 3012
looseUnmarshal, 3012
PartialCommandMarshaller, 3011
tightMarshal1, 3013
tightMarshal2, 3013
tightUnmarshal, 3014
activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller, 3128
~ProducerAckMarshaller, 3130
createObject, 3130
getDataStructureType, 3130
looseMarshal, 3130
looseUnmarshal, 3131
ProducerAckMarshaller, 3130
tightMarshal1, 3131
tightMarshal2, 3132
tightUnmarshal, 3132
activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller, 3161
~ProducerIdMarshaller, 3162
createObject, 3162
getDataStructureType, 3162
looseMarshal, 3163
looseUnmarshal, 3163
ProducerIdMarshaller, 3162
tightMarshal1, 3164
tightMarshal2, 3164
tightUnmarshal, 3164
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller, 3194
~ProducerInfoMarshaller, 3196

createObject, 3196
getDataStructureType, 3196
looseMarshal, 3196
looseUnmarshal, 3197
ProducerInfoMarshaller, 3196
tightMarshal1, 3197
tightMarshal2, 3198
tightUnmarshal, 3198
activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller, 3288
~RemoveInfoMarshaller, 3289
createObject, 3289
getDataStructureType, 3289
looseMarshal, 3289
looseUnmarshal, 3290
RemoveInfoMarshaller, 3289
tightMarshal1, 3290
tightMarshal2, 3291
tightUnmarshal, 3291
activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller, 3326
~RemoveSubscriptionInfoMarshaller, 3328
createObject, 3328
getDataStructureType, 3328
looseMarshal, 3328
looseUnmarshal, 3329
RemoveSubscriptionInfoMarshaller, 3328
tightMarshal1, 3329
tightMarshal2, 3330
tightUnmarshal, 3330
activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller, 3355
~ReplayCommandMarshaller, 3357
createObject, 3357
getDataStructureType, 3357
looseMarshal, 3357
looseUnmarshal, 3358
ReplayCommandMarshaller, 3357
tightMarshal1, 3358
tightMarshal2, 3359
tightUnmarshal, 3359
activemq::wireformat::openwire::marshal::v2::ResponseMarshaller, 3393
~ResponseMarshaller, 3395
createObject, 3395
getDataStructureType, 3395
looseMarshal, 3395
looseUnmarshal, 3396
ResponseMarshaller, 3395
tightMarshal1, 3396
tightMarshal2, 3397
tightUnmarshal, 3398
activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller, 3481
~SessionIdMarshaller, 3482
createObject, 3482
getDataStructureType, 3482
looseMarshal, 3482
looseUnmarshal, 3483
SessionIdMarshaller, 3482
tightMarshal1, 3483
tightMarshal2, 3484
tightUnmarshal, 3484
activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller, 3525
~SessionInfoMarshaller, 3527
createObject, 3527
getDataStructureType, 3527
looseMarshal, 3527
looseUnmarshal, 3528
SessionInfoMarshaller, 3527
tightMarshal1, 3528
tightMarshal2, 3529
tightUnmarshal, 3529
activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller, 3580
~ShutdownInfoMarshaller, 3581
createObject, 3581
getDataStructureType, 3582
looseMarshal, 3582
looseUnmarshal, 3582
ShutdownInfoMarshaller, 3581
tightMarshal1, 3583
tightMarshal2, 3583
tightUnmarshal, 3584
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller, 3807
~SubscriptionInfoMarshaller, 3808
createObject, 3808
getDataStructureType, 3808
looseMarshal, 3808
looseUnmarshal, 3809
SubscriptionInfoMarshaller, 3808
tightMarshal1, 3809
tightMarshal2, 3810
tightUnmarshal, 3810
activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller, 3943
~TransactionIdMarshaller, 3945

looseMarshal, 3945
looseUnmarshal, 3945
tightMarshal1, 3946
tightMarshal2, 3946
tightUnmarshal, 3947
TransactionIdMarshaller, 3945
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller, 3985
~TransactionInfoMarshaller, 3986
createObject, 3986
getDataStructureType, 3987
looseMarshal, 3987
looseUnmarshal, 3987
tightMarshal1, 3988
tightMarshal2, 3988
tightUnmarshal, 3989
TransactionInfoMarshaller, 3986
activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller, 4113
~WireFormatInfoMarshaller, 4114
createObject, 4114
getDataStructureType, 4114
looseMarshal, 4114
looseUnmarshal, 4115
tightMarshal1, 4115
tightMarshal2, 4116
tightUnmarshal, 4116
WireFormatInfoMarshaller, 4114
activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller, 4151
~XATransactionIdMarshaller, 4152
createObject, 4152
getDataStructureType, 4153
looseMarshal, 4153
looseUnmarshal, 4153
tightMarshal1, 4154
tightMarshal2, 4154
tightUnmarshal, 4155
XATransactionIdMarshaller, 4152
activemq::wireformat::openwire::marshal::v3, 113
activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller, 189
~ActiveMQBlobMessageMarshaller, 191
ActiveMQBlobMessageMarshaller, 191
createObject, 191
getDataStructureType, 191
looseMarshal, 191
looseUnmarshal, 192
tightMarshal1, 192
tightMarshal2, 193
tightUnmarshal, 193
activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshal 235
~ActiveMQBytesMessageMarshaller, 236
ActiveMQBytesMessageMarshaller, 236
createObject, 236
getDataStructureType, 236
looseMarshal, 236
looseUnmarshal, 237
tightMarshal1, 237
tightMarshal2, 238
tightUnmarshal, 238
activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller 324
~ActiveMQDestinationMarshaller, 325
ActiveMQDestinationMarshaller, 325
looseMarshal, 325
looseUnmarshal, 325
tightMarshal1, 326
tightMarshal2, 326
tightUnmarshal, 327
activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshalle 364
~ActiveMQMapMessageMarshaller, 366
ActiveMQMapMessageMarshaller, 366
createObject, 366
getDataStructureType, 366
looseMarshal, 366
looseUnmarshal, 367
tightMarshal1, 367
tightMarshal2, 368
tightUnmarshal, 368
activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller, 393
~ActiveMQMessageMarshaller, 394
ActiveMQMessageMarshaller, 394
createObject, 394
getDataStructureType, 394
looseMarshal, 394
looseUnmarshal, 395
tightMarshal1, 395
tightMarshal2, 396
tightUnmarshal, 396
activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarsha 440

~ActiveMQObjectMessageMarshaller, 442
ActiveMQObjectMessageMarshaller, 442
createObject, 442
getDataStructureType, 442
looseMarshal, 442
looseUnmarshal, 443
tightMarshal1, 443
tightMarshal2, 444
tightUnmarshal, 444
activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller, 487
~ActiveMQQueueMarshaller, 488
ActiveMQQueueMarshaller, 488
createObject, 488
getDataStructureType, 488
looseMarshal, 488
looseUnmarshal, 489
tightMarshal1, 489
tightMarshal2, 490
tightUnmarshal, 490
activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller, 553
~ActiveMQStreamMessageMarshaller, 554
ActiveMQStreamMessageMarshaller, 554
createObject, 554
getDataStructureType, 554
looseMarshal, 555
looseUnmarshal, 555
tightMarshal1, 555
tightMarshal2, 556
tightUnmarshal, 556
activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller, 582
~ActiveMQTempDestinationMarshaller, 584
ActiveMQTempDestinationMarshaller, 584
looseMarshal, 584
looseUnmarshal, 584
tightMarshal1, 585
tightMarshal2, 585
tightUnmarshal, 586
activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller, 611
~ActiveMQTempQueueMarshaller, 612
ActiveMQTempQueueMarshaller, 612
createObject, 612
getDataStructureType, 612
looseMarshal, 613
looseUnmarshal, 613
tightMarshal1, 614
tightMarshal2, 614
tightUnmarshal, 614
activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller, 641
~ActiveMQTempTopicMarshaller, 642
ActiveMQTempTopicMarshaller, 642
createObject, 642
getDataStructureType, 642
looseMarshal, 643
looseUnmarshal, 643
tightMarshal1, 644
tightMarshal2, 644
tightUnmarshal, 644
activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller, 671
~ActiveMQTextMessageMarshaller, 673
ActiveMQTextMessageMarshaller, 673
createObject, 673
getDataStructureType, 673
looseMarshal, 673
looseUnmarshal, 674
tightMarshal1, 674
tightMarshal2, 675
tightUnmarshal, 675
activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller, 701
~ActiveMQTopicMarshaller, 702
ActiveMQTopicMarshaller, 702
createObject, 702
getDataStructureType, 703
looseMarshal, 703
looseUnmarshal, 703
tightMarshal1, 704
tightMarshal2, 704
tightUnmarshal, 705
activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller, 771
~BaseCommandMarshaller, 772
BaseCommandMarshaller, 772
looseMarshal, 772
looseUnmarshal, 773
tightMarshal1, 775
tightMarshal2, 776
tightUnmarshal, 777

activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller, 878
~BrokerIdMarshaller, 879
BrokerIdMarshaller, 879
createObject, 879
getDataStructureType, 879
looseMarshal, 880
looseUnmarshal, 880
tightMarshal1, 880
tightMarshal2, 881
tightUnmarshal, 881
activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller, 910
~BrokerInfoMarshaller, 912
BrokerInfoMarshaller, 912
createObject, 912
getDataStructureType, 912
looseMarshal, 912
looseUnmarshal, 913
tightMarshal1, 913
tightMarshal2, 914
tightUnmarshal, 914
activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller, 1307
~ConnectionControlMarshaller, 1308
ConnectionControlMarshaller, 1308
createObject, 1308
getDataStructureType, 1308
looseMarshal, 1308
looseUnmarshal, 1309
tightMarshal1, 1309
tightMarshal2, 1310
tightUnmarshal, 1310
activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller, 1340
~ConnectionErrorMarshaller, 1341
ConnectionErrorMarshaller, 1341
createObject, 1341
getDataStructureType, 1342
looseMarshal, 1342
looseUnmarshal, 1342
tightMarshal1, 1343
tightMarshal2, 1343
tightUnmarshal, 1344
activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller, 1373
~ConnectionIdMarshaller, 1374
ConnectionIdMarshaller, 1374
createObject, 1374
getDataStructureType, 1374
looseMarshal, 1375
looseUnmarshal, 1375
tightMarshal1, 1375
tightMarshal2, 1376
tightUnmarshal, 1376
activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller, 1404
~ConnectionInfoMarshaller, 1405
ConnectionInfoMarshaller, 1405
createObject, 1405
getDataStructureType, 1405
looseMarshal, 1406
looseUnmarshal, 1406
tightMarshal1, 1406
tightMarshal2, 1407
tightUnmarshal, 1407
activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller, 1451
~ConsumerControlMarshaller, 1452
ConsumerControlMarshaller, 1452
createObject, 1452
getDataStructureType, 1452
looseMarshal, 1453
looseUnmarshal, 1453
tightMarshal1, 1453
tightMarshal2, 1454
tightUnmarshal, 1454
activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller, 1481
~ConsumerIdMarshaller, 1482
ConsumerIdMarshaller, 1482
createObject, 1482
getDataStructureType, 1482
looseMarshal, 1483
looseUnmarshal, 1483
tightMarshal1, 1483
tightMarshal2, 1484
tightUnmarshal, 1484
activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller, 1514
~ConsumerInfoMarshaller, 1515
ConsumerInfoMarshaller, 1515
createObject, 1515
getDataStructureType, 1515
looseMarshal, 1516
looseUnmarshal, 1516
tightMarshal1, 1516
tightMarshal2, 1517
tightUnmarshal, 1517

activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller, 1544
~ConsumerInfoMarshaller, 1545
createObject, 1545
getDataStructureType, 1545
looseMarshal, 1545
looseUnmarshal, 1546
tightMarshal1, 1546
tightMarshal2, 1547
tightUnmarshal, 1547
activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller, 1579
~ControlCommandMarshaller, 1580
createObject, 1580
ControlCommandMarshaller, 1580
getDataStructureType, 1580
looseMarshal, 1580
looseUnmarshal, 1581
tightMarshal1, 1581
tightMarshal2, 1582
tightUnmarshal, 1582
activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller, 1647
~DataArrayResponseMarshaller, 1649
createObject, 1649
DataArrayResponseMarshaller, 1649
getDataStructureType, 1649
looseMarshal, 1649
looseUnmarshal, 1650
tightMarshal1, 1650
tightMarshal2, 1651
tightUnmarshal, 1651
activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller, 1789
~DataResponseMarshaller, 1790
createObject, 1790
DataResponseMarshaller, 1790
getDataStructureType, 1790
looseMarshal, 1790
looseUnmarshal, 1791
tightMarshal1, 1791
tightMarshal2, 1792
tightUnmarshal, 1792
activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller, 1823
~DestinationInfoMarshaller, 1824
createObject, 1824
DestinationInfoMarshaller, 1824
getDataStructureType, 1825
looseMarshal, 1825
looseUnmarshal, 1825
tightMarshal1, 1826
tightMarshal2, 1826
tightUnmarshal, 1827
activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller, 1906
~DiscoveryEventMarshaller, 1907
createObject, 1907
DiscoveryEventMarshaller, 1907
getDataStructureType, 1908
looseMarshal, 1908
looseUnmarshal, 1908
tightMarshal1, 1909
tightMarshal2, 1909
tightUnmarshal, 1910
activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller, 2010
~ExceptionResponseMarshaller, 2011
createObject, 2011
ExceptionResponseMarshaller, 2011
getDataStructureType, 2012
looseMarshal, 2012
looseUnmarshal, 2012
tightMarshal1, 2013
tightMarshal2, 2013
tightUnmarshal, 2014
activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller, 2171
~FlushCommandMarshaller, 2172
createObject, 2172
FlushCommandMarshaller, 2172
getDataStructureType, 2172
looseMarshal, 2173
looseUnmarshal, 2173
tightMarshal1, 2174
tightMarshal2, 2174
tightUnmarshal, 2175
activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller, 2240
~IntegerResponseMarshaller, 2241
createObject, 2241
getDataStructureType, 2241
IntegerResponseMarshaller, 2241
looseMarshal, 2241
looseUnmarshal, 2242
tightMarshal1, 2242
tightMarshal2, 2243
tightUnmarshal, 2243
activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller, 2310

activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller, 2265
~JournalTopicAckMarshaller, 2266
createObject, 2266
getDataStructureType, 2266
JournalTopicAckMarshaller, 2266
looseMarshal, 2266
looseUnmarshal, 2267
tightMarshal1, 2267
tightMarshal2, 2268
tightUnmarshal, 2268
activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller, 2288
~JournalTraceMarshaller, 2289
createObject, 2289
getDataStructureType, 2289
JournalTraceMarshaller, 2289
looseMarshal, 2289
looseUnmarshal, 2290
tightMarshal1, 2290
tightMarshal2, 2291
tightUnmarshal, 2291
activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller, 2319
~JournalTransactionMarshaller, 2320
createObject, 2320
getDataStructureType, 2321
JournalTransactionMarshaller, 2320
looseMarshal, 2321
looseUnmarshal, 2321
tightMarshal1, 2322
tightMarshal2, 2322
tightUnmarshal, 2323
activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller, 2347
~KeepAliveInfoMarshaller, 2348
createObject, 2348
getDataStructureType, 2348
KeepAliveInfoMarshaller, 2348
looseMarshal, 2348
looseUnmarshal, 2349
tightMarshal1, 2349
tightMarshal2, 2350
tightUnmarshal, 2350
activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller, 2378
~LastPartialCommandMarshaller, 2379
createObject, 2379
getDataStructureType, 2379
LastPartialCommandMarshaller, 2379
looseMarshal, 2380
looseUnmarshal, 2380
tightMarshal1, 2380
tightMarshal2, 2381
tightUnmarshal, 2381
activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller, 2433
~LocalTransactionIdMarshaller, 2434
createObject, 2434
getDataStructureType, 2435
LocalTransactionIdMarshaller, 2434
looseMarshal, 2435
looseUnmarshal, 2435
tightMarshal1, 2436
tightMarshal2, 2436
tightUnmarshal, 2437
activemq::wireformat::openwire::marshal::v3::MarshallerFactory, 2567
~MarshallerFactory, 2568
configure, 2568
activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller, 2657
~MessageAckMarshaller, 2658
createObject, 2658
getDataStructureType, 2658
looseMarshal, 2659
looseUnmarshal, 2659
MessageAckMarshaller, 2658
tightMarshal1, 2659
tightMarshal2, 2660
tightUnmarshal, 2660
activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller, 2695
~MessageDispatchMarshaller, 2696
createObject, 2696
getDataStructureType, 2696
looseMarshal, 2696
looseUnmarshal, 2697
MessageDispatchMarshaller, 2696
tightMarshal1, 2697
tightMarshal2, 2698
tightUnmarshal, 2698
activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller, 2729
~MessageDispatchNotificationMarshaller, 2730
createObject, 2730
getDataStructureType, 2730
looseMarshal, 2731
looseUnmarshal, 2731

MessageDispatchNotificationMarshaller, 2730
tightMarshal1, 2731
tightMarshal2, 2732
tightUnmarshal, 2732
activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller, 2767
~MessageIdMarshaller, 2768
createObject, 2768
getDataStructureType, 2769
looseMarshal, 2769
looseUnmarshal, 2769
MessageIdMarshaller, 2768
tightMarshal1, 2770
tightMarshal2, 2770
tightUnmarshal, 2771
activemq::wireformat::openwire::marshal::v3::MessageMarshaller, 2785
~MessageMarshaller, 2786
looseMarshal, 2786
looseUnmarshal, 2786
MessageMarshaller, 2786
tightMarshal1, 2787
tightMarshal2, 2788
tightUnmarshal, 2788
activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller, 2837
~MessagePullMarshaller, 2838
createObject, 2838
getDataStructureType, 2838
looseMarshal, 2839
looseUnmarshal, 2839
MessagePullMarshaller, 2838
tightMarshal1, 2839
tightMarshal2, 2840
tightUnmarshal, 2840
activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller, 2893
~NetworkBridgeFilterMarshaller, 2894
createObject, 2894
getDataStructureType, 2894
looseMarshal, 2894
looseUnmarshal, 2895
NetworkBridgeFilterMarshaller, 2894
tightMarshal1, 2895
tightMarshal2, 2896
tightUnmarshal, 2896
activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller, 3019
~PartialCommandMarshaller, 3020
createObject, 3020
getDataStructureType, 3020
looseMarshal, 3021
looseUnmarshal, 3021
PartialCommandMarshaller, 3020
tightMarshal1, 3022
tightMarshal2, 3022
tightUnmarshal, 3023
activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller, 3137
~ProducerAckMarshaller, 3138
createObject, 3138
getDataStructureType, 3138
looseMarshal, 3139
looseUnmarshal, 3139
ProducerAckMarshaller, 3138
tightMarshal1, 3139
tightMarshal2, 3140
tightUnmarshal, 3140
activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller, 3169
~ProducerIdMarshaller, 3170
createObject, 3170
getDataStructureType, 3171
looseMarshal, 3171
looseUnmarshal, 3171
ProducerIdMarshaller, 3170
tightMarshal1, 3172
tightMarshal2, 3172
tightUnmarshal, 3173
activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller, 3207
~ProducerInfoMarshaller, 3208
createObject, 3208
getDataStructureType, 3209
looseMarshal, 3209
looseUnmarshal, 3209
ProducerInfoMarshaller, 3208
tightMarshal1, 3210
tightMarshal2, 3210
tightUnmarshal, 3211
activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller, 3296
~RemoveInfoMarshaller, 3297
createObject, 3297
getDataStructureType, 3298
looseMarshal, 3298
looseUnmarshal, 3298
RemoveInfoMarshaller, 3297
tightMarshal1, 3299

tightMarshal2, 3299
tightUnmarshal, 3300
activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller, 3322
~RemoveSubscriptionInfoMarshaller, 3323
createObject, 3323
getDataStructureType, 3324
looseMarshal, 3324
looseUnmarshal, 3324
RemoveSubscriptionInfoMarshaller, 3323
tightMarshal1, 3325
tightMarshal2, 3325
tightUnmarshal, 3326
activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller, 3360
~ReplayCommandMarshaller, 3361
createObject, 3361
getDataStructureType, 3361
looseMarshal, 3361
looseUnmarshal, 3362
ReplayCommandMarshaller, 3361
tightMarshal1, 3362
tightMarshal2, 3363
tightUnmarshal, 3363
activemq::wireformat::openwire::marshal::v3::ResponseMarshaller, 3403
~ResponseMarshaller, 3405
createObject, 3405
getDataStructureType, 3405
looseMarshal, 3405
looseUnmarshal, 3406
ResponseMarshaller, 3405
tightMarshal1, 3406
tightMarshal2, 3407
tightUnmarshal, 3408
activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller, 3497
~SessionIdMarshaller, 3498
createObject, 3498
getDataStructureType, 3498
looseMarshal, 3498
looseUnmarshal, 3499
SessionIdMarshaller, 3498
tightMarshal1, 3499
tightMarshal2, 3500
tightUnmarshal, 3500
activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller, 3521
~SessionInfoMarshaller, 3522
createObject, 3522
getDataStructureType, 3523
looseMarshal, 3523
looseUnmarshal, 3523
SessionInfoMarshaller, 3522
tightMarshal1, 3524
tightMarshal2, 3524
tightUnmarshal, 3525
activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller, 3593
~ShutdownInfoMarshaller, 3594
createObject, 3594
getDataStructureType, 3594
looseMarshal, 3595
looseUnmarshal, 3595
ShutdownInfoMarshaller, 3594
tightMarshal1, 3595
tightMarshal2, 3596
tightUnmarshal, 3596
activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller, 3786
~SubscriptionInfoMarshaller, 3788
createObject, 3788
getDataStructureType, 3788
looseMarshal, 3788
looseUnmarshal, 3789
SubscriptionInfoMarshaller, 3788
tightMarshal1, 3789
tightMarshal2, 3789
tightUnmarshal, 3790
activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller, 3947
~TransactionIdMarshaller, 3949
looseMarshal, 3949
looseUnmarshal, 3949
tightMarshal1, 3950
tightMarshal2, 3950
tightUnmarshal, 3951
TransactionIdMarshaller, 3949
activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller, 3972
~TransactionInfoMarshaller, 3974
createObject, 3974
getDataStructureType, 3974
looseMarshal, 3974
looseUnmarshal, 3975
tightMarshal1, 3975
tightMarshal2, 3976
tightUnmarshal, 3976
TransactionInfoMarshaller, 3974

activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller, 4125
~WireFormatInfoMarshaller, 4126
createObject, 4126
getDataStructureType, 4126
looseMarshal, 4126
looseUnmarshal, 4127
tightMarshal1, 4127
tightMarshal2, 4128
tightUnmarshal, 4128
WireFormatInfoMarshaller, 4126
activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller, 4164
~XATransactionIdMarshaller, 4165
createObject, 4165
getDataStructureType, 4165
looseMarshal, 4166
looseUnmarshal, 4166
tightMarshal1, 4166
tightMarshal2, 4167
tightUnmarshal, 4167
XATransactionIdMarshaller, 4165
activemq::wireformat::openwire::marshal::v4, 117
activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller, 198
~ActiveMQBlobMessageMarshaller, 199
ActiveMQBlobMessageMarshaller, 199
createObject, 199
getDataStructureType, 199
looseMarshal, 200
looseUnmarshal, 200
tightMarshal1, 200
tightMarshal2, 201
tightUnmarshal, 201
activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller, 243
~ActiveMQBytesMessageMarshaller, 244
ActiveMQBytesMessageMarshaller, 244
createObject, 244
getDataStructureType, 245
looseMarshal, 245
looseUnmarshal, 245
tightMarshal1, 246
tightMarshal2, 246
tightUnmarshal, 247
activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller, 332
~ActiveMQDestinationMarshaller, 333
ActiveMQDestinationMarshaller, 333
looseMarshal, 333
looseUnmarshal, 333
tightMarshal1, 334
tightMarshal2, 334
tightUnmarshal, 335
activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller, 373
~ActiveMQMapMessageMarshaller, 374
ActiveMQMapMessageMarshaller, 374
createObject, 374
getDataStructureType, 374
looseMarshal, 375
looseUnmarshal, 375
tightMarshal1, 375
tightMarshal2, 376
tightUnmarshal, 376
activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller, 401
~ActiveMQMessageMarshaller, 402
ActiveMQMessageMarshaller, 402
createObject, 402
getDataStructureType, 403
looseMarshal, 403
looseUnmarshal, 403
tightMarshal1, 404
tightMarshal2, 404
tightUnmarshal, 405
activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller, 449
~ActiveMQObjectMessageMarshaller, 450
ActiveMQObjectMessageMarshaller, 450
createObject, 450
getDataStructureType, 450
looseMarshal, 451
looseUnmarshal, 451
tightMarshal1, 451
tightMarshal2, 452
tightUnmarshal, 452
activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller, 495
~ActiveMQQueueMarshaller, 496
ActiveMQQueueMarshaller, 496
createObject, 496
getDataStructureType, 497
looseMarshal, 497

looseUnmarshal, 497
tightMarshal1, 498
tightMarshal2, 498
tightUnmarshal, 499
activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller, 561
~ActiveMQStreamMessageMarshaller, 563
ActiveMQStreamMessageMarshaller, 563
createObject, 563
getDataStructureType, 563
looseMarshal, 563
looseUnmarshal, 564
tightMarshal1, 564
tightMarshal2, 565
tightUnmarshal, 565
activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller, 591
~ActiveMQTempDestinationMarshaller, 592
ActiveMQTempDestinationMarshaller, 592
looseMarshal, 592
looseUnmarshal, 592
tightMarshal1, 593
tightMarshal2, 593
tightUnmarshal, 594
activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller, 619
~ActiveMQTempQueueMarshaller, 621
ActiveMQTempQueueMarshaller, 621
createObject, 621
getDataStructureType, 621
looseMarshal, 621
looseUnmarshal, 622
tightMarshal1, 622
tightMarshal2, 623
tightUnmarshal, 623
activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller, 645
~ActiveMQTempTopicMarshaller, 646
ActiveMQTempTopicMarshaller, 646
createObject, 646
getDataStructureType, 647
looseMarshal, 647
looseUnmarshal, 647
tightMarshal1, 648
tightMarshal2, 648
tightUnmarshal, 649
activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller, 676
~ActiveMQTextMessageMarshaller, 677
ActiveMQTextMessageMarshaller, 677
createObject, 677
getDataStructureType, 677
looseMarshal, 677
looseUnmarshal, 678
tightMarshal1, 678
tightMarshal2, 679
tightUnmarshal, 679
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller, 705
~ActiveMQTopicMarshaller, 707
ActiveMQTopicMarshaller, 707
createObject, 707
getDataStructureType, 707
looseMarshal, 707
looseUnmarshal, 708
tightMarshal1, 708
tightMarshal2, 709
tightUnmarshal, 709
activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller, 778
~BaseCommandMarshaller, 780
BaseCommandMarshaller, 780
looseMarshal, 780
looseUnmarshal, 781
tightMarshal1, 782
tightMarshal2, 783
tightUnmarshal, 784
activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller, 882
~BrokerIdMarshaller, 883
BrokerIdMarshaller, 883
createObject, 883
getDataStructureType, 883
looseMarshal, 884
looseUnmarshal, 884
tightMarshal1, 884
tightMarshal2, 885
tightUnmarshal, 885
activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller, 915
~BrokerInfoMarshaller, 916
BrokerInfoMarshaller, 916
createObject, 916
getDataStructureType, 916
looseMarshal, 916

looseUnmarshal, 917
tightMarshal1, 917
tightMarshal2, 918
tightUnmarshal, 918
activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller, 1311
~ConnectionControlMarshaller, 1312
ConnectionControlMarshaller, 1312
createObject, 1312
getDataStructureType, 1312
looseMarshal, 1313
looseUnmarshal, 1313
tightMarshal1, 1313
tightMarshal2, 1314
tightUnmarshal, 1314
activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller, 1344
~ConnectionErrorMarshaller, 1346
ConnectionErrorMarshaller, 1346
createObject, 1346
getDataStructureType, 1346
looseMarshal, 1346
looseUnmarshal, 1347
tightMarshal1, 1347
tightMarshal2, 1348
tightUnmarshal, 1348
activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller, 1377
~ConnectionIdMarshaller, 1378
ConnectionIdMarshaller, 1378
createObject, 1378
getDataStructureType, 1378
looseMarshal, 1378
looseUnmarshal, 1379
tightMarshal1, 1379
tightMarshal2, 1380
tightUnmarshal, 1380
activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller, 1408
~ConnectionInfoMarshaller, 1409
ConnectionInfoMarshaller, 1409
createObject, 1409
getDataStructureType, 1410
looseMarshal, 1410
looseUnmarshal, 1410
tightMarshal1, 1411
tightMarshal2, 1411
tightUnmarshal, 1412
activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller, 1455
~ConsumerControlMarshaller, 1456
ConsumerControlMarshaller, 1456
createObject, 1456
getDataStructureType, 1457
looseMarshal, 1457
looseUnmarshal, 1457
tightMarshal1, 1458
tightMarshal2, 1458
tightUnmarshal, 1459
activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller, 1485
~ConsumerIdMarshaller, 1486
ConsumerIdMarshaller, 1486
createObject, 1486
getDataStructureType, 1487
looseMarshal, 1487
looseUnmarshal, 1487
tightMarshal1, 1488
tightMarshal2, 1488
tightUnmarshal, 1489
activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller, 1518
~ConsumerInfoMarshaller, 1519
ConsumerInfoMarshaller, 1519
createObject, 1519
getDataStructureType, 1520
looseMarshal, 1520
looseUnmarshal, 1520
tightMarshal1, 1521
tightMarshal2, 1521
tightUnmarshal, 1522
activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller, 1548
~ControlCommandMarshaller, 1549
ControlCommandMarshaller, 1549
createObject, 1549
getDataStructureType, 1549
looseMarshal, 1550
looseUnmarshal, 1550
tightMarshal1, 1550
tightMarshal2, 1551
tightUnmarshal, 1551
activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller, 1583
~DataArrayResponseMarshaller, 1584
createObject, 1584
DataArrayResponseMarshaller, 1584
getDataStructureType, 1584
looseMarshal, 1585
looseUnmarshal, 1585

tightMarshal1, 1586
tightMarshal2, 1586
tightUnmarshal, 1587
activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller, 1652
~DataResponseMarshaller, 1653
createObject, 1653
DataResponseMarshaller, 1653
getDataStructureType, 1653
looseMarshal, 1653
looseUnmarshal, 1654
tightMarshal1, 1654
tightMarshal2, 1655
tightUnmarshal, 1655
activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller, 1793
~DestinationInfoMarshaller, 1794
createObject, 1794
DestinationInfoMarshaller, 1794
getDataStructureType, 1794
looseMarshal, 1795
looseUnmarshal, 1795
tightMarshal1, 1795
tightMarshal2, 1796
tightUnmarshal, 1796
activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller, 1827
~DiscoveryEventMarshaller, 1828
createObject, 1828
DiscoveryEventMarshaller, 1828
getDataStructureType, 1829
looseMarshal, 1829
looseUnmarshal, 1829
tightMarshal1, 1830
tightMarshal2, 1830
tightUnmarshal, 1831
activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller, 1915
~ExceptionResponseMarshaller, 1916
createObject, 1916
ExceptionResponseMarshaller, 1916
getDataStructureType, 1916
looseMarshal, 1916
looseUnmarshal, 1917
tightMarshal1, 1917
tightMarshal2, 1918
tightUnmarshal, 1918
activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller, 2014
~FlushCommandMarshaller, 2016
createObject, 2016
FlushCommandMarshaller, 2016
getDataStructureType, 2016
looseMarshal, 2016
looseUnmarshal, 2017
tightMarshal1, 2017
tightMarshal2, 2018
tightUnmarshal, 2018
activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller, 2175
~IntegerResponseMarshaller, 2177
createObject, 2177
getDataStructureType, 2177
IntegerResponseMarshaller, 2177
looseMarshal, 2177
looseUnmarshal, 2178
tightMarshal1, 2178
tightMarshal2, 2179
tightUnmarshal, 2179
activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller, 2244
~JournalQueueAckMarshaller, 2245
createObject, 2245
getDataStructureType, 2245
JournalQueueAckMarshaller, 2245
looseMarshal, 2245
looseUnmarshal, 2246
tightMarshal1, 2246
tightMarshal2, 2247
tightUnmarshal, 2247
activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller, 2273
~JournalTopicAckMarshaller, 2274
createObject, 2274
getDataStructureType, 2274
JournalTopicAckMarshaller, 2274
looseMarshal, 2274
looseUnmarshal, 2275
tightMarshal1, 2275
tightMarshal2, 2276
tightUnmarshal, 2276
activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller, 2296
~JournalTraceMarshaller, 2297
createObject, 2297
getDataStructureType, 2297
JournalTraceMarshaller, 2297
looseMarshal, 2297
looseUnmarshal, 2298
tightMarshal1, 2298

tightMarshal2, 2299
tightUnmarshal, 2299
activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller, 2327
~JournalTransactionMarshaller, 2328
createObject, 2328
getDataStructureType, 2329
JournalTransactionMarshaller, 2328
looseMarshal, 2329
looseUnmarshal, 2329
tightMarshal1, 2330
tightMarshal2, 2330
tightUnmarshal, 2331
activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller, 2351
~KeepAliveInfoMarshaller, 2352
createObject, 2352
getDataStructureType, 2352
KeepAliveInfoMarshaller, 2352
looseMarshal, 2353
looseUnmarshal, 2353
tightMarshal1, 2353
tightMarshal2, 2354
tightUnmarshal, 2354
activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller, 2391
~LastPartialCommandMarshaller, 2392
createObject, 2392
getDataStructureType, 2392
LastPartialCommandMarshaller, 2392
looseMarshal, 2392
looseUnmarshal, 2393
tightMarshal1, 2393
tightMarshal2, 2394
tightUnmarshal, 2394
activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller, 2442
~LocalTransactionIdMarshaller, 2443
createObject, 2443
getDataStructureType, 2443
LocalTransactionIdMarshaller, 2443
looseMarshal, 2443
looseUnmarshal, 2444
tightMarshal1, 2444
tightMarshal2, 2445
tightUnmarshal, 2445
activemq::wireformat::openwire::marshal::v4::MarshallerFactory, 2568
~MarshallerFactory, 2569
configure, 2569
activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller, 2661
~MessageAckMarshaller, 2662
createObject, 2662
getDataStructureType, 2663
looseMarshal, 2663
looseUnmarshal, 2663
MessageAckMarshaller, 2662
tightMarshal1, 2664
tightMarshal2, 2664
tightUnmarshal, 2665
activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller, 2703
~MessageDispatchMarshaller, 2704
createObject, 2704
getDataStructureType, 2705
looseMarshal, 2705
looseUnmarshal, 2705
MessageDispatchMarshaller, 2704
tightMarshal1, 2706
tightMarshal2, 2706
tightUnmarshal, 2707
activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller, 2733
~MessageDispatchNotificationMarshaller, 2734
createObject, 2734
getDataStructureType, 2735
looseMarshal, 2735
looseUnmarshal, 2735
MessageDispatchNotificationMarshaller, 2734
tightMarshal1, 2736
tightMarshal2, 2736
tightUnmarshal, 2737
activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller, 2759
~MessageIdMarshaller, 2760
createObject, 2760
getDataStructureType, 2761
looseMarshal, 2761
looseUnmarshal, 2761
MessageIdMarshaller, 2760
tightMarshal1, 2762
tightMarshal2, 2762
tightUnmarshal, 2763
activemq::wireformat::openwire::marshal::v4::MessageMarshaller, 2793
~MessageMarshaller, 2795
looseMarshal, 2795

looseUnmarshal, 2795
MessageMarshaller, 2795
tightMarshal1, 2796
tightMarshal2, 2797
tightUnmarshal, 2797
activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller, 2841
~MessagePullMarshaller, 2842
createObject, 2842
getDataStructureType, 2843
looseMarshal, 2843
looseUnmarshal, 2843
MessagePullMarshaller, 2842
tightMarshal1, 2844
tightMarshal2, 2844
tightUnmarshal, 2845
activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller, 2897
~NetworkBridgeFilterMarshaller, 2898
createObject, 2898
getDataStructureType, 2898
looseMarshal, 2898
looseUnmarshal, 2899
NetworkBridgeFilterMarshaller, 2898
tightMarshal1, 2899
tightMarshal2, 2900
tightUnmarshal, 2900
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller, 3023
~PartialCommandMarshaller, 3025
createObject, 3025
getDataStructureType, 3025
looseMarshal, 3025
looseUnmarshal, 3026
PartialCommandMarshaller, 3025
tightMarshal1, 3026
tightMarshal2, 3027
tightUnmarshal, 3027
activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller, 3133
~ProducerAckMarshaller, 3134
createObject, 3134
getDataStructureType, 3134
looseMarshal, 3134
looseUnmarshal, 3135
ProducerAckMarshaller, 3134
tightMarshal1, 3135
tightMarshal2, 3136
tightUnmarshal, 3136
activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller, 3165
~ProducerIdMarshaller, 3166
createObject, 3166
getDataStructureType, 3167
looseMarshal, 3167
looseUnmarshal, 3167
ProducerIdMarshaller, 3166
tightMarshal1, 3168
tightMarshal2, 3168
tightUnmarshal, 3169
activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller, 3190
~ProducerInfoMarshaller, 3191
createObject, 3191
getDataStructureType, 3192
looseMarshal, 3192
looseUnmarshal, 3192
ProducerInfoMarshaller, 3191
tightMarshal1, 3193
tightMarshal2, 3193
tightUnmarshal, 3194
activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller, 3309
~RemoveInfoMarshaller, 3310
createObject, 3310
getDataStructureType, 3310
looseMarshal, 3311
looseUnmarshal, 3311
RemoveInfoMarshaller, 3310
tightMarshal1, 3311
tightMarshal2, 3312
tightUnmarshal, 3312
activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshal 3339
~RemoveSubscriptionInfoMarshaller, 3340
createObject, 3340
getDataStructureType, 3341
looseMarshal, 3341
looseUnmarshal, 3341
RemoveSubscriptionInfoMarshaller, 3340
tightMarshal1, 3342
tightMarshal2, 3342
tightUnmarshal, 3343
activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller, 3347
~ReplayCommandMarshaller, 3348
createObject, 3348
getDataStructureType, 3348

looseMarshal, 3349
looseUnmarshal, 3349
ReplayCommandMarshaller, 3348
tightMarshal1, 3349
tightMarshal2, 3350
tightUnmarshal, 3350
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller, 3388
~ResponseMarshaller, 3390
createObject, 3390
getDataStructureType, 3390
looseMarshal, 3390
looseUnmarshal, 3391
ResponseMarshaller, 3390
tightMarshal1, 3391
tightMarshal2, 3392
tightUnmarshal, 3393
activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller, 3485
~SessionIdMarshaller, 3486
createObject, 3486
getDataStructureType, 3486
looseMarshal, 3486
looseUnmarshal, 3487
SessionIdMarshaller, 3486
tightMarshal1, 3487
tightMarshal2, 3488
tightUnmarshal, 3488
activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller, 3530
~SessionInfoMarshaller, 3531
createObject, 3531
getDataStructureType, 3531
looseMarshal, 3531
looseUnmarshal, 3532
SessionInfoMarshaller, 3531
tightMarshal1, 3532
tightMarshal2, 3533
tightUnmarshal, 3533
activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller, 3597
~ShutdownInfoMarshaller, 3598
createObject, 3598
getDataStructureType, 3599
looseMarshal, 3599
looseUnmarshal, 3599
ShutdownInfoMarshaller, 3598
tightMarshal1, 3600
tightMarshal2, 3600
tightUnmarshal, 3601
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller, 3799
~SubscriptionInfoMarshaller, 3800
createObject, 3800
getDataStructureType, 3800
looseMarshal, 3800
looseUnmarshal, 3801
SubscriptionInfoMarshaller, 3800
tightMarshal1, 3801
tightMarshal2, 3802
tightUnmarshal, 3802
activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller, 3951
~TransactionIdMarshaller, 3953
looseMarshal, 3953
looseUnmarshal, 3953
tightMarshal1, 3954
tightMarshal2, 3954
tightUnmarshal, 3955
TransactionIdMarshaller, 3953
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller, 3981
~TransactionInfoMarshaller, 3982
createObject, 3982
getDataStructureType, 3982
looseMarshal, 3983
looseUnmarshal, 3983
tightMarshal1, 3983
tightMarshal2, 3984
tightUnmarshal, 3984
TransactionInfoMarshaller, 3982
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller, 4117
~WireFormatInfoMarshaller, 4118
createObject, 4118
getDataStructureType, 4118
looseMarshal, 4118
looseUnmarshal, 4119
tightMarshal1, 4119
tightMarshal2, 4120
tightUnmarshal, 4120
WireFormatInfoMarshaller, 4118
activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller, 4155
~XATransactionIdMarshaller, 4157
createObject, 4157
getDataStructureType, 4157
looseMarshal, 4157
looseUnmarshal, 4158
tightMarshal1, 4158

tightMarshal2, 4159
tightUnmarshal, 4159
XATransactionIdMarshaller, 4157
activemq::wireformat::openwire::marshal::v5, 121
activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller, 206
~ActiveMQBlobMessageMarshaller, 208
ActiveMQBlobMessageMarshaller, 208
createObject, 208
getDataStructureType, 208
looseMarshal, 208
looseUnmarshal, 209
tightMarshal1, 209
tightMarshal2, 210
tightUnmarshal, 210
activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller, 247
~ActiveMQBytesMessageMarshaller, 249
ActiveMQBytesMessageMarshaller, 249
createObject, 249
getDataStructureType, 249
looseMarshal, 249
looseUnmarshal, 250
tightMarshal1, 250
tightMarshal2, 251
tightUnmarshal, 251
activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller, 336
~ActiveMQDestinationMarshaller, 337
ActiveMQDestinationMarshaller, 337
looseMarshal, 337
looseUnmarshal, 337
tightMarshal1, 338
tightMarshal2, 338
tightUnmarshal, 339
activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller, 377
~ActiveMQMapMessageMarshaller, 378
ActiveMQMapMessageMarshaller, 378
createObject, 378
getDataStructureType, 379
looseMarshal, 379
looseUnmarshal, 379
tightMarshal1, 380
tightMarshal2, 380
tightUnmarshal, 381
activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller, 405
~ActiveMQMessageMarshaller, 407
ActiveMQMessageMarshaller, 407
createObject, 407
getDataStructureType, 407
looseMarshal, 407
looseUnmarshal, 408
tightMarshal1, 408
tightMarshal2, 409
tightUnmarshal, 409
activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarsha
453
~ActiveMQObjectMessageMarshaller, 454
ActiveMQObjectMessageMarshaller, 454
createObject, 454
getDataStructureType, 455
looseMarshal, 455
looseUnmarshal, 455
tightMarshal1, 456
tightMarshal2, 456
tightUnmarshal, 457
activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller, 499
~ActiveMQQueueMarshaller, 501
ActiveMQQueueMarshaller, 501
createObject, 501
getDataStructureType, 501
looseMarshal, 501
looseUnmarshal, 502
tightMarshal1, 502
tightMarshal2, 503
tightUnmarshal, 503
activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarsha
566
~ActiveMQStreamMessageMarshaller, 567
ActiveMQStreamMessageMarshaller, 567
createObject, 567
getDataStructureType, 567
looseMarshal, 567
looseUnmarshal, 568
tightMarshal1, 568
tightMarshal2, 569
tightUnmarshal, 569
activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarsl
595

~ActiveMQTempDestinationMarshaller, 596
ActiveMQTempDestinationMarshaller, 596
looseMarshal, 596
looseUnmarshal, 596
tightMarshal1, 597
tightMarshal2, 597
tightUnmarshal, 598
activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller, 624
~ActiveMQTempQueueMarshaller, 625
ActiveMQTempQueueMarshaller, 625
createObject, 625
getDataStructureType, 625
looseMarshal, 625
looseUnmarshal, 626
tightMarshal1, 626
tightMarshal2, 627
tightUnmarshal, 627
activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller, 654
~ActiveMQTempTopicMarshaller, 655
ActiveMQTempTopicMarshaller, 655
createObject, 655
getDataStructureType, 655
looseMarshal, 655
looseUnmarshal, 656
tightMarshal1, 656
tightMarshal2, 657
tightUnmarshal, 657
activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller, 684
~ActiveMQTextMessageMarshaller, 685
ActiveMQTextMessageMarshaller, 685
createObject, 685
getDataStructureType, 686
looseMarshal, 686
looseUnmarshal, 686
tightMarshal1, 687
tightMarshal2, 687
tightUnmarshal, 688
activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller, 714
~ActiveMQTopicMarshaller, 715
ActiveMQTopicMarshaller, 715
createObject, 715
getDataStructureType, 715
looseMarshal, 716
looseUnmarshal, 716
tightMarshal1, 716
tightMarshal2, 717
tightUnmarshal, 717
activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller, 793
~BaseCommandMarshaller, 794
BaseCommandMarshaller, 794
looseMarshal, 794
looseUnmarshal, 795
tightMarshal1, 796
tightMarshal2, 797
tightUnmarshal, 798
activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller, 890
~BrokerIdMarshaller, 891
BrokerIdMarshaller, 891
createObject, 891
getDataStructureType, 892
looseMarshal, 892
looseUnmarshal, 892
tightMarshal1, 893
tightMarshal2, 893
tightUnmarshal, 894
activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller, 923
~BrokerInfoMarshaller, 924
BrokerInfoMarshaller, 924
createObject, 924
getDataStructureType, 925
looseMarshal, 925
looseUnmarshal, 925
tightMarshal1, 926
tightMarshal2, 926
tightUnmarshal, 927
activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller, 1319
~ConnectionControlMarshaller, 1321
ConnectionControlMarshaller, 1321
createObject, 1321
getDataStructureType, 1321
looseMarshal, 1321
looseUnmarshal, 1322
tightMarshal1, 1322
tightMarshal2, 1323
tightUnmarshal, 1323
activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller, 1353
~ConnectionErrorMarshaller, 1354
ConnectionErrorMarshaller, 1354

createObject, 1354
getDataStructureType, 1354
looseMarshal, 1355
looseUnmarshal, 1355
tightMarshal1, 1355
tightMarshal2, 1356
tightUnmarshal, 1356
activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller, 1385
~ConnectionIdMarshaller, 1386
ConnectionIdMarshaller, 1386
createObject, 1386
getDataStructureType, 1386
looseMarshal, 1386
looseUnmarshal, 1387
tightMarshal1, 1387
tightMarshal2, 1388
tightUnmarshal, 1388
activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller, 1417
~ConnectionInfoMarshaller, 1418
ConnectionInfoMarshaller, 1418
createObject, 1418
getDataStructureType, 1418
looseMarshal, 1418
looseUnmarshal, 1419
tightMarshal1, 1419
tightMarshal2, 1420
tightUnmarshal, 1420
activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller, 1464
~ConsumerControlMarshaller, 1465
ConsumerControlMarshaller, 1465
createObject, 1465
getDataStructureType, 1465
looseMarshal, 1465
looseUnmarshal, 1466
tightMarshal1, 1466
tightMarshal2, 1467
tightUnmarshal, 1467
activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller, 1493
~ConsumerIdMarshaller, 1494
ConsumerIdMarshaller, 1494
createObject, 1494
getDataStructureType, 1495
looseMarshal, 1495
looseUnmarshal, 1495
tightMarshal1, 1496
tightMarshal2, 1496
tightUnmarshal, 1497
activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller, 1527
~ConsumerInfoMarshaller, 1528
ConsumerInfoMarshaller, 1528
createObject, 1528
getDataStructureType, 1528
looseMarshal, 1528
looseUnmarshal, 1529
tightMarshal1, 1529
tightMarshal2, 1530
tightUnmarshal, 1530
activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller, 1556
~ControlCommandMarshaller, 1558
ControlCommandMarshaller, 1558
createObject, 1558
getDataStructureType, 1558
looseMarshal, 1558
looseUnmarshal, 1559
tightMarshal1, 1559
tightMarshal2, 1560
tightUnmarshal, 1560
activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller, 1592
~DataArrayResponseMarshaller, 1593
createObject, 1593
DataArrayResponseMarshaller, 1593
getDataStructureType, 1593
looseMarshal, 1593
looseUnmarshal, 1594
tightMarshal1, 1594
tightMarshal2, 1595
tightUnmarshal, 1595
activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller, 1635
~DataResponseMarshaller, 1636
createObject, 1636
DataResponseMarshaller, 1636
getDataStructureType, 1636
looseMarshal, 1636
looseUnmarshal, 1637
tightMarshal1, 1637
tightMarshal2, 1638
tightUnmarshal, 1638
activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller, 1806
~DestinationInfoMarshaller, 1807
createObject, 1807
DestinationInfoMarshaller, 1807

getDataStructureType, 1807
looseMarshal, 1807
looseUnmarshal, 1808
tightMarshal1, 1808
tightMarshal2, 1809
tightUnmarshal, 1809
activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller, 1835
~DiscoveryEventMarshaller, 1836
createObject, 1836
DiscoveryEventMarshaller, 1836
getDataStructureType, 1837
looseMarshal, 1837
looseUnmarshal, 1837
tightMarshal1, 1838
tightMarshal2, 1838
tightUnmarshal, 1839
activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller, 1910
~ExceptionResponseMarshaller, 1912
createObject, 1912
ExceptionResponseMarshaller, 1912
getDataStructureType, 1912
looseMarshal, 1912
looseUnmarshal, 1913
tightMarshal1, 1913
tightMarshal2, 1914
tightUnmarshal, 1914
activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller, 2023
~FlushCommandMarshaller, 2024
createObject, 2024
FlushCommandMarshaller, 2024
getDataStructureType, 2024
looseMarshal, 2025
looseUnmarshal, 2025
tightMarshal1, 2025
tightMarshal2, 2026
tightUnmarshal, 2026
activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller, 2184
~IntegerResponseMarshaller, 2185
createObject, 2185
getDataStructureType, 2185
IntegerResponseMarshaller, 2185
looseMarshal, 2186
looseUnmarshal, 2186
tightMarshal1, 2187
tightMarshal2, 2187
tightUnmarshal, 2188
activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller, 2236
~JournalQueueAckMarshaller, 2237
createObject, 2237
getDataStructureType, 2237
JournalQueueAckMarshaller, 2237
looseMarshal, 2237
looseUnmarshal, 2238
tightMarshal1, 2238
tightMarshal2, 2239
tightUnmarshal, 2239
activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller, 2256
~JournalTopicAckMarshaller, 2258
createObject, 2258
getDataStructureType, 2258
JournalTopicAckMarshaller, 2258
looseMarshal, 2258
looseUnmarshal, 2259
tightMarshal1, 2259
tightMarshal2, 2259
tightUnmarshal, 2260
activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller, 2304
~JournalTraceMarshaller, 2305
createObject, 2305
getDataStructureType, 2305
JournalTraceMarshaller, 2305
looseMarshal, 2305
looseUnmarshal, 2306
tightMarshal1, 2306
tightMarshal2, 2307
tightUnmarshal, 2307
activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller, 2323
~JournalTransactionMarshaller, 2324
createObject, 2324
getDataStructureType, 2325
JournalTransactionMarshaller, 2324
looseMarshal, 2325
looseUnmarshal, 2325
tightMarshal1, 2326
tightMarshal2, 2326
tightUnmarshal, 2327
activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller, 2355
~KeepAliveInfoMarshaller, 2356
createObject, 2356
getDataStructureType, 2357
KeepAliveInfoMarshaller, 2356

looseMarshal, 2357
looseUnmarshal, 2357
tightMarshal1, 2358
tightMarshal2, 2358
tightUnmarshal, 2359
activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller, 2386
~LastPartialCommandMarshaller, 2388
createObject, 2388
getDataStructureType, 2388
LastPartialCommandMarshaller, 2388
looseMarshal, 2388
looseUnmarshal, 2389
tightMarshal1, 2389
tightMarshal2, 2390
tightUnmarshal, 2390
activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller, 2437
~LocalTransactionIdMarshaller, 2439
createObject, 2439
getDataStructureType, 2439
LocalTransactionIdMarshaller, 2439
looseMarshal, 2439
looseUnmarshal, 2440
tightMarshal1, 2440
tightMarshal2, 2441
tightUnmarshal, 2441
activemq::wireformat::openwire::marshal::v5::MarshallerFactory, 2569
~MarshallerFactory, 2569
configure, 2569
activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller, 2670
~MessageAckMarshaller, 2671
createObject, 2671
getDataStructureType, 2671
looseMarshal, 2671
looseUnmarshal, 2672
MessageAckMarshaller, 2671
tightMarshal1, 2672
tightMarshal2, 2673
tightUnmarshal, 2673
activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller, 2699
~MessageDispatchMarshaller, 2700
createObject, 2700
getDataStructureType, 2700
looseMarshal, 2701
looseUnmarshal, 2701
MessageDispatchMarshaller, 2700
tightMarshal1, 2701
tightMarshal2, 2702
tightUnmarshal, 2702
activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller, 2742
~MessageDispatchNotificationMarshaller, 2743
createObject, 2743
getDataStructureType, 2743
looseMarshal, 2743
looseUnmarshal, 2744
MessageDispatchNotificationMarshaller, 2743
tightMarshal1, 2744
tightMarshal2, 2745
tightUnmarshal, 2745
activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller, 2763
~MessageIdMarshaller, 2764
createObject, 2764
getDataStructureType, 2765
looseMarshal, 2765
looseUnmarshal, 2765
MessageIdMarshaller, 2764
tightMarshal1, 2766
tightMarshal2, 2766
tightUnmarshal, 2767
activemq::wireformat::openwire::marshal::v5::MessageMarshaller, 2780
~MessageMarshaller, 2781
looseMarshal, 2781
looseUnmarshal, 2782
MessageMarshaller, 2781
tightMarshal1, 2783
tightMarshal2, 2783
tightUnmarshal, 2784
activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller, 2833
~MessagePullMarshaller, 2834
createObject, 2834
getDataStructureType, 2834
looseMarshal, 2834
looseUnmarshal, 2835
MessagePullMarshaller, 2834
tightMarshal1, 2835
tightMarshal2, 2836
tightUnmarshal, 2836
activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller, 2889
~NetworkBridgeFilterMarshaller, 2890

createObject, 2890
getDataStructureType, 2890
looseMarshal, 2890
looseUnmarshal, 2891
NetworkBridgeFilterMarshaller, 2890
tightMarshal1, 2891
tightMarshal2, 2892
tightUnmarshal, 2892
activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller, 3014
~PartialCommandMarshaller, 3016
createObject, 3016
getDataStructureType, 3016
looseMarshal, 3016
looseUnmarshal, 3017
PartialCommandMarshaller, 3016
tightMarshal1, 3017
tightMarshal2, 3018
tightUnmarshal, 3018
activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller, 3141
~ProducerAckMarshaller, 3142
createObject, 3142
getDataStructureType, 3143
looseMarshal, 3143
looseUnmarshal, 3143
ProducerAckMarshaller, 3142
tightMarshal1, 3144
tightMarshal2, 3144
tightUnmarshal, 3145
activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller, 3173
~ProducerIdMarshaller, 3174
createObject, 3174
getDataStructureType, 3175
looseMarshal, 3175
looseUnmarshal, 3175
ProducerIdMarshaller, 3174
tightMarshal1, 3176
tightMarshal2, 3176
tightUnmarshal, 3177
activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller, 3203
~ProducerInfoMarshaller, 3204
createObject, 3204
getDataStructureType, 3204
looseMarshal, 3205
looseUnmarshal, 3205
ProducerInfoMarshaller, 3204
tightMarshal1, 3205
tightMarshal2, 3206
tightUnmarshal, 3206
activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller, 3305
~RemoveInfoMarshaller, 3306
createObject, 3306
getDataStructureType, 3306
looseMarshal, 3306
looseUnmarshal, 3307
RemoveInfoMarshaller, 3306
tightMarshal1, 3307
tightMarshal2, 3308
tightUnmarshal, 3308
activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller, 3335
~RemoveSubscriptionInfoMarshaller, 3336
createObject, 3336
getDataStructureType, 3336
looseMarshal, 3337
looseUnmarshal, 3337
RemoveSubscriptionInfoMarshaller, 3336
tightMarshal1, 3337
tightMarshal2, 3338
tightUnmarshal, 3338
activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller, 3368
~ReplayCommandMarshaller, 3369
createObject, 3369
getDataStructureType, 3370
looseMarshal, 3370
looseUnmarshal, 3370
ReplayCommandMarshaller, 3369
tightMarshal1, 3371
tightMarshal2, 3371
tightUnmarshal, 3372
activemq::wireformat::openwire::marshal::v5::ResponseMarshaller, 3398
~ResponseMarshaller, 3400
createObject, 3400
getDataStructureType, 3400
looseMarshal, 3400
looseUnmarshal, 3401
ResponseMarshaller, 3400
tightMarshal1, 3401
tightMarshal2, 3402
tightUnmarshal, 3403
activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller, 3493
~SessionIdMarshaller, 3494

createObject, 3494
getDataStructureType, 3494
looseMarshal, 3494
looseUnmarshal, 3495
SessionIdMarshaller, 3494
tightMarshal1, 3495
tightMarshal2, 3496
tightUnmarshal, 3496
activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller, 3513
~SessionInfoMarshaller, 3514
createObject, 3514
getDataStructureType, 3514
looseMarshal, 3514
looseUnmarshal, 3515
SessionInfoMarshaller, 3514
tightMarshal1, 3515
tightMarshal2, 3516
tightUnmarshal, 3516
activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller, 3589
~ShutdownInfoMarshaller, 3590
createObject, 3590
getDataStructureType, 3590
looseMarshal, 3590
looseUnmarshal, 3591
ShutdownInfoMarshaller, 3590
tightMarshal1, 3591
tightMarshal2, 3592
tightUnmarshal, 3592
activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller, 3795
~SubscriptionInfoMarshaller, 3796
createObject, 3796
getDataStructureType, 3796
looseMarshal, 3796
looseUnmarshal, 3797
SubscriptionInfoMarshaller, 3796
tightMarshal1, 3797
tightMarshal2, 3798
tightUnmarshal, 3798
activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller, 3935
~TransactionIdMarshaller, 3937
looseMarshal, 3937
looseUnmarshal, 3937
tightMarshal1, 3938
tightMarshal2, 3938
tightUnmarshal, 3939
TransactionIdMarshaller, 3937
activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller, 3964
~TransactionInfoMarshaller, 3965
createObject, 3965
getDataStructureType, 3965
looseMarshal, 3966
looseUnmarshal, 3966
tightMarshal1, 3967
tightMarshal2, 3967
tightUnmarshal, 3967
TransactionInfoMarshaller, 3965
activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller, 4104
~WireFormatInfoMarshaller, 4106
createObject, 4106
getDataStructureType, 4106
looseMarshal, 4106
looseUnmarshal, 4107
tightMarshal1, 4107
tightMarshal2, 4107
tightUnmarshal, 4108
WireFormatInfoMarshaller, 4106
activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller, 4168
~XATransactionIdMarshaller, 4169
createObject, 4169
getDataStructureType, 4170
looseMarshal, 4170
looseUnmarshal, 4170
tightMarshal1, 4171
tightMarshal2, 4171
tightUnmarshal, 4172
XATransactionIdMarshaller, 4169
activemq::wireformat::openwire::marshal::v6, 126
activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshall 211
~ActiveMQBlobMessageMarshaller, 212
ActiveMQBlobMessageMarshaller, 212
createObject, 212
getDataStructureType, 212
looseMarshal, 212
looseUnmarshal, 213
tightMarshal1, 213
tightMarshal2, 214
tightUnmarshal, 214
activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshal 252

~ActiveMQBytesMessageMarshaller, 253
ActiveMQBytesMessageMarshaller, 253
createObject, 253
getDataStructureType, 253
looseMarshal, 253
looseUnmarshal, 254
tightMarshal1, 254
tightMarshal2, 255
tightUnmarshal, 255
activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller, 344
~ActiveMQDestinationMarshaller, 345
ActiveMQDestinationMarshaller, 345
looseMarshal, 345
looseUnmarshal, 345
tightMarshal1, 346
tightMarshal2, 346
tightUnmarshal, 347
activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller, 386
~ActiveMQMapMessageMarshaller, 387
ActiveMQMapMessageMarshaller, 387
createObject, 387
getDataStructureType, 387
looseMarshal, 387
looseUnmarshal, 388
tightMarshal1, 388
tightMarshal2, 389
tightUnmarshal, 389
activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller, 414
~ActiveMQMessageMarshaller, 415
ActiveMQMessageMarshaller, 415
createObject, 415
getDataStructureType, 415
looseMarshal, 416
looseUnmarshal, 416
tightMarshal1, 416
tightMarshal2, 417
tightUnmarshal, 417
activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller, 462
~ActiveMQObjectMessageMarshaller, 463
ActiveMQObjectMessageMarshaller, 463
createObject, 463
getDataStructureType, 463
looseMarshal, 463
looseUnmarshal, 464
tightMarshal1, 464
tightMarshal2, 465
tightUnmarshal, 465
activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller, 508
~ActiveMQQueueMarshaller, 509
ActiveMQQueueMarshaller, 509
createObject, 509
getDataStructureType, 509
looseMarshal, 510
looseUnmarshal, 510
tightMarshal1, 510
tightMarshal2, 511
tightUnmarshal, 511
activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller, 574
~ActiveMQStreamMessageMarshaller, 575
ActiveMQStreamMessageMarshaller, 575
createObject, 575
getDataStructureType, 576
looseMarshal, 576
looseUnmarshal, 576
tightMarshal1, 577
tightMarshal2, 577
tightUnmarshal, 578
activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller, 603
~ActiveMQTempDestinationMarshaller, 604
ActiveMQTempDestinationMarshaller, 604
looseMarshal, 604
looseUnmarshal, 604
tightMarshal1, 605
tightMarshal2, 605
tightUnmarshal, 606
activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller, 632
~ActiveMQTempQueueMarshaller, 633
ActiveMQTempQueueMarshaller, 633
createObject, 633
getDataStructureType, 634
looseMarshal, 634
looseUnmarshal, 634
tightMarshal1, 635
tightMarshal2, 635

tightUnmarshal, 636
activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller, 662
~ActiveMQTempTopicMarshaller, 663
ActiveMQTempTopicMarshaller, 663
createObject, 663
getDataStructureType, 664
looseMarshal, 664
looseUnmarshal, 664
tightMarshal1, 665
tightMarshal2, 665
tightUnmarshal, 666
activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller, 688
~ActiveMQTextMessageMarshaller, 690
ActiveMQTextMessageMarshaller, 690
createObject, 690
getDataStructureType, 690
looseMarshal, 690
looseUnmarshal, 691
tightMarshal1, 691
tightMarshal2, 692
tightUnmarshal, 692
activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller, 718
~ActiveMQTopicMarshaller, 719
ActiveMQTopicMarshaller, 719
createObject, 719
getDataStructureType, 720
looseMarshal, 720
looseUnmarshal, 720
tightMarshal1, 721
tightMarshal2, 721
tightUnmarshal, 722
activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller, 800
~BaseCommandMarshaller, 801
BaseCommandMarshaller, 801
looseMarshal, 801
looseUnmarshal, 802
tightMarshal1, 803
tightMarshal2, 804
tightUnmarshal, 805
activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller, 894
~BrokerIdMarshaller, 895
BrokerIdMarshaller, 895
createObject, 895
getDataStructureType, 896
looseMarshal, 896
looseUnmarshal, 896
tightMarshal1, 897
tightMarshal2, 897
tightUnmarshal, 898
activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller, 927
~BrokerInfoMarshaller, 929
BrokerInfoMarshaller, 929
createObject, 929
getDataStructureType, 929
looseMarshal, 929
looseUnmarshal, 930
tightMarshal1, 930
tightMarshal2, 931
tightUnmarshal, 931
activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller, 1324
~ConnectionControlMarshaller, 1325
ConnectionControlMarshaller, 1325
createObject, 1325
getDataStructureType, 1325
looseMarshal, 1325
looseUnmarshal, 1326
tightMarshal1, 1326
tightMarshal2, 1327
tightUnmarshal, 1327
activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller, 1357
~ConnectionErrorMarshaller, 1358
ConnectionErrorMarshaller, 1358
createObject, 1358
getDataStructureType, 1359
looseMarshal, 1359
looseUnmarshal, 1359
tightMarshal1, 1360
tightMarshal2, 1360
tightUnmarshal, 1361
activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller, 1389
~ConnectionIdMarshaller, 1390
ConnectionIdMarshaller, 1390
createObject, 1390
getDataStructureType, 1390
looseMarshal, 1390
looseUnmarshal, 1391
tightMarshal1, 1391
tightMarshal2, 1392
tightUnmarshal, 1392

activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller, 1421
~ConnectionInfoMarshaller, 1422
ConnectionInfoMarshaller, 1422
createObject, 1422
getDataStructureType, 1422
looseMarshal, 1423
looseUnmarshal, 1423
tightMarshal1, 1423
tightMarshal2, 1424
tightUnmarshal, 1424
activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller, 1468
~ConsumerControlMarshaller, 1469
ConsumerControlMarshaller, 1469
createObject, 1469
getDataStructureType, 1469
looseMarshal, 1470
looseUnmarshal, 1470
tightMarshal1, 1470
tightMarshal2, 1471
tightUnmarshal, 1471
activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller, 1497
~ConsumerIdMarshaller, 1498
ConsumerIdMarshaller, 1498
createObject, 1498
getDataStructureType, 1499
looseMarshal, 1499
looseUnmarshal, 1499
tightMarshal1, 1500
tightMarshal2, 1500
tightUnmarshal, 1501
activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller, 1531
~ConsumerInfoMarshaller, 1532
ConsumerInfoMarshaller, 1532
createObject, 1532
getDataStructureType, 1532
looseMarshal, 1533
looseUnmarshal, 1533
tightMarshal1, 1533
tightMarshal2, 1534
tightUnmarshal, 1534
activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller, 1561
~ControlCommandMarshaller, 1562
ControlCommandMarshaller, 1562
createObject, 1562
getDataStructureType, 1562
looseMarshal, 1563
looseUnmarshal, 1563
tightMarshal1, 1563
tightMarshal2, 1564
tightUnmarshal, 1564
activemq::wireformat::openwire::marshal::v6::DataArrayResponse 1596
~DataArrayResponseMarshaller, 1597
createObject, 1597
DataArrayResponseMarshaller, 1597
getDataStructureType, 1597
looseMarshal, 1598
looseUnmarshal, 1598
tightMarshal1, 1599
tightMarshal2, 1599
tightUnmarshal, 1600
activemq::wireformat::openwire::marshal::v6::DataResponseMarsh 1639
~DataResponseMarshaller, 1640
createObject, 1640
DataResponseMarshaller, 1640
getDataStructureType, 1640
looseMarshal, 1641
looseUnmarshal, 1641
tightMarshal1, 1641
tightMarshal2, 1642
tightUnmarshal, 1642
activemq::wireformat::openwire::marshal::v6::DestinationInfoMars 1801
~DestinationInfoMarshaller, 1803
createObject, 1803
DestinationInfoMarshaller, 1803
getDataStructureType, 1803
looseMarshal, 1803
looseUnmarshal, 1804
tightMarshal1, 1804
tightMarshal2, 1805
tightUnmarshal, 1805
activemq::wireformat::openwire::marshal::v6::DiscoveryEventMar 1815
~DiscoveryEventMarshaller, 1816
createObject, 1816
DiscoveryEventMarshaller, 1816
getDataStructureType, 1816
looseMarshal, 1817
looseUnmarshal, 1817
tightMarshal1, 1817
tightMarshal2, 1818
tightUnmarshal, 1818

activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller, 1898
~ExceptionResponseMarshaller, 1899
createObject, 1899
ExceptionResponseMarshaller, 1899
getDataStructureType, 1899
looseMarshal, 1899
looseUnmarshal, 1900
tightMarshal1, 1900
tightMarshal2, 1901
tightUnmarshal, 1901
activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller, 2002
~FlushCommandMarshaller, 2003
createObject, 2003
FlushCommandMarshaller, 2003
getDataStructureType, 2003
looseMarshal, 2003
looseUnmarshal, 2004
tightMarshal1, 2004
tightMarshal2, 2005
tightUnmarshal, 2005
activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller, 2162
~IntegerResponseMarshaller, 2164
createObject, 2164
getDataStructureType, 2164
IntegerResponseMarshaller, 2164
looseMarshal, 2164
looseUnmarshal, 2165
tightMarshal1, 2165
tightMarshal2, 2166
tightUnmarshal, 2166
activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller, 2228
~JournalQueueAckMarshaller, 2229
createObject, 2229
getDataStructureType, 2229
JournalQueueAckMarshaller, 2229
looseMarshal, 2229
looseUnmarshal, 2230
tightMarshal1, 2230
tightMarshal2, 2231
tightUnmarshal, 2231
activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller, 2269
~JournalTopicAckMarshaller, 2270
createObject, 2270
getDataStructureType, 2270
JournalTopicAckMarshaller, 2270
looseMarshal, 2270
looseUnmarshal, 2271
tightMarshal1, 2271
tightMarshal2, 2272
tightUnmarshal, 2272
activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller, 2292
~JournalTraceMarshaller, 2293
createObject, 2293
getDataStructureType, 2293
JournalTraceMarshaller, 2293
looseMarshal, 2293
looseUnmarshal, 2294
tightMarshal1, 2294
tightMarshal2, 2295
tightUnmarshal, 2295
activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller, 2311
~JournalTransactionMarshaller, 2312
createObject, 2312
getDataStructureType, 2312
JournalTransactionMarshaller, 2312
looseMarshal, 2313
looseUnmarshal, 2313
tightMarshal1, 2314
tightMarshal2, 2314
tightUnmarshal, 2314
activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller, 2338
~KeepAliveInfoMarshaller, 2339
createObject, 2339
getDataStructureType, 2340
KeepAliveInfoMarshaller, 2339
looseMarshal, 2340
looseUnmarshal, 2340
tightMarshal1, 2341
tightMarshal2, 2341
tightUnmarshal, 2342
activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller, 2374
~LastPartialCommandMarshaller, 2375
createObject, 2375
getDataStructureType, 2375
LastPartialCommandMarshaller, 2375
looseMarshal, 2375
looseUnmarshal, 2376
tightMarshal1, 2376
tightMarshal2, 2377
tightUnmarshal, 2377

activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller, 2425
~LocalTransactionIdMarshaller, 2426
createObject, 2426
getDataStructureType, 2426
LocalTransactionIdMarshaller, 2426
looseMarshal, 2426
looseUnmarshal, 2427
tightMarshal1, 2427
tightMarshal2, 2428
tightUnmarshal, 2428
activemq::wireformat::openwire::marshal::v6::MarshallerFactory, 2567
~MarshallerFactory, 2567
configure, 2567
activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller, 2648
~MessageAckMarshaller, 2650
createObject, 2650
getDataStructureType, 2650
looseMarshal, 2650
looseUnmarshal, 2651
MessageAckMarshaller, 2650
tightMarshal1, 2651
tightMarshal2, 2652
tightUnmarshal, 2652
activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller, 2712
~MessageDispatchMarshaller, 2713
createObject, 2713
getDataStructureType, 2713
looseMarshal, 2713
looseUnmarshal, 2714
MessageDispatchMarshaller, 2713
tightMarshal1, 2714
tightMarshal2, 2715
tightUnmarshal, 2715
activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller, 2720
~MessageDispatchNotificationMarshaller, 2722
createObject, 2722
getDataStructureType, 2722
looseMarshal, 2722
looseUnmarshal, 2723
MessageDispatchNotificationMarshaller, 2722
tightMarshal1, 2723
tightMarshal2, 2724
tightUnmarshal, 2724
activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller, 2771
~MessageIdMarshaller, 2772
createObject, 2772
getDataStructureType, 2773
looseMarshal, 2773
looseUnmarshal, 2773
MessageIdMarshaller, 2772
tightMarshal1, 2774
tightMarshal2, 2774
tightUnmarshal, 2775
activemq::wireformat::openwire::marshal::v6::MessageMarshaller, 2802
~MessageMarshaller, 2804
looseMarshal, 2804
looseUnmarshal, 2804
MessageMarshaller, 2804
tightMarshal1, 2805
tightMarshal2, 2806
tightUnmarshal, 2806
activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller, 2850
~MessagePullMarshaller, 2851
createObject, 2851
getDataStructureType, 2851
looseMarshal, 2851
looseUnmarshal, 2852
MessagePullMarshaller, 2851
tightMarshal1, 2852
tightMarshal2, 2853
tightUnmarshal, 2853
activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller, 2885
~NetworkBridgeFilterMarshaller, 2886
createObject, 2886
getDataStructureType, 2886
looseMarshal, 2886
looseUnmarshal, 2887
NetworkBridgeFilterMarshaller, 2886
tightMarshal1, 2887
tightMarshal2, 2888
tightUnmarshal, 2888
activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller, 3005
~PartialCommandMarshaller, 3007
createObject, 3007
getDataStructureType, 3007
looseMarshal, 3007
looseUnmarshal, 3008
PartialCommandMarshaller, 3007

tightMarshal1, 3008
tightMarshal2, 3009
tightUnmarshal, 3009
activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller, 3145
~ProducerAckMarshaller, 3147
createObject, 3147
getDataStructureType, 3147
looseMarshal, 3147
looseUnmarshal, 3148
ProducerAckMarshaller, 3147
tightMarshal1, 3148
tightMarshal2, 3149
tightUnmarshal, 3149
activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller, 3177
~ProducerIdMarshaller, 3178
createObject, 3178
getDataStructureType, 3179
looseMarshal, 3179
looseUnmarshal, 3179
ProducerIdMarshaller, 3178
tightMarshal1, 3180
tightMarshal2, 3180
tightUnmarshal, 3181
activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller, 3211
~ProducerInfoMarshaller, 3213
createObject, 3213
getDataStructureType, 3213
looseMarshal, 3213
looseUnmarshal, 3214
ProducerInfoMarshaller, 3213
tightMarshal1, 3214
tightMarshal2, 3215
tightUnmarshal, 3215
activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller, 3292
~RemoveInfoMarshaller, 3293
createObject, 3293
getDataStructureType, 3293
looseMarshal, 3294
looseUnmarshal, 3294
RemoveInfoMarshaller, 3293
tightMarshal1, 3294
tightMarshal2, 3295
tightUnmarshal, 3295
activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller, 3331
~RemoveSubscriptionInfoMarshaller, 3332
createObject, 3332
getDataStructureType, 3332
looseMarshal, 3332
looseUnmarshal, 3333
RemoveSubscriptionInfoMarshaller, 3332
tightMarshal1, 3333
tightMarshal2, 3334
tightUnmarshal, 3334
activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller, 3364
~ReplayCommandMarshaller, 3365
createObject, 3365
getDataStructureType, 3365
looseMarshal, 3366
looseUnmarshal, 3366
ReplayCommandMarshaller, 3365
tightMarshal1, 3366
tightMarshal2, 3367
tightUnmarshal, 3367
activemq::wireformat::openwire::marshal::v6::ResponseMarshaller, 3413
~ResponseMarshaller, 3415
createObject, 3415
getDataStructureType, 3415
looseMarshal, 3415
looseUnmarshal, 3416
ResponseMarshaller, 3415
tightMarshal1, 3416
tightMarshal2, 3417
tightUnmarshal, 3418
activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller, 3489
~SessionIdMarshaller, 3490
createObject, 3490
getDataStructureType, 3490
looseMarshal, 3490
looseUnmarshal, 3491
SessionIdMarshaller, 3490
tightMarshal1, 3491
tightMarshal2, 3492
tightUnmarshal, 3492
activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller, 3508
~SessionInfoMarshaller, 3510
createObject, 3510
getDataStructureType, 3510
looseMarshal, 3511
looseUnmarshal, 3511

SessionInfoMarshaller, 3510
tightMarshal1, 3511
tightMarshal2, 3512
tightUnmarshal, 3512
activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller, 3576
~ShutdownInfoMarshaller, 3577
createObject, 3577
getDataStructureType, 3577
looseMarshal, 3578
looseUnmarshal, 3578
ShutdownInfoMarshaller, 3577
tightMarshal1, 3578
tightMarshal2, 3579
tightUnmarshal, 3579
activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller, 3803
~SubscriptionInfoMarshaller, 3804
createObject, 3804
getDataStructureType, 3804
looseMarshal, 3804
looseUnmarshal, 3805
SubscriptionInfoMarshaller, 3804
tightMarshal1, 3805
tightMarshal2, 3806
tightUnmarshal, 3806
activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller, 3955
~TransactionIdMarshaller, 3957
looseMarshal, 3957
looseUnmarshal, 3957
tightMarshal1, 3958
tightMarshal2, 3958
tightUnmarshal, 3959
TransactionIdMarshaller, 3957
activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller, 3977
~TransactionInfoMarshaller, 3978
createObject, 3978
getDataStructureType, 3978
looseMarshal, 3978
looseUnmarshal, 3979
tightMarshal1, 3979
tightMarshal2, 3980
tightUnmarshal, 3980
TransactionInfoMarshaller, 3978
activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller, 4109
~WireFormatInfoMarshaller, 4110
createObject, 4110
getDataStructureType, 4110
looseMarshal, 4110
looseUnmarshal, 4111
tightMarshal1, 4111
tightMarshal2, 4112
tightUnmarshal, 4112
WireFormatInfoMarshaller, 4110
activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller, 4147
~XATransactionIdMarshaller, 4148
createObject, 4148
getDataStructureType, 4148
looseMarshal, 4149
looseUnmarshal, 4149
tightMarshal1, 4150
tightMarshal2, 4150
tightUnmarshal, 4150
XATransactionIdMarshaller, 4148
activemq::wireformat::openwire::OpenWireFormat, 2971
~OpenWireFormat, 2974
addMarshaller, 2975
createNegotiator, 2975
DEFAULT_VERSION, 2984
destroyMarshalers, 2975
doUnmarshal, 2975
getCacheSize, 2976
getMaxInactivityDuration, 2976
getMaxInactivityDurationInitialDelay, 2976
getPreferedWireFormatInfo, 2976
getVersion, 2976
hasNegotiator, 2977
inReceive, 2977
isCacheEnabled, 2977
isSizePrefixDisabled, 2977
isStackTraceEnabled, 2978
isTcpNoDelayEnabled, 2978
isTightEncodingEnabled, 2978
looseMarshalNestedObject, 2978
looseUnmarshalNestedObject, 2979
marshal, 2979
NULL_TYPE, 2984
OpenWireFormat, 2974
renegotiateWireFormat, 2979
setCacheEnabled, 2980
setCacheSize, 2980
setMaxInactivityDuration, 2980
setMaxInactivityDurationInitialDelay, 2980

setPreferedWireFormatInfo, 2981
setSizePrefixDisabled, 2981
setStackTraceEnabled, 2981
setTcpNoDelayEnabled, 2981
setTightEncodingEnabled, 2982
setVersion, 2982
tightMarshalNestedObject1, 2982
tightMarshalNestedObject2, 2982
tightUnmarshalNestedObject, 2983
unmarshal, 2983
activemq::wireformat::openwire::OpenWireFormatFactory, 2984
~OpenWireFormatFactory, 2985
createWireFormat, 2985
OpenWireFormatFactory, 2985
activemq::wireformat::openwire::OpenWireFormatNegotiator, 2985
~OpenWireFormatNegotiator, 2987
close, 2987
onCommand, 2987
oneway, 2987
onTransportException, 2988
OpenWireFormatNegotiator, 2986
request, 2988
start, 2989
activemq::wireformat::openwire::OpenWireResponseBuilder, 2989
~OpenWireResponseBuilder, 2990
buildIncomingCommands, 2990
buildResponse, 2990
OpenWireResponseBuilder, 2990
activemq::wireformat::openwire::utils, 130
activemq::wireformat::openwire::utils::BooleanStream, 863
~BooleanStream, 864
BooleanStream, 864
clear, 864
marshal, 864, 865
marshalledSize, 865
readBoolean, 865
unmarshal, 865
writeBoolean, 865
activemq::wireformat::openwire::utils::HexTable, 2048
~HexTable, 2048
HexTable, 2048
operator[], 2048, 2049
size, 2049
activemq::wireformat::openwire::utils::MessagePropertyInterceptor, 2817
~MessagePropertyInterceptor, 2819
getBooleanProperty, 2820
getByteProperty, 2820
getDoubleProperty, 2820
getFloatProperty, 2820
getIntProperty, 2821
getLongProperty, 2821
getShortProperty, 2821
getStringProperty, 2821
MessagePropertyInterceptor, 2819
setBooleanProperty, 2822
setByteProperty, 2822
setDoubleProperty, 2822
setFloatProperty, 2822
setIntProperty, 2823
setLongProperty, 2823
setShortProperty, 2823
setStringProperty, 2823
activemq::wireformat::stomp, 130
activemq::wireformat::stomp::StompCommandConstants, 3738
ABORT, 3740
ACK, 3740
ACK_AUTO, 3740
ACK_CLIENT, 3740
ACK_INDIVIDUAL, 3740
BEGIN, 3740
BYTES, 3740
COMMIT, 3740
CONNECT, 3740
CONNECTED, 3740
DISCONNECT, 3740
ERROR_CMD, 3740
HEADER_ACK, 3740
HEADER_CLIENT_ID, 3740
HEADER_CONSUMERPRIORITY, 3740
HEADER_CONTENTLENGTH, 3740
HEADER_CORRELATIONID, 3740
HEADER_DESTINATION, 3740
HEADER_DISPATCH_ASYNC, 3740
HEADER_EXCLUSIVE, 3740
HEADER_EXPIRES, 3740
HEADER_ID, 3740
HEADER_JMSPRIORITY, 3740
HEADER_LOGIN, 3740
HEADER_MAXPENDINGMSGLIMIT, 3740
HEADER_MESSAGE, 3740
HEADER_MESSAGEID, 3740

HEADER_NOLOCAL, 3740
HEADER_OLDSUBSCRIPTIONNAME, 3740
HEADER_PASSWORD, 3740
HEADER_PERSISTENT, 3740
HEADER_PREFETCHSIZE, 3740
HEADER_RECEIPT_REQUIRED, 3740
HEADER_RECEIPTID, 3740
HEADER_REDELIVERED, 3740
HEADER_REDELIVERYCOUNT, 3740
HEADER_REPLYTO, 3740
HEADER_REQUESTID, 3740
HEADER_RESPONSEID, 3740
HEADER_RETROACTIVE, 3740
HEADER_SELECTOR, 3740
HEADER_SESSIONID, 3740
HEADER_SUBSCRIPTION, 3740
HEADER_SUBSCRIPTIONNAME, 3740
HEADER_TIMESTAMP, 3740
HEADER_TRANSACTIONID, 3740
HEADER_TRANSFORMATION, 3740
HEADER_TRANSFORMATION_ERROR, 3740
HEADER_TYPE, 3740
MESSAGE, 3740
QUEUE_PREFIX, 3740
RECEIPT, 3740
SEND, 3740
SUBSCRIBE, 3740
TEMPQUEUE_PREFIX, 3740
TEMPTOPIC_PREFIX, 3740
TEXT, 3740
TOPIC_PREFIX, 3740
UNSUBSCRIBE, 3740
activemq::wireformat::stomp::StompFrame, 3741
~StompFrame, 3742
clone, 3742
copy, 3743
fromStream, 3743
getBody, 3743
getBodyLength, 3743
getCommand, 3744
getProperties, 3744
getProperty, 3744
hasProperty, 3744
removeProperty, 3744
setBody, 3745
setCommand, 3745
setProperty, 3745
StompFrame, 3742
toStream, 3745
activemq::wireformat::stomp::StompHelper, 3746
~StompHelper, 3747
convertConsumerId, 3747, 3748
convertDestination, 3748
convertMessageId, 3748, 3749
convertProducerId, 3749
convertProperties, 3749, 3750
convertTransactionId, 3750
StompHelper, 3747
activemq::wireformat::stomp::StompWireFormat, 3751
~StompWireFormat, 3752
createNegotiator, 3752
getVersion, 3752
hasNegotiator, 3752
inReceive, 3753
marshal, 3753
setVersion, 3753
StompWireFormat, 3752
unmarshal, 3754
activemq::wireformat::stomp::StompWireFormatFactory, 3754
~StompWireFormatFactory, 3755
createWireFormat, 3755
StompWireFormatFactory, 3755
activemq::wireformat::WireFormat, 4088
~WireFormat, 4089
createNegotiator, 4089
getVersion, 4090
hasNegotiator, 4090
inReceive, 4090
marshal, 4090
setVersion, 4091
unmarshal, 4091
activemq::wireformat::WireFormatFactory, 4092
~WireFormatFactory, 4093
createWireFormat, 4093
activemq::wireformat::WireFormatNegotiator, 4129
~WireFormatNegotiator, 4129
WireFormatNegotiator, 4129
activemq::wireformat::WireFormatRegistry, 4129
~WireFormatRegistry, 4131
findFactory, 4131

getInstance, 4131
getWireFormatNames, 4131
registerFactory, 4131
unregisterFactory, 4132
ActiveMQBlobMessage
activemq::commands::ActiveMQBlobMessage, 186
ActiveMQBlobMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller, 195
activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller, 203
activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller, 191
activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller, 199
activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller, 208
activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller, 212
ActiveMQBytesMessage
activemq::commands::ActiveMQBytesMessage, 219
ActiveMQBytesMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller, 240
activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller, 257
activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller, 236
activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller, 244
activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller, 249
activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller, 253
ActiveMQConnection
activemq::core::ActiveMQConnection, 266
ActiveMQConnectionFactory
activemq::core::ActiveMQConnectionFactory, 284
ActiveMQConnectionMetaData
activemq::core::ActiveMQConnectionMetaData, 294
ActiveMQConsumer
activemq::core::ActiveMQConsumer, 303
ActiveMQCPP
activemq::library::ActiveMQCPP, 311
ActiveMQDestination
activemq::commands::ActiveMQDestination, 315
ActiveMQDestinationMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller, 329
activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller, 341
activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller, 325
activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller, 333
activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller, 337
activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller, 345
ActiveMQException
activemq::exceptions::ActiveMQException, 348, 349
ActiveMQMapMessage
activemq::commands::ActiveMQMapMessage, 353
ActiveMQMapMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller, 370
activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller, 382
activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller, 366
activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller, 374
activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller, 378
activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller, 387
ActiveMQMessage
activemq::commands::ActiveMQMessage, 391
ActiveMQMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller, 398
activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller, 411
activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller, 394
activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller, 402
activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller, 407
activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller,

415
ActiveMQMessageTemplate
activemq::commands::ActiveMQMessageTemplate, 422
ActiveMQObjectMessage
activemq::commands::ActiveMQObjectMessage, 439
ActiveMQObjectMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller, 446
activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller, 459
activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller, 442
activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller, 450
activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller, 454
activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller, 463
ActiveMQProducer
activemq::core::ActiveMQProducer, 468
ActiveMQProperties
activemq::util::ActiveMQProperties, 476
ActiveMQQueue
activemq::commands::ActiveMQQueue, 480
ActiveMQQueueBrowser
activemq::core::ActiveMQQueueBrowser, 484
ActiveMQQueueMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller, 492
activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller, 505
activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller, 488
activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller, 496
activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller, 501
activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller, 509
ActiveMQSession
activemq::core::ActiveMQSession, 517
ActiveMQSessionExecutor
activemq::core::ActiveMQSession, 532
activemq::core::ActiveMQSessionExecutor, 533
ActiveMQStreamMessage
activemq::commands::ActiveMQStreamMessage, 539
ActiveMQStreamMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller, 558
activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller, 571
activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller, 554
activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller, 563
activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller, 567
activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller, 575
ActiveMQTempDestination
activemq::commands::ActiveMQTempDestination, 580
ActiveMQTempDestinationMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQTempDestinationMarshaller, 588
activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller, 600
activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller, 584
activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller, 592
activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller, 596
activemq::wireformat::openwire::marshal::v6::ActiveMQTempDestinationMarshaller, 604
ActiveMQTempQueue
activemq::commands::ActiveMQTempQueue, 608
ActiveMQTempQueueMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQTempQueueMarshaller, 616
activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller, 629
activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller, 612
activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller, 621
activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller, 625
activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller, 633
ActiveMQTempTopic
activemq::commands::ActiveMQTempTopic, 638

ActiveMQTempTopicMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQTempTopicMarshaller, 651
activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller, 659
activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller, 642
activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller, 646
activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller, 655
activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller, 663
ActiveMQTextMessage
activemq::commands::ActiveMQTextMessage, 668
ActiveMQTextMessageMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller, 681
activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller, 694
activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller, 673
activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller, 677
activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller, 685
activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller, 690
ActiveMQTopic
activemq::commands::ActiveMQTopic, 698
ActiveMQTopicMarshaller
activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller, 711
activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller, 724
activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller, 702
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller, 707
activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller, 715
activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller, 719
ActiveMQTransactionContext
activemq::core::ActiveMQTransactionContext, 728
add
activemq::transport::failover::CloseTransportsTask, 1182
activemq::transport::failover::FailoverTransport, 1933
decaf::util::AbstractCollection, 162
decaf::util::AbstractQueue, 177
decaf::util::Collection, 1218
decaf::util::List, 2410
decaf::util::PriorityQueue, 3120
decaf::util::StlSet, 3734
decaf::util::AbstractCollection, 163
decaf::util::AbstractQueue, 177
decaf::util::Collection, 1219
decaf::util::List, 2411
decaf::util::StlList, 3701
decaf::util::concurrent::atomic::AtomicInteger, 750
addAsResource
activemq::cmsutil::ResourceLifecycleManager, 3376
addCommand
activemq::state::SessionStateMap, 3991
addConnection
activemq::cmsutil::ResourceLifecycleManager, 3377
activemq::core::ActiveMQSession, 517
activemq::state::SessionState, 3537
addDestination
activemq::cmsutil::ResourceLifecycleManager, 3377
activemq::core::ActiveMQConnection, 266
addHandler
decaf::util::logging::LogManager, 2465
additionalPredicate
activemq::cmsutil::ConsumerInfo, 1509
decaf::util::logging::LogManager, 2483
activemq::wireformat::openwire::OpenWireFormat, 2975
addMessageConsumer
activemq::cmsutil::ResourceLifecycleManager, 3378
addMessageProducer

activemq::cmsutil::ResourceLifecycleManager, 3378
addNetworkResource
decaf::internal::net::Network, 2876
addProducer
activemq::core::ActiveMQConnection, 266
activemq::core::ActiveMQSession, 517
activemq::state::SessionState, 3537
addProducerState
activemq::state::TransactionState, 3991
addPropertyChangeListener
decaf::util::logging::LogManager, 2484
addResource
decaf::internal::util::ResourceLifecycleManager, 3376
address
decaf::net::SocketImpl, 3644
addressBytes
decaf::net::InetAddress, 2085
addSession
activemq::cmsutil::ResourceLifecycleManager, 3378
activemq::state::ConnectionState, 1431
addSynchronization
activemq::core::ActiveMQTransactionContext, 728
addTask
activemq::threads::CompositeTaskRunner, 1257
addTempDestination
activemq::state::ConnectionState, 1431
addTransactionState
activemq::state::ConnectionState, 1431
addTransportListener
activemq::core::ActiveMQConnection, 267
addURI
activemq::transport::CompositeTransport, 1259
activemq::transport::failover::FailoverTransport, 1933
activemq::transport::failover::URIPool, 4055
addURIs
activemq::transport::failover::URIPool, 4055
adjustMinimum
decaf::internal::util::TimerTaskHeap, 3918
adler
z_stream_s, 4175
Adler32
decaf::util::zip::Adler32, 731
advisory
activemq::commands::ActiveMQDestination, 322
ADVISORY_PREFIX
activemq::commands::ActiveMQDestination, 322
after
decaf::util::Date, 1721
afterCommit
activemq::core::Synchronization, 3827
afterMarshal
activemq::commands::BaseDataStructure, 838
activemq::wireformat::MarshalAware, 2565
afterMessageIsConsumed
activemq::core::ActiveMQConsumer, 304
afterRollback
activemq::core::Synchronization, 3827
afterUnmarshal
activemq::commands::BaseDataStructure, 838
activemq::commands::Message, 2601
activemq::commands::WireFormatInfo, 4096
activemq::wireformat::MarshalAware, 2565
ALL
decaf::util::logging::Level, 2407
allocate
decaf::nio::ByteBuffer, 1056
decaf::nio::CharBuffer, 1152
decaf::nio::DoubleBuffer, 1868
decaf::nio::FloatBuffer, 1988
decaf::nio::IntBuffer, 2133
decaf::nio::LongBuffer, 2525
decaf::nio::ShortBuffer, 3563
AMQ_CATCH_ALL_THROW_CMSEXCEPTION
CMSExceptionSupport.h, 4273
AMQ_CATCH_EXCEPTION_CONVERT
activemq/exceptions/ExceptionDefines.h, 4238
AMQ_CATCH_NOTHROW
activemq/exceptions/ExceptionDefines.h, 4239

AMQ_CATCH_RETHROW
activemq/exceptions/ExceptionDefines.h, 4239
AMQ_CATCHALL_NOTHROW
activemq/exceptions/ExceptionDefines.h, 4239
AMQ_CATCHALL_THROW
activemq/exceptions/ExceptionDefines.h, 4240
AMQCPP_API
activemq/util/Config.h, 4275
ANY_CHILD
activemq::commands::ActiveMQDestination::DestinationFilter, 1779
ANY_DESCENDENT
activemq::commands::ActiveMQDestination::DestinationFilter, 1779
anyBytes
decaf::net::InetAddress, 2085
append
decaf::io::Writer, 4135, 4136
decaf::lang::Appendable, 734
decaf::nio::CharBuffer, 1152–1154
AprPool
decaf::internal::AprPool, 736
array
decaf::internal::nio::ByteArrayBuffer, 1020
decaf::internal::nio::CharArrayBuffer, 1141
decaf::internal::nio::DoubleArrayBuffer, 1859
decaf::internal::nio::FloatArrayBuffer, 1980
decaf::internal::nio::IntArrayBuffer, 2125
decaf::internal::nio::LongArrayBuffer, 2517
decaf::internal::nio::ShortArrayBuffer, 3554
decaf::nio::ByteBuffer, 1056
decaf::nio::CharBuffer, 1154
decaf::nio::DoubleBuffer, 1868
decaf::nio::FloatBuffer, 1988
decaf::nio::IntBuffer, 2133
decaf::nio::LongBuffer, 2525
decaf::nio::ShortBuffer, 3563
arraycopy
decaf::lang::System, 3840, 3841
arrayOffset
decaf::internal::nio::ByteArrayBuffer, 1020
decaf::internal::nio::CharArrayBuffer, 1142
decaf::internal::nio::DoubleArrayBuffer, 1860
decaf::internal::nio::FloatArrayBuffer, 1980
decaf::internal::nio::IntArrayBuffer, 2125
decaf::internal::nio::LongArrayBuffer, 2517
decaf::internal::nio::ShortArrayBuffer, 3555
decaf::nio::ByteBuffer, 1057
decaf::nio::CharBuffer, 1155
decaf::nio::DoubleBuffer, 1869
decaf::nio::FloatBuffer, 1989
decaf::nio::IntBuffer, 2134
decaf::nio::LongBuffer, 2526
decaf::nio::ShortBuffer, 3564
ArrayPointer
decaf::lang::ArrayPointer, 739, 740
arrival
activemq::commands::Message, 2613
asCharBuffer
decaf::internal::nio::ByteArrayBuffer, 1021
decaf::nio::ByteBuffer, 1057
asciiToModifiedUtf8
activemq::util::MarshallingSupport, 2572
asDoubleBuffer
decaf::internal::nio::ByteArrayBuffer, 1021
decaf::nio::ByteBuffer, 1057
asFloatBuffer
decaf::internal::nio::ByteArrayBuffer, 1021
decaf::nio::ByteBuffer, 1058
asIntBuffer
decaf::internal::nio::ByteArrayBuffer, 1022
decaf::nio::ByteBuffer, 1058
asLongBuffer
decaf::internal::nio::ByteArrayBuffer, 1022
decaf::nio::ByteBuffer, 1059
asReadOnlyBuffer
decaf::internal::nio::ByteArrayBuffer, 1022

decaf::internal::nio::CharArrayBuffer, 1142
decaf::internal::nio::DoubleArrayBuffer, 1860
decaf::internal::nio::FloatArrayBuffer, 1981
decaf::internal::nio::IntArrayBuffer, 2126
decaf::internal::nio::LongArrayBuffer, 2518
decaf::internal::nio::ShortArrayBuffer, 3555
decaf::nio::ByteBuffer, 1059
decaf::nio::CharBuffer, 1155
decaf::nio::DoubleBuffer, 1869
decaf::nio::FloatBuffer, 1989
decaf::nio::IntBuffer, 2134
decaf::nio::LongBuffer, 2526
decaf::nio::ShortBuffer, 3564
Assert
zutil.h, 4639
asShortBuffer
decaf::internal::nio::ByteArrayBuffer, 1023
decaf::nio::ByteBuffer, 1059
AsyncSignalReadErrorkTask
activemq::transport::inactivity::InactivityMonitor, 2069
AsyncWriteTask
activemq::transport::inactivity::InactivityMonitor, 2069
atEOF
decaf::util::zip::InflaterInputStream, 2104
AtomicBoolean
decaf::util::concurrent::atomic::AtomicBoolean, 746
AtomicInteger
decaf::util::concurrent::atomic::AtomicInteger, 750
AtomicRefCounter
decaf::util::concurrent::atomic::AtomicRefCounter, 755
AtomicReference
decaf::util::concurrent::atomic::AtomicReference, 757
AUTO_ACKNOWLEDGE
cms::Session, 3464
avail_in
z_stream_s, 4175
avail_out
z_stream_s, 4175
available
decaf::internal::io::StandardInputStream, 3689
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2946
decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream, 2967
decaf::internal::net::tcp::TcpSocket, 3854
decaf::internal::net::tcp::TcpSocketInputStream, 3861
decaf::io::BlockingByteArrayInputStream, 847
decaf::io::BufferedInputStream, 946
decaf::io::ByteArrayInputStream, 1043
decaf::io::FilterInputStream, 1953
decaf::io::InputStream, 2107
decaf::io::PushbackInputStream, 3234
decaf::net::SocketImpl, 3638
decaf::util::zip::InflaterInputStream, 2101
availablePermits
decaf::util::concurrent::Semaphore, 3440
availableProcessors
decaf::lang::System, 3842
await
decaf::util::concurrent::CountDownLatch, 1566, 1567
decaf::util::concurrent::locks::Condition, 1285, 1286
awaitNanos
decaf::util::concurrent::locks::Condition, 1286
awaitTermination
decaf::util::concurrent::ExecutorService, 1929
awaitUninterruptibly
decaf::util::concurrent::locks::Condition, 1288
awaitUntil
decaf::util::concurrent::locks::Condition, 1289
back
decaf::util::StlQueue, 3725
inflate_state, 2087
BackupTransport
activemq::transport::failover::BackupTransport, 760
activemq::transport::failover::BackupTransportPool, 764
BackupTransportPool

activemq::transport::failover::BackupTransportPool, 763
BAD
inflate.h, 4627
base_dist
trees.h, 4629
base_length
trees.h, 4630
BaseCommand
activemq::commands::BaseCommand, 766
BaseCommandMarshaller
activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller, 787
activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller, 808
activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller, 772
activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller, 780
activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller, 794
activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller, 801
before
decaf::util::Date, 1721
beforeEnd
activemq::core::Synchronization, 3827
beforeMarshal
activemq::commands::ActiveMQMapMessage, 353
activemq::commands::ActiveMQTextMessage, 668
activemq::commands::BaseDataStructure, 839
activemq::commands::Message, 2601
activemq::commands::WireFormatInfo, 4096
activemq::wireformat::MarshalAware, 2565
beforeMessageIsConsumed
activemq::core::ActiveMQConsumer, 304
beforeUnmarshal
activemq::commands::BaseDataStructure, 839
activemq::wireformat::MarshalAware, 2565
BEGIN
activemq::wireformat::stomp::StompCommandConstants, 3740
begin
activemq::core::ActiveMQTransactionContext, 728
BEST_COMPRESSION
decaf::util::zip::Deflater, 1768
BEST_SPEED
decaf::util::zip::Deflater, 1768
bi_buf
internal_state, 2191
bi_valid
internal_state, 2191
BIG_STRING_TYPE
activemq::util::PrimitiveValueNode, 3104
BINARY_MIME_TYPE
activemq::commands::ActiveMQBlobMessage, 189
bind
decaf::internal::net::tcp::TcpSocket, 3854
decaf::net::ServerSocket, 3452
decaf::net::Socket, 3614
decaf::net::SocketImpl, 3638
BindException
decaf::net::BindException, 843, 844
bitCount
decaf::lang::Integer, 2147
decaf::lang::Long, 2498
bits
code, 1216
inflate_state, 2087
BL_CODES
deflate.h, 4622
bl_count
internal_state, 2191
bl_desc
internal_state, 2191
bl_tree
internal_state, 2191
block_start
internal_state, 2191
BLOCKED
decaf::lang::Thread, 3880
BlockingByteArrayInputStream
decaf::io::BlockingByteArrayInputStream, 846
Boolean
decaf::lang::Boolean, 857
BOOLEAN_TYPE
activemq::util::PrimitiveValueNode, 3104

BooleanExpression
activemq::commands::BooleanExpression, 862
BooleanStream
activemq::wireformat::openwire::utils::BooleanStream, 864
booleanValue
decaf::lang::Boolean, 857
boolValue
activemq::util::PrimitiveValueNode::PrimitiveValue, 3098
branchQualifier
activemq::commands::XATransactionId, 4147
BrokenBarrierException
decaf::util::concurrent::BrokenBarrierException, 867, 868
BrokerError
activemq::commands::BrokerError, 870
BrokerException
activemq::exceptions::BrokerException, 874
BrokerId
activemq::commands::BrokerId, 876
brokerId
activemq::commands::BrokerInfo, 910
BrokerIdMarshaller
activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller, 887
activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller, 899
activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller, 879
activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller, 883
activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller, 891
activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller, 895
BrokerInfo
activemq::commands::BrokerInfo, 904
BrokerInfoMarshaller
activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller, 920
activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller, 933
activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller, 912
activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller, 916
activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller, 924
activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller, 929
brokerInstance
activemq::commands::Message, 2613
brokerMasterConnector
activemq::commands::ConnectionInfo, 1399
brokerName
activemq::commands::BrokerInfo, 910
activemq::commands::DiscoveryEvent, 1815
brokerOutTime
activemq::commands::Message, 2613
brokerPath
activemq::commands::ConnectionInfo, 1399
activemq::commands::ConsumerInfo, 1509
activemq::commands::DestinationInfo, 1784
activemq::commands::Message, 2613
activemq::commands::ProducerInfo, 3190
brokerSequenceId
activemq::commands::MessageId, 2755
brokerUploadUrl
activemq::commands::BrokerInfo, 910
brokerURL
activemq::commands::BrokerInfo, 910
Browser
activemq::cms::AbstractCMSQueueBrowser, 486
browse
activemq::commands::ConsumerInfo, 1509
buf
decaf::util::zip::DeflaterOutputStream, 1773
buff
decaf::util::zip::InflaterInputStream, 2104
Buffer
decaf::io::BufferInputStream, 939
buffer
decaf::io::DataOutputStream, 1631
BufferedInputStream
decaf::io::BufferedInputStream, 945
BufferedOutputStream
decaf::io::BufferedOutputStream, 949, 950

BufferOverflowException
decaf::nio::BufferOverflowException, 965, 966
BufferUnderflowException
decaf::nio::BufferUnderflowException, 967, 968
buildIncomingCommands
activemq::transport::mock::ResponseBuilder, 3383
activemq::wireformat::openwire::OpenWireResponseBuilder, 2990
buildMessage
decaf::lang::Exception, 1889
buildResponse
activemq::transport::mock::ResponseBuilder, 3383
activemq::wireformat::openwire::OpenWireResponseBuilder, 2990
BUSY_STATE
deflate.h, 4623
Byte
decaf::lang::Byte, 971
zconf.h, 4632
BYTE_ARRAY_TYPE
activemq::util::PrimitiveValueNode, 3104
BYTE_TYPE
activemq::util::PrimitiveValueNode, 3104
ByteArrayAdapter
decaf::internal::util::ByteArrayAdapter, 984–987
ByteArrayBuffer
decaf::internal::nio::ByteArrayBuffer, 1018, 1019
ByteArrayInputStream
decaf::io::ByteArrayInputStream, 1041, 1042
ByteArrayOutputStream
decaf::io::ByteArrayOutputStream, 1047
byteArrayValue
activemq::util::PrimitiveValueNode::PrimitiveValue, 3098
ByteBuffer
decaf::nio::ByteBuffer, 1055
Bytef
zconf.h, 4632
BYTES
activemq::wireformat::stomp::StompCommandConstants, 3740
bytesToInt
decaf::net::InetAddress, 2080
byteValue
activemq::util::PrimitiveValueNode::PrimitiveValue, 3098
decaf::lang::Byte, 972
decaf::lang::Character, 1129
decaf::lang::Double, 1844
decaf::lang::Float, 1964
decaf::lang::Integer, 2147
decaf::lang::Long, 2499
decaf::lang::Number, 2919
decaf::lang::Short, 3541

CachedConsumer
activemq::cmsutil::CachedConsumer, 1099
CachedProducer
activemq::cmsutil::CachedProducer, 1103
call
decaf::util::concurrent::Callable, 1109
cancel
decaf::util::concurrent::Future, 2030
decaf::util::Timer, 3904
decaf::util::TimerTask, 3915
CancellationException
decaf::util::concurrent::CancellationException, 1110, 1111
capacity
decaf::nio::Buffer, 939
cause
decaf::lang::Exception, 1893
ceil
decaf::lang::Math, 2579
CertificateEncodingException
decaf::security::cert::CertificateEncodingException, 1117
CertificateException
decaf::security::cert::CertificateException, 1119
CertificateExpiredException
decaf::security::cert::CertificateExpiredException, 1121
CertificateNotYetValidException
decaf::security::cert::CertificateNotYetValidException, 1123
CertificateParsingException
decaf::security::cert::CertificateParsingException, 1125
CHAR_TYPE
activemq::util::PrimitiveValueNode, 3104
Character

decaf::lang::Character, 1128
CharArrayBuffer
decaf::internal::nio::CharArrayBuffer, 1140, 1141
charAt
decaf::lang::CharSequence, 1168
decaf::lang::String, 3777
decaf::nio::CharBuffer, 1155
CharBuffer
decaf::nio::CharBuffer, 1152
charf
zconf.h, 4632
charValue
activemq::util::PrimitiveValueNode::PrimitiveValueNode, 3098
CHECK
inflate.h, 4627
check
inflate_state, 2087
checkClosed
decaf::io::InputStreamReader, 2118
decaf::io::OutputStreamWriter, 3001
decaf::net::ServerSocket, 3453
decaf::net::Socket, 3614
checkConnectionFactory
activemq::cmsutil::CmsAccessor, 1185
checkDestinationResolver
activemq::cmsutil::CmsDestinationAccessor, 1189
CheckedInputStream
decaf::util::zip::CheckedInputStream, 1170
CheckedOutputStream
decaf::util::zip::CheckedOutputStream, 1173
checkMapIsUnmarshalled
activemq::commands::ActiveMQMapMessage, 353
checkResult
decaf::internal::net::tcp::TcpSocket, 3855
checkShutdown
activemq::state::ConnectionState, 1431
activemq::state::SessionState, 3537
activemq::state::TransactionState, 3991
checkValidity
decaf::security::cert::X509Certificate, 4142
ClassCastException
decaf::lang::exceptions::ClassCastException, 1177, 1178
ClassName
activemq::commands::BrokerError::StackTraceElement, 3686
cleanup
decaf::internal::AprPool, 736
clear
activemq::core::ActiveMQSessionExecutor, 533
activemq::core::MessageDispatchChannel, 2685
activemq::util::ActiveMQProperties, 476
activemq::util::PrimitiveValueNode, 3107
activemq::wireformat::openwire::utils::BooleanStream, 864
cms::CMSProperties, 1197
decaf::internal::util::ByteArrayAdapter, 988
decaf::nio::Buffer, 939
decaf::util::AbstractCollection, 163
decaf::util::AbstractQueue, 178
decaf::util::Collection, 1220
decaf::util::concurrent::ConcurrentStlMap, 1270
decaf::util::concurrent::SynchronousQueue, 3830
decaf::util::Map, 2540
decaf::util::PriorityQueue, 3120
decaf::util::Properties, 3219
decaf::util::StlList, 3702
decaf::util::StlMap, 3713
decaf::util::StlQueue, 3725
decaf::util::StlSet, 3735
clearBody
activemq::commands::ActiveMQBytesMessage, 219
activemq::commands::ActiveMQMapMessage, 353
activemq::commands::ActiveMQMessageTemplate, 422
activemq::commands::ActiveMQStreamMessage, 539
activemq::commands::ActiveMQTextMessage, 668
cms::Message, 2619
clearMessagesInProgress
activemq::core::ActiveMQConsumer, 304
activemq::core::ActiveMQSession, 518
activemq::core::ActiveMQSessionExecutor, 533

clearProperties
activemq::commands::ActiveMQMessageTemplate, 422
cms::Message, 2620
clearProperty
decaf::lang::System, 3842
CLIENT_ACKNOWLEDGE
cms::Session, 3464
clientId
activemq::commands::ConnectionInfo, 1399
activemq::commands::JournalTopicAck, 2256
activemq::commands::RemoveSubscriptionInfo, 3318
activemq::commands::SubscriptionInfo, 3786
clientMaster
activemq::commands::ConnectionInfo, 1399
clockSequence
decaf::util::UUID, 4083
clone
activemq::commands::ActiveMQBlobMessage, 186
activemq::commands::ActiveMQBytesMessage, 219
activemq::commands::ActiveMQMapMessage, 354
activemq::commands::ActiveMQMessage, 391
activemq::commands::ActiveMQObjectMessage, 439
activemq::commands::ActiveMQQueue, 480
activemq::commands::ActiveMQStreamMessage, 539
activemq::commands::ActiveMQTempQueue, 608
activemq::commands::ActiveMQTempTopic, 638
activemq::commands::ActiveMQTextMessage, 668
activemq::commands::ActiveMQTopic, 698
activemq::core::policies::DefaultPrefetchPolicy, 1727
activemq::core::policies::DefaultRedeliveryPolicy, 1731
activemq::core::PrefetchPolicy, 3064
activemq::core::RedeliveryPolicy, 3269
activemq::exceptions::ActiveMQException, 349
activemq::exceptions::BrokerException, 874
activemq::util::ActiveMQProperties, 476
activemq::wireformat::stomp::StompFrame, 3742
cms::BytesMessage, 1083
cms::CMSProperties, 1197
cms::Destination, 1778
cms::Message, 2620
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2928
decaf::internal::net::ssl::openssl::OpenSSLSocketException, 2958
decaf::io::EOFException, 1883
decaf::io::InterruptedIOException, 2198
decaf::io::IOException, 2212
decaf::io::UnsupportedEncodingException, 4027
decaf::io::UTFDataFormatException, 4080
decaf::lang::ArrayPointer, 740
decaf::lang::Exception, 1889
decaf::lang::exceptions::ClassCastException, 1179
decaf::lang::exceptions::IllegalArgumentException, 2056
decaf::lang::exceptions::IllegalMonitorStateException, 2059
decaf::lang::exceptions::IllegalStateException, 2062
decaf::lang::exceptions::IllegalThreadStateException, 2065
decaf::lang::exceptions::IndexOutOfBoundsException, 2072
decaf::lang::exceptions::InterruptedException, 2196
decaf::lang::exceptions::InvalidStateException, 2210
decaf::lang::exceptions::NoSuchElementException, 2912
decaf::lang::exceptions::NullPointerException, 2918
decaf::lang::exceptions::NumberFormatException, 2923
decaf::lang::exceptions::RuntimeException, 3423

decaf::lang::exceptions::UnsupportedOperationException, 4030
decaf::lang::Throwable, 3896
decaf::net::BindException, 844
decaf::net::ConnectException, 1296
decaf::net::HttpRetryException, 2051
decaf::net::MalformedURLException, 2538
decaf::net::NoRouteToHostException, 2907
decaf::net::PortUnreachableException, 3062
decaf::net::ProtocolException, 3230
decaf::net::SocketException, 3629
decaf::net::SocketTimeoutException, 3652
decaf::net::UnknownHostException, 4022
decaf::net::UnknownServiceException, 4024
decaf::net::URISyntaxException, 4063
decaf::nio::BufferOverflowException, 966
decaf::nio::BufferUnderflowException, 969
decaf::nio::InvalidMarkException, 2206
decaf::nio::ReadOnlyBufferException, 3263
decaf::security::cert::CertificateEncodingException, 1118
decaf::security::cert::CertificateException, 1120
decaf::security::cert::CertificateExpiredException, 1122
decaf::security::cert::CertificateNotYetValidException, 1124
decaf::security::cert::CertificateParsingException, 1126
decaf::security::GeneralSecurityException, 2037
decaf::security::InvalidKeyException, 2203
decaf::security::KeyException, 2368
decaf::security::KeyManagementException, 2371
decaf::security::NoSuchAlgorithmException, 2910
decaf::security::NoSuchProviderException, 2915
decaf::security::SignatureException, 3604
decaf::util::concurrent::BrokenBarrierException, 868
decaf::util::concurrent::CancellationException, 1112
decaf::util::concurrent::ExecutionException, 1926
decaf::util::concurrent::RejectedExecutionException, 3282
decaf::util::concurrent::TimeoutException, 3901
decaf::util::Properties, 3219
decaf::util::zip::DataFormatException, 1602
decaf::util::zip::ZipException, 4178
cloneDataStructure
activemq::commands::ActiveMQBlobMessage, 186
activemq::commands::ActiveMQBytesMessage, 219
activemq::commands::ActiveMQDestination, 315
activemq::commands::ActiveMQMapMessage, 354
activemq::commands::ActiveMQMessage, 391
activemq::commands::ActiveMQObjectMessage, 439
activemq::commands::ActiveMQQueue, 481
activemq::commands::ActiveMQStreamMessage, 539
activemq::commands::ActiveMQTempDestination, 580
activemq::commands::ActiveMQTempQueue, 608
activemq::commands::ActiveMQTempTopic, 638
activemq::commands::ActiveMQTextMessage, 669
activemq::commands::ActiveMQTopic, 698
activemq::commands::BooleanExpression, 862
activemq::commands::BrokerError, 870
activemq::commands::BrokerId, 876
activemq::commands::BrokerInfo, 904
activemq::commands::ConnectionControl, 1303
activemq::commands::ConnectionError, 1333

activemq::commands::ConnectionId, 1366
activemq::commands::ConnectionInfo, 1395
activemq::commands::ConsumerControl, 1443
activemq::commands::ConsumerId, 1474
activemq::commands::ConsumerInfo, 1504
activemq::commands::ControlCommand, 1537
activemq::commands::DataArrayResponse, 1573
activemq::commands::DataResponse, 1633
activemq::commands::DataStructure, 1714
activemq::commands::DestinationInfo, 1781
activemq::commands::DiscoveryEvent, 1813
activemq::commands::ExceptionResponse, 1896
activemq::commands::FlushCommand, 2000
activemq::commands::IntegerResponse, 2161
activemq::commands::JournalQueueAck, 2225
activemq::commands::JournalTopicAck, 2253
activemq::commands::JournalTrace, 2282
activemq::commands::JournalTransaction, 2309
activemq::commands::KeepAliveInfo, 2336
activemq::commands::LastPartialCommand, 2372
activemq::commands::LocalTransactionId, 2422
activemq::commands::Message, 2601
activemq::commands::MessageAck, 2644
activemq::commands::MessageDispatch, 2680
activemq::commands::MessageDispatchNotification, 2717
activemq::commands::MessageId, 2752
activemq::commands::MessagePull, 2825
activemq::commands::NetworkBridgeFilter, 2878
activemq::commands::PartialCommand, 3003
activemq::commands::ProducerAck, 3126
activemq::commands::ProducerId, 3158
activemq::commands::ProducerInfo, 3187
activemq::commands::RemoveInfo, 3285
activemq::commands::RemoveSubscriptionInfo, 3315
activemq::commands::ReplayCommand, 3345
activemq::commands::Response, 3380
activemq::commands::SessionId, 3478
activemq::commands::SessionInfo, 3506
activemq::commands::ShutdownInfo, 3574
activemq::commands::SubscriptionInfo, 3783
activemq::commands::TransactionId, 3933
activemq::commands::TransactionInfo, 3961
activemq::commands::WireFormatInfo, 4097
activemq::commands::XATransactionId, 4144
activemq::cmsutil::CachedConsumer, 1099
activemq::cmsutil::CachedProducer, 1103
activemq::cmsutil::PooledSession, 3045
activemq::commands::ActiveMQTempDestination, 580
activemq::commands::ConnectionControl, 1306
activemq::commands::ConsumerControl, 1446
activemq::core::ActiveMQConnection, 267
activemq::core::ActiveMQConsumer, 304
activemq::core::ActiveMQProducer, 468
activemq::core::ActiveMQQueueBrowser, 484
activemq::core::ActiveMQSession, 518
activemq::core::ActiveMQSessionExecutor, 533
activemq::core::MessageDispatchChannel, 2685
activemq::transport::correlator::ResponseCorrelator, 3386

activemq::transport::failover::FailoverTransport, 1933
activemq::transport::inactivity::InactivityMonitor, 2067
activemq::transport::IOTransport, 2215
activemq::transport::mock::MockTransport, 2857
activemq::transport::tcp::TcpTransport, 3867
activemq::transport::TransportFilter, 4007
activemq::wireformat::openwire::OpenWireFormatNegotiator, 2987
cms::Closeable, 1180
cms::Connection, 1298
cms::Session, 3464
decaf::internal::io::StandardErrorOutputStream, 3687
decaf::internal::io::StandardOutputStream, 3690
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2946
decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream, 2968
decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream, 2970
decaf::internal::net::tcp::TcpSocket, 3855
decaf::internal::net::tcp::TcpSocketInputStream, 3862
decaf::internal::net::tcp::TcpSocketOutputStream, 3864
decaf::io::BlockingByteArrayInputStream, 847
decaf::io::BufferedInputStream, 946
decaf::io::Closeable, 1181
decaf::io::FilterInputStream, 1954
decaf::io::FilterOutputStream, 1959
decaf::io::InputStream, 2108
decaf::io::InputStreamReader, 2118
decaf::io::OutputStream, 2993
decaf::io::OutputStreamWriter, 3001
decaf::net::ServerSocket, 3453
decaf::net::Socket, 3614
decaf::net::SocketImpl, 3639
decaf::util::logging::ConsoleHandler, 1440
decaf::util::logging::StreamHandler, 3758
decaf::util::zip::DeflaterOutputStream, 1772
decaf::util::zip::InflaterInputStream, 2102
CLOSE_FAILURE
decaf::util::logging::ErrorManager, 1885
closed
decaf::io::FilterInputStream, 1957
decaf::io::FilterOutputStream, 1961
CloseTransportsTask
activemq::transport::failover::CloseTransportsTask, 1182
cluster
activemq::commands::Message, 2613
cms, 131
WireConfigNegotiator, CMS_API, 4275
cms::BytesMessage, 1079
~BytesMessage, 1083
clone, 1083
getBodyBytes, 1083
getBodyLength, 1084
readBoolean, 1084
readByte, 1084
readBytes, 1085, 1086
readChar, 1087
readDouble, 1087
readFloat, 1087
readInt, 1088
readLong, 1088
readShort, 1089
readString, 1089
readUnsignedShort, 1090
readUTF, 1090
reset, 1091
setBodyBytes, 1091
writeBoolean, 1092
writeByte, 1092
writeBytes, 1093
writeChar, 1093
writeDouble, 1094
writeFloat, 1094
writeInt, 1095
writeLong, 1095
writeShort, 1095
writeString, 1096
writeUnsignedShort, 1096
writeUTF, 1097
cms::Closeable, 1179
~Closeable, 1180
close, 1180
cms::CMSException, 1190
~CMSException, 1192
CMSException, 1192
getCause, 1192

getMessage, 1192
getStackTrace, 1193
getStackTraceString, 1193
printStackTrace, 1193
setMark, 1193
what, 1194
cms::CMSProperties, 1195
~CMSProperties, 1197
clear, 1197
clone, 1197
copy, 1197
getProperty, 1197
hasProperty, 1198
isEmpty, 1198
remove, 1198
setProperty, 1199
toArray, 1199
toString, 1199
cms::CMSSecurityException, 1199
~CMSSecurityException, 1200
CMSSecurityException, 1200
cms::Connection, 1296
~Connection, 1298
close, 1298
createSession, 1298
getClientID, 1299
getExceptionListener, 1299
getMetaData, 1299
setClientID, 1300
setExceptionListener, 1300
cms::ConnectionFactory, 1361
~ConnectionFactory, 1362
createCMSConnectionFactory, 1362
createConnection, 1363, 1364
cms::ConnectionMetaData, 1425
~ConnectionMetaData, 1426
getCMSMajorVersion, 1426
getCMSMinorVersion, 1427
getCMSProviderName, 1427
getCMSVersion, 1427
getCMSXPropertyNames, 1428
getProviderMajorVersion, 1428
getProviderMinorVersion, 1428
getProviderVersion, 1429
cms::DeliveryMode, 1775
~DeliveryMode, 1776
DELIVERY_MODE, 1776
NON_PERSISTENT, 1776
PERSISTENT, 1776
cms::Destination, 1776
~Destination, 1778
clone, 1778
copy, 1778
DestinationType, 1777
getCMSProperties, 1778
getDestinationType, 1778
QUEUE, 1777
TEMPORARY_QUEUE, 1777
TEMPORARY_TOPIC, 1777
TOPIC, 1777
cms::ExceptionListener, 1893
~ExceptionListener, 1894
onException, 1894
cms::IllegalStateException, 2059
~IllegalStateException, 2060
IllegalStateException, 2060
cms::InvalidClientIdException, 2199
~InvalidClientIdException, 2200
InvalidClientIdException, 2200
cms::InvalidDestinationException, 2200
~InvalidDestinationException, 2201
InvalidDestinationException, 2201
cms::InvalidSelectorException, 2206
~InvalidSelectorException, 2207
InvalidSelectorException, 2207
cms::MapMessage, 2551
~MapMessage, 2554
getBoolean, 2554
getByte, 2554
getBytes, 2555
getChar, 2555
getDouble, 2555
getFloat, 2556
getInt, 2556
getLong, 2557
getMapNames, 2557
getShort, 2557
getString, 2558
itemExists, 2558
setBoolean, 2558
setByte, 2559
setBytes, 2559
setChar, 2560
setDouble, 2560
setFloat, 2561
setInt, 2561
setLong, 2561
setShort, 2562
setString, 2562
cms::Message, 2614

~Message, 2619
acknowledge, 2619
clearBody, 2619
clearProperties, 2620
clone, 2620
getBooleanProperty, 2620
getByteProperty, 2621
getCMSCorrelationID, 2622
getCMSDeliveryMode, 2622
getCMSDestination, 2623
getCMSExpiration, 2623
getCMSMessageID, 2624
getCMSPriority, 2625
getCMSRedelivered, 2625
getCMSReplyTo, 2626
getCMSTimestamp, 2626
getCMSType, 2627
getDoubleProperty, 2628
getFloatProperty, 2628
getIntProperty, 2629
getLongProperty, 2629
getPropertyNames, 2630
getShortProperty, 2630
getStringProperty, 2631
propertyExists, 2632
setBooleanProperty, 2632
setByteProperty, 2633
setCMSCorrelationID, 2633
setCMSDeliveryMode, 2634
setCMSDestination, 2635
setCMSExpiration, 2635
setCMSMessageID, 2636
setCMSPriority, 2636
setCMSRedelivered, 2637
setCMSReplyTo, 2637
setCMSTimestamp, 2638
setCMSType, 2638
setDoubleProperty, 2639
setFloatProperty, 2640
setIntProperty, 2640
setLongProperty, 2641
setShortProperty, 2641
setStringProperty, 2642
cms::MessageConsumer, 2674
~MessageConsumer, 2675
getMessageListener, 2675
getMessageSelector, 2675
receive, 2676
receiveNoWait, 2677
setMessageListener, 2677
cms::MessageEnumeration, 2746
~MessageEnumeration, 2747
hasMoreMessages, 2747
nextMessage, 2747
cms::MessageEOFException, 2747
~MessageEOFException, 2748
MessageEOFException, 2748
cms::MessageFormatException, 2749
~MessageFormatException, 2750
MessageFormatException, 2750
cms::MessageListener, 2779
~MessageListener, 2780
onMessage, 2780
cms::MessageNotReadableException, 2807
~MessageNotReadableException, 2808
MessageNotReadableException, 2808
cms::MessageNotWriteableException, 2808
~MessageNotWriteableException, 2809
MessageNotWriteableException, 2809
cms::MessageProducer, 2809
~MessageProducer, 2811
getDeliveryMode, 2811
getDisableMessageID, 2811
getDisableMessageTimeStamp, 2812
getPriority, 2812
getTimeToLive, 2813
send, 2813–2815
setDeliveryMode, 2816
setDisableMessageID, 2816
setDisableMessageTimeStamp, 2816
setPriority, 2817
setTimeToLive, 2817
cms::ObjectMessage, 2924
~ObjectMessage, 2924
cms::Queue, 3238
~Queue, 3239
getQueueName, 3239
cms::QueueBrowser, 3243
~QueueBrowser, 3244
getEnumeration, 3244
getMessageSelector, 3244
getQueue, 3245
cms::Session, 3460
~Session, 3464
AcknowledgeMode, 3464
AUTO_ACKNOWLEDGE, 3464
CLIENT_ACKNOWLEDGE, 3464
close, 3464
commit, 3465
createBrowser, 3465, 3466

createBytesMessage, 3466
createConsumer, 3467, 3468
createDurableConsumer, 3469
createMapMessage, 3469
createMessage, 3470
createProducer, 3470
createQueue, 3470
createStreamMessage, 3471
createTemporaryQueue, 3471
createTemporaryTopic, 3471
createTextMessage, 3472
createTopic, 3472
DUPS_OK_ACKNOWLEDGE, 3464
getAcknowledgeMode, 3473
INDIVIDUAL_ACKNOWLEDGE, 3464
isTransacted, 3473
recover, 3473
rollback, 3474
SESSION_TRANSACTED, 3464
unsubscribe, 3474
cms::Startable, 3691
~Startable, 3692
start, 3692
cms::Stoppable, 3755
~Stoppable, 3756
stop, 3756
cms::StreamMessage, 3760
~StreamMessage, 3763
readBoolean, 3763
readByte, 3763
readBytes, 3764, 3765
readChar, 3766
readDouble, 3766
readFloat, 3767
readInt, 3767
readLong, 3768
readShort, 3768
readString, 3769
readUnsignedShort, 3770
writeBoolean, 3770
writeByte, 3771
writeBytes, 3771
writeChar, 3772
writeDouble, 3772
writeFloat, 3773
writeInt, 3773
writeLong, 3773
writeShort, 3774
writeString, 3774
writeUnsignedShort, 3775
cms::TemporaryQueue, 3871
~TemporaryQueue, 3872
destroy, 3872
getQueueName, 3872
cms::TemporaryTopic, 3873
~TemporaryTopic, 3873
destroy, 3873
getTopicName, 3874
cms::TextMessage, 3874
~TextMessage, 3875
getText, 3875
setText, 3875, 3876
cms::Topic, 3930
~Topic, 3931
getTopicName, 3931
cms::UnsupportedOperationException, 4030
~UnsupportedOperationException, 4031
UnsupportedOperationException, 4031
CMS_API
cms/Config.h, 4275
CmsAccessor
activemq::cmsutil::CmsAccessor, 1185
CmsDestinationAccessor
activemq::cmsutil::CmsDestinationAccessor, 1189
CMSException
cms::CMSException, 1192
CMSExceptionSupport.h
AMQ_CATCH_ALL_THROW_CMSEXCEPTION, 4273
CMSSecurityException
cms::CMSSecurityException, 1200
CmsTemplate
activemq::cmsutil::CmsTemplate, 1205
Code
deflate.h, 4623
code, 1215
bits, 1216
ct_data_s, 1571
op, 1216
val, 1216
CODELENS
inflate.h, 4627
CODES
inftrees.h, 4628
codes
inflate_state, 2087
codetype
inftrees.h, 4628
comm_max

gz_header_s, 2039
command
activemq::commands::ControlCommand, 1539
commandId
activemq::commands::PartialCommand, 3005
COMMENT
inflate.h, 4627
comment
gz_header_s, 2039
COMMENT_STATE
deflate.h, 4623
COMMIT
activemq::wireformat::stomp::StompCommandConstants, 3740
commit
activemq::cmsutil::PooledSession, 3045
activemq::core::ActiveMQConsumer, 305
activemq::core::ActiveMQSession, 518
activemq::core::ActiveMQTransactionContext, 728
cms::Session, 3465
compact
decaf::internal::nio::ByteArrayBuffer, 1023
decaf::internal::nio::CharArrayBuffer, 1143
decaf::internal::nio::DoubleArrayBuffer, 1861
decaf::internal::nio::FloatArrayBuffer, 1981
decaf::internal::nio::IntArrayBuffer, 2126
decaf::internal::nio::LongArrayBuffer, 2518
decaf::internal::nio::ShortArrayBuffer, 3556
decaf::nio::ByteBuffer, 1060
decaf::nio::CharBuffer, 1156
decaf::nio::DoubleBuffer, 1870
decaf::nio::FloatBuffer, 1990
decaf::nio::IntBuffer, 2135
decaf::nio::LongBuffer, 2527
decaf::nio::ShortBuffer, 3565
COMPARATOR
activemq::commands::BrokerId, 876
activemq::commands::ConnectionId, 1366
activemq::commands::ConsumerId, 1474
activemq::commands::LocalTransactionId, 2421
activemq::commands::MessageId, 2752
activemq::commands::ProducerId, 3158
activemq::commands::SessionId, 3478
activemq::commands::TransactionId, 3933
activemq::commands::XATransactionId, 4144
comparator
decaf::util::PriorityQueue, 3120
compare
activemq::util::IdGenerator, 2053
decaf::lang::ArrayPointerComparator, 745
decaf::lang::Double, 1844
decaf::lang::Float, 1965
decaf::lang::PointerComparator, 3041
decaf::util::Comparator, 1252
decaf::util::comparators::Less, 2400
compareAndSet
decaf::util::concurrent::atomic::AtomicBoolean, 747
decaf::util::concurrent::atomic::AtomicInteger, 750
decaf::util::concurrent::atomic::AtomicReference, 757
compareTo
activemq::commands::BrokerId, 876
activemq::commands::ConnectionId, 1366
activemq::commands::ConsumerId, 1474
activemq::commands::LocalTransactionId, 2422
activemq::commands::MessageId, 2752
activemq::commands::ProducerId, 3159
activemq::commands::SessionId, 3478
activemq::commands::TransactionId, 3934
activemq::commands::XATransactionId, 4145
decaf::lang::Boolean, 857, 858
decaf::lang::Byte, 972
decaf::lang::Character, 1129
decaf::lang::Comparable, 1249
decaf::lang::Double, 1844, 1845
decaf::lang::Float, 1965
decaf::lang::Integer, 2147
decaf::lang::Long, 2499
decaf::lang::Short, 3541, 3542

decaf::net::URI, 4036
decaf::nio::ByteBuffer, 1060
decaf::nio::CharBuffer, 1156
decaf::nio::DoubleBuffer, 1870
decaf::nio::FloatBuffer, 1990
decaf::nio::IntBuffer, 2135
decaf::nio::LongBuffer, 2527
decaf::nio::ShortBuffer, 3565
decaf::util::concurrent::TimeUnit, 3922
decaf::util::Date, 1721
decaf::util::logging::Level, 2406
decaf::util::UUID, 4083
COMPOSITE_SEPARATOR
activemq::commands::ActiveMQDestination, 322
CompositeData
activemq::util::CompositeData, 1254
CompositeTaskRunner
activemq::threads::CompositeTaskRunner, 1257
compressed
activemq::commands::Message, 2613
Concurrent.h
synchronized, 4713
WAIT_INFINITE, 4713
ConcurrentStlMap
decaf::util::concurrent::ConcurrentStlMap, 1269, 1270
condition
decaf::util::concurrent::ConditionHandle, 1291
ConditionHandle
decaf::util::concurrent::ConditionHandle, 1291
CONFIG
decaf::util::logging::Level, 2407
config
decaf::util::logging::Logger, 2465
configure
activemq::core::PrefetchPolicy, 3064
activemq::core::RedeliveryPolicy, 3269
activemq::wireformat::openwire::marshal::v1::MarshallerFactory, 2570
activemq::wireformat::openwire::marshal::v2::MarshallerFactory, 2571
activemq::wireformat::openwire::marshal::v3::MarshallerFactory, 2568
activemq::wireformat::openwire::marshal::v4::MarshallerFactory, 2569
activemq::wireformat::openwire::marshal::v5::MarshallerFactory, 2569
activemq::wireformat::openwire::marshal::v6::MarshallerFactory, 2567
configureSocket
activemq::transport::tcp::SslTransport, 3683
activemq::transport::tcp::TcpTransport, 3867
CONNECT
activemq::wireformat::stomp::StompCommandConstants, 3740
connect
activemq::transport::tcp::TcpTransport, 3867
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2947
decaf::internal::net::tcp::TcpSocket, 3855
decaf::net::Socket, 3614, 3615
decaf::net::SocketImpl, 3639
CONNECTED
activemq::wireformat::stomp::StompCommandConstants, 3740
connectedBrokers
activemq::commands::ConnectionControl, 1306
ConnectException
decaf::net::ConnectException, 1294, 1295
connection
activemq::commands::ActiveMQTempDestination, 582
activemq::commands::Message, 2613
CONNECTION_ADVISORY_PREFIX
activemq::commands::ActiveMQDestination, 322
CONNECTION_ALWAYSSYNCSEND
activemq::core::ActiveMQConstants, 299
CONNECTION_CLOSETIMEOUT
activemq::core::ActiveMQConstants, 299
CONNECTION_DISPATCHASYNC
activemq::core::ActiveMQConstants, 300
CONNECTION_PRODUCERWINDOWSIZE
activemq::core::ActiveMQConstants, 299
CONNECTION_SENDTIMEOUT

activemq::core::ActiveMQConstants, 299
CONNECTION_USEASYNCSEND
activemq::core::ActiveMQConstants, 299
CONNECTION_USECOMPRESSION
activemq::core::ActiveMQConstants, 299
ConnectionControl
activemq::commands::ConnectionControl, 1303
ConnectionControlMarshaller
activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller, 1316
activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller, 1329
activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller, 1308
activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller, 1312
activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller, 1321
activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller, 1325
ConnectionError
activemq::commands::ConnectionError, 1333
ConnectionErrorMarshaller
activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller, 1350
activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller, 1337
activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller, 1341
activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller, 1346
activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller, 1354
activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller, 1358
ConnectionId
activemq::commands::ConnectionId, 1366
connectionId
activemq::commands::BrokerInfo, 910
activemq::commands::ConnectionError, 1336
activemq::commands::ConnectionInfo, 1399
activemq::commands::ConsumerId, 1476
activemq::commands::DestinationInfo, 1784
activemq::commands::LocalTransactionId, 2424
activemq::commands::ProducerId, 3161
activemq::commands::RemoveSubscriptionInfo, 3318
activemq::commands::SessionId, 3480
activemq::commands::TransactionInfo, 3964
ConnectionIdMarshaller
activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller, 382
activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller, 370
activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller, 374
activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller, 378
activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller, 386
activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller, 390
ConnectionInfo
activemq::commands::ConnectionInfo, 1395
ConnectionInfoMarshaller
activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller, 414
activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller, 401
activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller, 405
activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller, 409
activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller, 418
activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller, 422
connectionInterruptProcessingComplete
activemq::state::ConnectionStateTracker, 1435
ConnectionState
activemq::state::ConnectionState, 1431
ConnectionStateTracker
activemq::state::ConnectionStateTracker, 1435
ConsoleHandler
decaf::util::logging::ConsoleHandler, 1440

const
zconf.h, 4632
ConstReferenceType
decaf::lang::ArrayPointer, 739
CONSUMER_ADVISORY_PREFIX
activemq::commands::ActiveMQDestination, 322
CONSUMER_DISPATCHASYNC
activemq::core::ActiveMQConstants, 299
CONSUMER_EXCLUSIVE
activemq::core::ActiveMQConstants, 299
CONSUMER_NOLOCAL
activemq::core::ActiveMQConstants, 299
CONSUMER_PREFECTCHSIZE
activemq::core::ActiveMQConstants, 299
CONSUMER_PRIORITY
activemq::core::ActiveMQConstants, 299
CONSUMER_RETROACTIVE
activemq::core::ActiveMQConstants, 299
CONSUMER_SELECTOR
activemq::core::ActiveMQConstants, 299
ConsumerControl
activemq::commands::ConsumerControl, 1443
ConsumerControlMarshaller
activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller, 1461
activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller, 1448
activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller, 1452
activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller, 1456
activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller, 1465
activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller, 1469
ConsumerId
activemq::commands::ConsumerId, 1474
consumerId
activemq::commands::ConsumerControl, 1446
activemq::commands::ConsumerInfo, 1509
activemq::commands::MessageAck, 2648
activemq::commands::MessageDispatch, 2683
activemq::commands::MessageDispatchNotification, 2720
activemq::commands::MessagePull, 2828
ConsumerIdMarshaller
activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller, 1490
activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller, 1478
activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller, 1482
activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller, 1486
activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller, 1494
activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller, 1498
ConsumerInfo
activemq::commands::ConsumerInfo, 1504
ConsumerInfoMarshaller
activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller, 1524
activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller, 1511
activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller, 1515
activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller, 1519
activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller, 1528
activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller, 1532
ConsumerState
activemq::state::ConsumerState, 1536
contains
decaf::util::AbstractCollection, 164
decaf::util::Collection, 1221
decaf::util::concurrent::SynchronousQueue, 3830
decaf::util::StlList, 3702
decaf::util::StlSet, 3735
containsAll
decaf::util::AbstractCollection, 165
decaf::util::Collection, 1221

decaf::util::concurrent::SynchronousQueue, 3830
containsKey
decaf::util::concurrent::ConcurrentStlMap, 1270
decaf::util::Map, 2541
decaf::util::StlMap, 3714
containsValue
decaf::util::concurrent::ConcurrentStlMap, 1271
decaf::util::Map, 2542
decaf::util::StlMap, 3714
content
activemq::commands::Message, 2613
ControlCommand
activemq::commands::ControlCommand, 1537
ControlCommandMarshaller
activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller, 1553
activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller, 1541
activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller, 1545
activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller, 1549
activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller, 1558
activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller, 1562
convert
activemq::util::PrimitiveValueConverter, 3099
decaf::util::concurrent::TimeUnit, 3923
convertConsumerId
activemq::wireformat::stomp::StompHelper, 3747, 3748
convertDestination
activemq::wireformat::stomp::StompHelper, 3748
convertMessageId
activemq::wireformat::stomp::StompHelper, 3748, 3749
convertProducerId
activemq::wireformat::stomp::StompHelper, 3749
convertProperties
activemq::wireformat::stomp::StompHelper, 3749, 3750
convertToCMSException
activemq::exceptions::ActiveMQException, 349
convertTransactionId
activemq::wireformat::stomp::StompHelper, 3750
COPY
gzguts.h, 4625
inflate.h, 4627
copy
activemq::commands::ActiveMQQueue, 481
activemq::commands::ActiveMQTempQueue, 608
activemq::commands::ActiveMQTempTopic, 638
activemq::commands::ActiveMQTopic, 699
activemq::util::ActiveMQProperties, 476
activemq::wireformat::stomp::StompFrame, 3743
cms::CMSProperties, 1197
cms::Destination, 1778
decaf::util::AbstractCollection, 165
decaf::util::concurrent::ConcurrentStlMap, 1271
decaf::util::Map, 2543
decaf::util::Properties, 3219
decaf::util::StlList, 3703
decaf::util::StlMap, 3714
decaf::util::StlSet, 3736
COPY_
inflate.h, 4627
copyDataStructure
activemq::commands::ActiveMQBlobMessage, 186
activemq::commands::ActiveMQBytesMessage, 219
activemq::commands::ActiveMQDestination, 315
activemq::commands::ActiveMQMapMessage, 354
activemq::commands::ActiveMQMessage, 391
activemq::commands::ActiveMQObjectMessage, 439
activemq::commands::ActiveMQQueue, 481
activemq::commands::ActiveMQStreamMessage, 539

activemq::commands::ActiveMQTempDestination, 580
activemq::commands::ActiveMQTempQueue, 609
activemq::commands::ActiveMQTempTopic, 638
activemq::commands::ActiveMQTextMessage, 669
activemq::commands::ActiveMQTopic, 699
activemq::commands::BaseCommand, 766
activemq::commands::BaseDataStructure, 839
activemq::commands::BooleanExpression, 862
activemq::commands::BrokerError, 870
activemq::commands::BrokerId, 876
activemq::commands::BrokerInfo, 904
activemq::commands::ConnectionControl, 1303
activemq::commands::ConnectionError, 1334
activemq::commands::ConnectionId, 1367
activemq::commands::ConnectionInfo, 1395
activemq::commands::ConsumerControl, 1443
activemq::commands::ConsumerId, 1474
activemq::commands::ConsumerInfo, 1504
activemq::commands::ControlCommand, 1537
activemq::commands::DataArrayResponse, 1573
activemq::commands::DataResponse, 1633
activemq::commands::DataStructure, 1715
activemq::commands::DestinationInfo, 1781
activemq::commands::DiscoveryEvent, 1813
activemq::commands::ExceptionResponse, 1896
activemq::commands::FlushCommand, 2000
activemq::commands::IntegerResponse, 2161
activemq::commands::JournalQueueAck, 2225
activemq::commands::JournalTopicAck, 2253
activemq::commands::JournalTrace, 2282
activemq::commands::JournalTransaction, 2309
activemq::commands::KeepAliveInfo, 2336
activemq::commands::LastPartialCommand, 2372
activemq::commands::LocalTransactionId, 2422
activemq::commands::Message, 2602
activemq::commands::MessageAck, 2644
activemq::commands::MessageDispatch, 2680
activemq::commands::MessageDispatchNotification, 2717
activemq::commands::MessageId, 2752
activemq::commands::MessagePull, 2825
activemq::commands::NetworkBridgeFilter, 2878
activemq::commands::PartialCommand, 3003
activemq::commands::ProducerAck, 3126
activemq::commands::ProducerId, 3159
activemq::commands::ProducerInfo, 3187
activemq::commands::RemoveInfo, 3285
activemq::commands::RemoveSubscriptionInfo, 3315
activemq::commands::ReplayCommand, 3345
activemq::commands::Response, 3380
activemq::commands::SessionId, 3478
activemq::commands::SessionInfo, 3506
activemq::commands::ShutdownInfo, 3574
activemq::commands::SubscriptionInfo, 3783
activemq::commands::TransactionId, 3934
activemq::commands::TransactionInfo, 3961
activemq::commands::WireFormatInfo, 4097
activemq::commands::XATransactionId, 4145
activemq::commands::Message, 2613

activemq::commands::MessagePull, 2828
activemq::commands::Response, 3382
countDown
decaf::util::concurrent::CountDownLatch, 1568
CountDownLatch
decaf::util::concurrent::CountDownLatch, 1566
CounterType
decaf::lang::ArrayPointer, 739
decaf::lang::Pointer, 3035
countTokens
decaf::util::StringTokenizer, 3780
CRC32
decaf::util::zip::CRC32, 1569
crc32.h
crc_table, 4620
crc_table
crc32.h, 4620
create
activemq::transport::failover::FailoverTransportFactory, 1944
activemq::transport::mock::MockTransportFactory, 2865
activemq::transport::tcp::TcpTransportFactory, 3870
activemq::transport::TransportFactory, 4003
activemq::util::CMSExceptionSupport, 1195
decaf::internal::net::tcp::TcpSocket, 3855
decaf::internal::util::concurrent::ConditionImpl, 1292
decaf::internal::util::concurrent::MutexImpl, 2873
decaf::net::SocketImpl, 3639
decaf::net::URI, 4036
createBrowser
activemq::cmsutil::PooledSession, 3045, 3046
activemq::core::ActiveMQSession, 518, 519
cms::Session, 3465, 3466
createByteBuffer
decaf::internal::nio::BufferFactory, 954, 955
createBytesMessage
activemq::cmsutil::PooledSession, 3046
activemq::core::ActiveMQSession, 519
cms::Session, 3466
createCachedConsumer
activemq::cmsutil::PooledSession, 3047
createCachedProducer
activemq::cmsutil::PooledSession, 3047
createCharBuffer
decaf::internal::nio::BufferFactory, 955, 956
createCMSConnectionFactory
cms::ConnectionFactory, 1362
createComposite
activemq::transport::failover::FailoverTransportFactory, 1944
activemq::transport::mock::MockTransportFactory, 2865
activemq::transport::tcp::TcpTransportFactory, 3870
activemq::transport::TransportFactory, 4004
createConnection
activemq::cmsutil::CmsAccessor, 1185
activemq::core::ActiveMQConnectionFactory, 285, 286
cms::ConnectionFactory, 1363, 1364
createConsumer
activemq::cmsutil::PooledSession, 3048, 3049
activemq::core::ActiveMQSession, 520, 521
cms::Session, 3467, 3468
createDestination
activemq::commands::ActiveMQDestination, 316
createDoubleBuffer
decaf::internal::nio::BufferFactory, 956, 957
createDurableConsumer
activemq::cmsutil::PooledSession, 3049
activemq::core::ActiveMQSession, 521
cms::Session, 3469
createFloatBuffer
decaf::internal::nio::BufferFactory, 958, 959
createIntBuffer
decaf::internal::nio::BufferFactory, 959, 960
createLongBuffer
decaf::internal::nio::BufferFactory, 961, 962
createMapMessage
activemq::cmsutil::PooledSession, 3050

activemq::core::ActiveMQSession, 521
cms::Session, 3469
createMessage
activemq::cmsutil::MessageCreator, 2678
activemq::cmsutil::PooledSession, 3050
activemq::core::ActiveMQSession, 522
cms::Session, 3470
createMessageEOFException
activemq::util::CMSExceptionSupport, 1195
createMessageFormatException
activemq::util::CMSExceptionSupport, 1195
createNegotiator
activemq::wireformat::openwire::OpenWireFormat, 2975
activemq::wireformat::stomp::StompWireFormat, 3752
activemq::wireformat::WireFormat, 4089
createObject
activemq::wireformat::openwire::marshal::DataStreamMarshaller, 1661
activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller, 195
activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller, 240
activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller, 370
activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller, 398
activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller, 446
activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller, 492
activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller, 558
activemq::wireformat::openwire::marshal::v1::ActiveMQTemporaryQueueMarshaller, 616
activemq::wireformat::openwire::marshal::v1::ActiveMQTemporaryTopicMarshaller, 651
activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller, 681
activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller, 711
activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller, 887
activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller, 920
activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller, 1316
activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller, 1350
activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller, 1382
activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller, 1414
activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller, 1461
activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller, 1490
activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller, 1524
activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller, 1553
activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller, 1589
activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller, 1657
activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller, 1798
activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller, 1832
activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller, 1920
activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller, 2020
activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller, 2181
activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller, 2249
activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller, 2278
activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller, 2301
activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller, 2332
activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller, 2361
activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller, 2396
activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller, 2447
activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller, 2667
activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller, 2709
activemq::wireformat::openwire::marshal::v1::MessageDispatchNotification, 2739
activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller, 2776

activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller, 2847
activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller, 2902
activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller, 3029
activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller, 3151
activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller, 3182
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller, 3200
activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller, 3302
activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller, 3319
activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller, 3352
activemq::wireformat::openwire::marshal::v2::ResponseMarshaller, 3410
activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller, 3502
activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller, 3518
activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller, 3586
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller, 3792
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller, 3969
activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller, 4122
activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller, 4161
activemq::wireformat::openwire::marshal::v2::ActiveMQBaseMessageMarshaller, 203
activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller, 257
activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller, 383
activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller, 411
activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller, 459
activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller, 505
activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller, 571
activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller, 629
activemq::wireformat::openwire::marshal::v2::ActiveMQTemporaryQueueMarshaller, 659
activemq::wireformat::openwire::marshal::v2::ActiveMQTemporaryTopicMarshaller, 694
activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller, 724
activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller, 899
activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller, 933
activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller, 1329
activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller, 1337
activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller, 1370
activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller, 1401
activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller, 1448
activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller, 1478
activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller, 1511
activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller, 1541
activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller, 1576
activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller, 1644
activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller, 1786
activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller, 1820
activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller, 1903
activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller, 2007
activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller, 2168
activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller, 2233
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller, 2262
activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller, 2285
activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller, 2316
activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller, 2344

activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller, 2383
activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller, 2430
activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller, 2654
activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller, 2692
activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller, 2726
activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller, 2756
activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller, 2830
activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller, 2882
activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller, 3011
activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller, 3130
activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller, 3162
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller, 3196
activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller, 3289
activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller, 3328
activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller, 3357
activemq::wireformat::openwire::marshal::v2::ResponseMarshaller, 3395
activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller, 3482
activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller, 3527
activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller, 3581
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller, 3808
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller, 3986
activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller, 4114
activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller, 4152
activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller, 191
activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller, 236
activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller, 366
activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller, 394
activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller, 442
activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller, 488
activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller, 554
activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller, 612
activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller, 642
activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller, 673
activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller, 702
activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller, 879
activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller, 912
activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller, 1308
activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller, 1341
activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller, 1374
activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller, 1405
activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller, 1452
activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller, 1482
activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller, 1515
activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller, 1545
activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller, 1580
activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller, 1649
activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller, 1790
activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller, 1824
activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller, 1907
activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller, 2011

activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller, 2172
activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller, 2241
activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller, 2266
activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller, 2289
activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller, 2320
activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller, 2348
activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller, 2379
activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller, 2434
activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller, 2658
activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller, 2696
activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller, 2730
activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller, 2768
activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller, 2838
activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller, 2894
activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller, 3020
activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller, 3138
activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller, 3170
activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller, 3208
activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller, 3297
activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller, 3323
activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller, 3361
activemq::wireformat::openwire::marshal::v3::ResponseMarshaller, 3405
activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller, 3498
activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller, 3522
activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller, 3594
activemq::wireformat::openwire::marshal::v3::SubscriptionInf 3788
activemq::wireformat::openwire::marshal::v3::TransactionInfo 3974
activemq::wireformat::openwire::marshal::v3::WireFormatInfo 4126
activemq::wireformat::openwire::marshal::v3::XATransaction 4165
activemq::wireformat::openwire::marshal::v4::ActiveMQBlob 199
activemq::wireformat::openwire::marshal::v4::ActiveMQByte 244
activemq::wireformat::openwire::marshal::v4::ActiveMQMap 374
activemq::wireformat::openwire::marshal::v4::ActiveMQMess 402
activemq::wireformat::openwire::marshal::v4::ActiveMQObje 450
activemq::wireformat::openwire::marshal::v4::ActiveMQQueu 496
activemq::wireformat::openwire::marshal::v4::ActiveMQStrea 563
activemq::wireformat::openwire::marshal::v4::ActiveMQTemp 621
activemq::wireformat::openwire::marshal::v4::ActiveMQTemp 646
activemq::wireformat::openwire::marshal::v4::ActiveMQText 677
activemq::wireformat::openwire::marshal::v4::ActiveMQTopi 707
activemq::wireformat::openwire::marshal::v4::BrokerIdMarsh 883
activemq::wireformat::openwire::marshal::v4::BrokerInfoMar 916
activemq::wireformat::openwire::marshal::v4::ConnectionCon 1312
activemq::wireformat::openwire::marshal::v4::ConnectionErro 1346
activemq::wireformat::openwire::marshal::v4::ConnectionIdM 1378
activemq::wireformat::openwire::marshal::v4::ConnectionInfo 1409
activemq::wireformat::openwire::marshal::v4::ConsumerCont 1456
activemq::wireformat::openwire::marshal::v4::ConsumerIdMa 1486
activemq::wireformat::openwire::marshal::v4::ConsumerInfoM 1519
activemq::wireformat::openwire::marshal::v4::ControlComma 1549

activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller, 1584
activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller, 1653
activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller, 1794
activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller, 1828
activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller, 1916
activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller, 2016
activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller, 2177
activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller, 2245
activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller, 2274
activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller, 2297
activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller, 2328
activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller, 2352
activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller, 2392
activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller, 2443
activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller, 2662
activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller, 2704
activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller, 2734
activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller, 2760
activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller, 2842
activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller, 2898
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller, 3025
activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller, 3134
activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller, 3166
activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller, 3191
activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller, 3310
activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMa 3340
activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller 3348
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller, 3390
activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller, 3486
activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller, 3531
activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller, 3598
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller, 3800
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller, 3982
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller, 4118
activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller 4157
activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMar 208
activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMa 249
activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMar 378
activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshall 407
activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageM 454
activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller 501
activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageM 567
activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarsl 625
activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarsh 655
activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMar 685
activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller, 715
activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller, 891
activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller, 924
activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshall 1321
activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller, 1354

activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller, 1386
activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller, 1418
activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller, 1465
activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller, 1494
activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller, 1528
activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller, 1558
activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller, 1593
activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller, 1636
activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller, 1807
activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller, 1836
activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller, 1912
activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller, 2024
activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller, 2185
activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller, 2237
activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller, 2258
activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller, 2305
activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller, 2324
activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller, 2356
activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller, 2388
activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller, 2439
activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller, 2671
activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller, 2700
activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller, 2743
activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller, 2764
activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller, 2834
activemq::wireformat::openwire::marshal::v5::NetworkBridge, 2890
activemq::wireformat::openwire::marshal::v5::PartialCommand, 3016
activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller, 3142
activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller, 3174
activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller, 3204
activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller, 3306
activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller, 3336
activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller, 3369
activemq::wireformat::openwire::marshal::v5::ResponseMarshaller, 3400
activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller, 3494
activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller, 3514
activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller, 3590
activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller, 3796
activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller, 3965
activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller, 4106
activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller, 4169
activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller, 212
activemq::wireformat::openwire::marshal::v6::ActiveMQByteMessageMarshaller, 253
activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller, 387
activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller, 415
activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller, 463
activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller, 509
activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller, 575
activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryQueueMarshaller, 633
activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryTopicMarshaller, 663

activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller, 690
activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller, 719
activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller, 895
activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller, 929
activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller, 1325
activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller, 1358
activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller, 1390
activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller, 1422
activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller, 1469
activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller, 1498
activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller, 1532
activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller, 1562
activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller, 1597
activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller, 1640
activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller, 1803
activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller, 1816
activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller, 1899
activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller, 2003
activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller, 2164
activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller, 2229
activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller, 2270
activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller, 2293
activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller, 2312
activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller, 2339
activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller, 2375
activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller, 2426
activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller, 2650
activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller, 2713
activemq::wireformat::openwire::marshal::v6::MessageDispatchNotification, 2722
activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller, 2772
activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller, 2851
activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller, 2886
activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller, 3007
activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller, 3147
activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller, 3178
activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller, 3213
activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller, 3293
activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller, 3332
activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller, 3365
activemq::wireformat::openwire::marshal::v6::ResponseMarshaller, 3415
activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller, 3490
activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller, 3510
activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller, 3577
activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller, 3804
activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller, 3978
activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller, 4110
activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller, 4148
activemq::cmsutil::PooledSession, 3051
activemq::KeepAliveInfoAdvisoryMDS, 522
cms::Session, 3470
activemq::util::URISupport, 4058

createQueue
activemq::cmsutil::PooledSession, 3051
activemq::core::ActiveMQSession, 522
cms::Session, 3470
createRemoveCommand
activemq::commands::ConnectionInfo, 1395
activemq::commands::ConsumerInfo, 1504
activemq::commands::ProducerInfo, 3187
activemq::commands::SessionInfo, 3506
createServerSocket
decaf::internal::net::DefaultServerSocketFactory, 1736–1738
decaf::internal::net::ssl::DefaultSSLServerSocketFactory, 1747, 1748
decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory, 2938, 2939
decaf::net::ServerSocketFactory, 3458, 3459
createSession
activemq::cmsutil::CmsAccessor, 1185
activemq::core::ActiveMQConnection, 267, 268
cms::Connection, 1298
createShortBuffer
decaf::internal::nio::BufferFactory, 962–964
createSocket
activemq::transport::tcp::SslTransport, 3683
activemq::transport::tcp::TcpTransport, 3868
decaf::internal::net::DefaultSocketFactory, 1741–1743
decaf::internal::net::ssl::DefaultSSLSocketFactory, 1753–1756
decaf::internal::net::ssl::openssl::OpenSSLSocketFactory, 2962–2965
decaf::net::SocketFactory, 3631–3633
decaf::net::ssl::SSLSocketFactory, 3680
createSocketImpl
decaf::net::SocketImplFactory, 3645
createStreamMessage
activemq::cmsutil::PooledSession, 3051
activemq::core::ActiveMQSession, 523
cms::Session, 3471
createTemporaryName
activemq::commands::ActiveMQDestination, 316
createTemporaryQueue
activemq::cmsutil::PooledSession, 3052
activemq::core::ActiveMQSession, 523
cms::Session, 3471
createTemporaryTopic
activemq::cmsutil::PooledSession, 3052
activemq::core::ActiveMQSession, 523
cms::Session, 3471
createTextMessage
activemq::cmsutil::PooledSession, 3052, 3053
activemq::core::ActiveMQSession, 523, 524
cms::Session, 3472
createTopic
activemq::cmsutil::PooledSession, 3053
activemq::core::ActiveMQSession, 524
cms::Session, 3472
createWireFormat
activemq::transport::AbstractTransportFactory, 183
activemq::wireformat::openwire::OpenWireFormatFactory, 2985
activemq::wireformat::stomp::StompWireFormatFactory, 3755
activemq::wireformat::WireFormatFactory, 4093
criticalSection
decaf::util::concurrent::ConditionHandle, 1291
ct_data
deflate.h, 4623
ct_data_s, 1571
code, 1571
dad, 1571
dl, 1571
fc, 1571
freq, 1571
len, 1571
CUNSUMER_MAXPENDINGMSGLIMIT
activemq::core::ActiveMQConstants, 299
currentThread
decaf::lang::Thread, 3881
currentTimeMillis
decaf::lang::System, 3843

d_buf
internal_state, 2191
d_code

deflate.h, 4623
D_CODES
deflate.h, 4623
d_desc
internal_state, 2191
Dad
deflate.h, 4623
dad
ct_data_s, 1571
data
activemq::commands::DataArrayResponse, 1574
activemq::commands::DataResponse, 1634
activemq::commands::PartialCommand, 3005
data_type
z_stream_s, 4175
DataArrayResponse
activemq::commands::DataArrayResponse, 1573
DataArrayResponseMarshaller
activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller, 1589
activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller, 1576
activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller, 1580
activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller, 1584
activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller, 1593
activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller, 1597
DataFormatException
decaf::util::zip::DataFormatException, 1601, 1602
DataInputStream
decaf::io::DataInputStream, 1615
DataOutputStream
decaf::io::DataOutputStream, 1629
DataResponse
activemq::commands::DataResponse, 1633
DataResponseMarshaller
activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller, 1657
activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller, 1644
activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller, 1649
activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller, 1653
activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller, 1636
activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller, 1640
dataStructure
activemq::commands::Message, 2613
Date
decaf::util::Date, 1720
DAYS
decaf::util::concurrent::TimeUnit, 3929
DEBUG
decaf::util::logging::Level, 2407
Debug
decaf::util::logging, 155
debug
decaf::util::logging::Logger, 2466
decaf::util::logging::SimpleLogger, 3606
decaf, 134
decaf/lang/exceptions/ExceptionDefines.h
DECAF_CATCH_EXCEPTION_CONVERT, 4241
DECAF_CATCH_NOTHROW, 4241
DECAF_CATCH_RETHROW, 4241
DECAF_CATCHALL_NOTHROW, 4242
DECAF_CATCHALL_THROW, 4242
decaf/util/Config.h
DECAF_API, 4275
DECAF_UNUSED, 4275
HAVE_PTHREAD_H, 4275
HAVE_UUID_H, 4275
HAVE_UUID_UUID_H, 4275
decaf::internal, 135
decaf::internal::AprPool, 735
~AprPool, 736
AprPool, 736
cleanup, 736
getAprPool, 736
getGlobalPool, 736
decaf::internal::DecafRuntime, 1723
~DecafRuntime, 1724
DecafRuntime, 1724
getGlobalPool, 1724
decaf::internal::io, 135
decaf::internal::io::StandardErrorOutputStream, 3686
~StandardErrorOutputStream, 3687

close, 3687
doWriteArrayBounded, 3687
doWriteByte, 3687
flush, 3688
StandardErrorOutputStream, 3687
decaf::internal::io::StandardInputStream, 3688
~StandardInputStream, 3689
available, 3689
doReadByte, 3689
StandardInputStream, 3689
decaf::internal::io::StandardOutputStream, 3689
~StandardOutputStream, 3690
close, 3690
doWriteArrayBounded, 3691
doWriteByte, 3691
flush, 3691
StandardOutputStream, 3690
decaf::internal::net, 135
decaf::internal::net::DefaultServerSocketFactory, 1735
~DefaultServerSocketFactory, 1736
createServerSocket, 1736–1738
DefaultServerSocketFactory, 1736
decaf::internal::net::DefaultSocketFactory, 1738
~DefaultSocketFactory, 1741
createSocket, 1741–1743
DefaultSocketFactory, 1741
decaf::internal::net::Network, 2874
~Network, 2876
addAsResource, 2876
addNetworkResource, 2876
getNetworkRuntime, 2876
getRuntimeLock, 2876
initializeNetworking, 2877
Network, 2876
shutdownNetworking, 2877
decaf::internal::net::SocketFileDescriptor, 3634
~SocketFileDescriptor, 3635
getValue, 3635
SocketFileDescriptor, 3635
decaf::internal::net::ssl, 136
decaf::internal::net::ssl::DefaultSSLContext, 1743
~DefaultSSLContext, 1744
DefaultSSLContext, 1744
getContext, 1744
decaf::internal::net::ssl::DefaultSSLServerSocketFactory, 1744
~DefaultSSLServerSocketFactory, 1747
createServerSocket, 1747, 1748
DefaultSSLServerSocketFactory, 1747
getDefaultCipherSuites, 1748
getSupportedCipherSuites, 1749
decaf::internal::net::ssl::DefaultSSLSocketFactory, 1749
~DefaultSSLSocketFactory, 1753
createSocket, 1753–1756
DefaultSSLSocketFactory, 1753
getDefaultCipherSuites, 1756
getSupportedCipherSuites, 1756
decaf::internal::net::ssl::openssl, 136
decaf::internal::net::ssl::openssl::OpenSSLContextSpi, 2924
~OpenSSLContextSpi, 2926
OpenSSLContextSpi, 2926
OpenSSLSocket, 2927
OpenSSLSocketFactory, 2927
providerGetServerSocketFactory, 2926
providerGetSocketFactory, 2926
providerInit, 2927
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2927
~OpenSSLParameters, 2928
clone, 2928
getEnabledCipherSuites, 2928
getEnabledProtocols, 2929
getNeedClientAuth, 2929
getSupportedCipherSuites, 2929
getSupportedProtocols, 2929
getUseClientMode, 2929
getWantClientAuth, 2929
setEnabledCipherSuites, 2929
setEnabledProtocols, 2929
setNeedClientAuth, 2929
setUseClientMode, 2929
setWantClientAuth, 2929
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2929
~OpenSSLServerSocket, 2932
accept, 2932
getEnabledCipherSuites, 2933
getEnabledProtocols, 2933
getNeedClientAuth, 2933
getSupportedCipherSuites, 2933
getSupportedProtocols, 2933
getWantClientAuth, 2934

OpenSSLServerSocket, 2932
setEnabledCipherSuites, 2934
setEnabledProtocols, 2934
setNeedClientAuth, 2935
setWantClientAuth, 2935
decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory, 2935
~OpenSSLServerSocketFactory, 2938
createServerSocket, 2938, 2939
getDefaultCipherSuites, 2939
getSupportedCipherSuites, 2940
OpenSSLServerSocketFactory, 2938
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2940
~OpenSSLSocket, 2946
available, 2946
close, 2946
connect, 2947
getEnabledCipherSuites, 2947
getEnabledProtocols, 2948
getInputStream, 2948
getNeedClientAuth, 2948
getOutputStream, 2949
getSupportedCipherSuites, 2949
getSupportedProtocols, 2949
getUseClientMode, 2950
getWantClientAuth, 2950
OpenSSLSocket, 2946
read, 2950
sendUrgentData, 2951
setEnabledCipherSuites, 2951
setEnabledProtocols, 2951
setNeedClientAuth, 2952
setOOBInline, 2952
setUseClientMode, 2952
setWantClientAuth, 2953
shutdownInput, 2953
shutdownOutput, 2953
startHandshake, 2954
write, 2954
decaf::internal::net::ssl::openssl::OpenSSLSocketException, 2955
~OpenSSLSocketException, 2958
clone, 2958
getErrorString, 2958
OpenSSLSocketException, 2956, 2957
decaf::internal::net::ssl::openssl::OpenSSLSocketFactory, 2959
~OpenSSLSocketFactory, 2962
createSocket, 2962–2965
getDefaultCipherSuites, 2965
getSupportedCipherSuites, 2965
OpenSSLSocketFactory, 2962
decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream, 2966
~OpenSSLSocketInputStream, 2967
available, 2967
close, 2968
doReadArrayBounded, 2968
doReadByte, 2968
OpenSSLSocketInputStream, 2967
skip, 2968
decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream, 2969
~OpenSSLSocketOutputStream, 2970
close, 2970
doWriteArrayBounded, 2970
doWriteByte, 2971
OpenSSLSocketOutputStream, 2970
decaf::internal::net::tcp, 137
decaf::internal::net::tcp::TcpSocket, 3850
~TcpSocket, 3854
accept, 3854
available, 3854
bind, 3854
checkResult, 3855
close, 3855
connect, 3855
create, 3855
getInputStream, 3856
getLocalAddress, 3856
getOption, 3856
getOutputStream, 3857
getSocketHandle, 3857
isClosed, 3857
isConnected, 3857
listen, 3857
read, 3858
setOption, 3858
shutdownInput, 3859
shutdownOutput, 3859
TcpSocket, 3854
write, 3859
decaf::internal::net::tcp::TcpSocketInputStream, 3860
~TcpSocketInputStream, 3861
available, 3861
close, 3862
doReadArrayBounded, 3862
doReadByte, 3862

skip, 3862
TcpSocketInputStream, 3861
decaf::internal::net::tcp::TcpSocketOutputStream, 3863
~TcpSocketOutputStream, 3864
close, 3864
doWriteArrayBounded, 3865
doWriteByte, 3865
TcpSocketOutputStream, 3864
decaf::internal::net::URIEncoderDecoder, 4044
~URIEncoderDecoder, 4045
decode, 4045
encodeOthers, 4045
quoteIllegal, 4045
URIEncoderDecoder, 4045
validate, 4046
validateSimple, 4046
decaf::internal::net::URIHelper, 4047
~URIHelper, 4049
isValidDomainName, 4049
isValidHexChar, 4049
isValidHost, 4049
isValidIP4Word, 4050
isValidIP6Address, 4050
isValidIPv4Address, 4050
parseAuthority, 4051
parseURI, 4051
URIHelper, 4048, 4049
validateAuthority, 4051
validateFragment, 4052
validatePath, 4052
validateQuery, 4052
validateScheme, 4053
validateSsp, 4053
validateUserinfo, 4053
decaf::internal::net::URIType, 4063
~URIType, 4066
getAuthority, 4066
getFragment, 4066
getHost, 4066
getPath, 4066
getPort, 4066
getQuery, 4067
getScheme, 4067
getSchemeSpecificPart, 4067
getSource, 4067
getUserInfo, 4067
isAbsolute, 4068
isOpaque, 4068
isServerAuthority, 4068
isValid, 4068
setAbsolute, 4068
setAuthority, 4069
setFragment, 4069
setHost, 4069
setOpaque, 4069
setPath, 4069
setPort, 4070
setQuery, 4070
setScheme, 4070
setSchemeSpecificPart, 4070
setServerAuthority, 4070
setSource, 4071
setUserInfo, 4071
setValid, 4071
URIType, 4066
decaf::internal::nio, 138
decaf::internal::nio::BufferFactory, 951
~BufferFactory, 954
createByteBuffer, 954, 955
createCharBuffer, 955, 956
createDoubleBuffer, 956, 957
createFloatBuffer, 958, 959
createIntBuffer, 959, 960
createLongBuffer, 961, 962
createShortBuffer, 962–964
decaf::internal::nio::ByteArrayBuffer, 1004
~ByteArrayBuffer, 1019
array, 1020
arrayOffset, 1020
asCharBuffer, 1021
asDoubleBuffer, 1021
asFloatBuffer, 1021
asIntBuffer, 1022
asLongBuffer, 1022
asReadOnlyBuffer, 1022
asShortBuffer, 1023
ByteArrayBuffer, 1018, 1019
compact, 1023
duplicate, 1024
get, 1024, 1025
getChar, 1025
getDouble, 1026
getFloat, 1027
getInt, 1027, 1028
getLong, 1028
getShort, 1029
hasArray, 1030
isReadOnly, 1030

put, 1030, 1031
putChar, 1031, 1032
putDouble, 1032, 1033
putFloat, 1033, 1034
putInt, 1034, 1035
putLong, 1035, 1036
putShort, 1036, 1037
setReadOnly, 1037
slice, 1037
decaf::internal::nio::CharArrayBuffer, 1135
~CharArrayBuffer, 1141
_array, 1148
array, 1141
arrayOffset, 1142
asReadOnlyBuffer, 1142
CharArrayBuffer, 1140, 1141
compact, 1143
duplicate, 1143
get, 1144
hasArray, 1144
isReadOnly, 1145
length, 1148
offset, 1148
put, 1145, 1146
readOnly, 1148
setReadOnly, 1146
slice, 1146
subSequence, 1147
decaf::internal::nio::DoubleArrayBuffer, 1853
~DoubleArrayBuffer, 1859
array, 1859
arrayOffset, 1860
asReadOnlyBuffer, 1860
compact, 1861
DoubleArrayBuffer, 1858, 1859
duplicate, 1861
get, 1862
hasArray, 1862
isReadOnly, 1863
put, 1863
setReadOnly, 1864
slice, 1864
decaf::internal::nio::FloatArrayBuffer, 1974
~FloatArrayBuffer, 1979
array, 1980
arrayOffset, 1980
asReadOnlyBuffer, 1981
compact, 1981
duplicate, 1981
FloatArrayBuffer, 1978, 1979
get, 1982
hasArray, 1983
isReadOnly, 1983
put, 1983, 1984
setReadOnly, 1984
slice, 1984
decaf::internal::nio::IntArrayBuffer, 2119
~IntArrayBuffer, 2125
array, 2125
arrayOffset, 2125
asReadOnlyBuffer, 2126
compact, 2126
duplicate, 2126
get, 2127
hasArray, 2128
IntArrayBuffer, 2123, 2124
isReadOnly, 2128
put, 2128, 2129
setReadOnly, 2129
slice, 2129
decaf::internal::nio::LongArrayBuffer, 2511
~LongArrayBuffer, 2516
array, 2517
arrayOffset, 2517
asReadOnlyBuffer, 2518
compact, 2518
duplicate, 2518
get, 2519
hasArray, 2520
isReadOnly, 2520
LongArrayBuffer, 2515, 2516
put, 2520, 2521
setReadOnly, 2521
slice, 2521
decaf::internal::nio::ShortArrayBuffer, 3548
~ShortArrayBuffer, 3554
array, 3554
arrayOffset, 3555
asReadOnlyBuffer, 3555
compact, 3556
duplicate, 3556
get, 3557
hasArray, 3557
isReadOnly, 3558
put, 3558
setReadOnly, 3559
ShortArrayBuffer, 3553, 3554
slice, 3559
decaf::internal::security, 138

decaf::internal::security::SecureRandomImpl, 3429
~SecureRandomImpl, 3430
providerGenerateSeed, 3430, 3431
providerNextBytes, 3431
providerSetSeed, 3432
SecureRandomImpl, 3430
decaf::internal::util, 138
decaf::internal::util::ByteArrayAdapter, 979
~ByteArrayAdapter, 987
ByteArrayAdapter, 984–987
clear, 988
get, 988
getByteArray, 988
getCapacity, 988
getChar, 988
getCharArray, 989
getCharCapacity, 989
getDouble, 989
getDoubleArray, 990
getDoubleAt, 990
getDoubleCapacity, 990
getFloat, 991
getFloatArray, 991
getFloatAt, 991
getFloatCapacity, 992
getInt, 992
getIntArray, 992
getIntAt, 993
getIntCapacity, 993
getLong, 993
getLongArray, 994
getLongAt, 994
getLongCapacity, 994
getShort, 994
getShortArray, 995
getShortAt, 995
getShortCapacity, 996
operator[], 996
put, 996
putChar, 997
putDouble, 997
putDoubleAt, 998
putFloat, 998
putFloatAt, 999
putInt, 999
putIntAt, 999
putLong, 1000
putLongAt, 1000
putShort, 1001
putShortAt, 1001
read, 1002
resize, 1002
write, 1003
decaf::internal::util::concurrent, 139
decaf::internal::util::concurrent::ConditionImpl, 1291
create, 1292
destroy, 1292
notify, 1292
notifyAll, 1292
wait, 1293
decaf::internal::util::concurrent::MutexImpl, 2872
create, 2873
destroy, 2873
lock, 2873
trylock, 2873
unlock, 2874
decaf::internal::util::concurrent::SynchronizableImpl, 3822
~SynchronizableImpl, 3823
lock, 3823
notify, 3823
notifyAll, 3823
SynchronizableImpl, 3823
tryLock, 3824
unlock, 3824
wait, 3824, 3825
decaf::internal::util::concurrent::Transferer, 3991
decaf::internal::util::concurrent::TransferQueue, 3992
~TransferQueue, 3993
transfer, 3993
TransferQueue, 3993
decaf::internal::util::concurrent::TransferStack, 3994
~TransferStack, 3995
transfer, 3995
TransferStack, 3995
decaf::internal::util::GenericResource, 2037
~GenericResource, 2038
GenericResource, 2038
getManaged, 2038
setManaged, 2038
decaf::internal::util::HexStringParser, 2046
~HexStringParser, 2047
HexStringParser, 2047
parse, 2047

parseDouble, 2047
parseFloat, 2047
decaf::internal::util::Resource, 3374
~Resource, 3375
decaf::internal::util::ResourceLifecycleManager, 3375
~ResourceLifecycleManager, 3376
addResource, 3376
destroyResources, 3376
ResourceLifecycleManager, 3376
decaf::internal::util::TimerTaskHeap, 3916
~TimerTaskHeap, 3918
adjustMinimum, 3918
decaf::util::TimerTask, 3916
deleteIfCancelled, 3918
find, 3918
insert, 3918
isEmpty, 3918
peek, 3919
remove, 3919
reset, 3919
size, 3919
TimerTaskHeap, 3918
decaf::io, 139
decaf::io::BlockingByteArrayInputStream, 845
~BlockingByteArrayInputStream, 846
available, 847
BlockingByteArrayInputStream, 846
close, 847
doReadArrayBounded, 847
doReadByte, 847
setByteArray, 847
skip, 848
decaf::io::BufferedInputStream, 943
~BufferedInputStream, 945
available, 946
BufferedInputStream, 945
close, 946
doReadArrayBounded, 946
doReadByte, 946
mark, 946
markSupported, 947
reset, 947
skip, 948
decaf::io::BufferedOutputStream, 949
~BufferedOutputStream, 950
BufferedOutputStream, 949, 950
doWriteArray, 950
doWriteArrayBounded, 950
doWriteByte, 950
flush, 950
decaf::io::ByteArrayInputStream, 1038
~ByteArrayInputStream, 1042
available, 1043
ByteArrayInputStream, 1041, 1042
doReadArrayBounded, 1043
doReadByte, 1043
mark, 1043
markSupported, 1044
reset, 1044
setByteArray, 1045
skip, 1046
decaf::io::ByteArrayOutputStream, 1046
~ByteArrayOutputStream, 1048
ByteArrayOutputStream, 1047
doWriteArrayBounded, 1048
doWriteByte, 1048
reset, 1048
size, 1048
toByteArray, 1049
toString, 1049
writeTo, 1049
decaf::io::Closeable, 1180
~Closeable, 1181
close, 1181
decaf::io::DataInput, 1603
~DataInput, 1605
readBoolean, 1605
readByte, 1605
readChar, 1606
readDouble, 1606
readFloat, 1606
readFully, 1607, 1608
readInt, 1608
readLine, 1609
readLong, 1609
readShort, 1610
readString, 1610
readUnsignedByte, 1610
readUnsignedShort, 1611
readUTF, 1611
skipBytes, 1612
decaf::io::DataInputStream, 1612
~DataInputStream, 1615
DataInputStream, 1615
readBoolean, 1615
readByte, 1615
readChar, 1615
readDouble, 1616

readFloat, 1616
readFully, 1617
readInt, 1618
readLine, 1618
readLong, 1619
readShort, 1619
readString, 1620
readUnsignedByte, 1620
readUnsignedShort, 1620
readUTF, 1621
skipBytes, 1621
decaf::io::DataOutput, 1622
~DataOutput, 1624
writeBoolean, 1624
writeByte, 1624
writeBytes, 1624
writeChar, 1625
writeChars, 1625
writeDouble, 1625
writeFloat, 1626
writeInt, 1626
writeLong, 1626
writeShort, 1627
writeUnsignedShort, 1627
writeUTF, 1627
decaf::io::DataOutputStream, 1628
~DataOutputStream, 1630
buffer, 1631
DataOutputStream, 1629
doWriteArrayBounded, 1630
doWriteByte, 1630
size, 1630
writeBoolean, 1630
writeByte, 1631
writeBytes, 1631
writeChar, 1631
writeChars, 1631
writeDouble, 1631
writeFloat, 1631
writeInt, 1631
writeLong, 1631
writeShort, 1631
writeUnsignedShort, 1631
writeUTF, 1631
written, 1631
decaf::io::EOFException, 1881
~EOFException, 1883
clone, 1883
EOFException, 1882, 1883
decaf::io::FileDescriptor, 1947
~FileDescriptor, 1948
descriptor, 1949
err, 1949
FileDescriptor, 1948
in, 1949
out, 1949
readonly, 1949
sync, 1948
valid, 1948
decaf::io::FilterInputStream, 1950
~FilterInputStream, 1953
available, 1953
close, 1954
closed, 1957
doReadArray, 1954
doReadArrayBounded, 1954
doReadByte, 1954
FilterInputStream, 1953
inputStream, 1957
isClosed, 1955
mark, 1955
markSupported, 1955
own, 1957
reset, 1955
skip, 1956
decaf::io::FilterOutputStream, 1957
~FilterOutputStream, 1959
close, 1959
closed, 1961
doWriteArray, 1959
doWriteArrayBounded, 1960
doWriteByte, 1960
FilterOutputStream, 1959
flush, 1960
isClosed, 1960
outputStream, 1961
own, 1961
toString, 1961
decaf::io::Flushable, 1998
~Flushable, 1998
flush, 1998
decaf::io::InputStream, 2105
~InputStream, 2107
available, 2107
close, 2108
doReadArray, 2108
doReadArrayBounded, 2108
doReadByte, 2108
InputStream, 2107
lock, 2109

mark, 2109
markSupported, 2109
notify, 2110
notifyAll, 2110
read, 2110–2112
reset, 2113
skip, 2113
toString, 2114
tryLock, 2114
unlock, 2114
wait, 2115, 2116
decaf::io::InputStreamReader, 2116
~InputStreamReader, 2118
checkClosed, 2118
close, 2118
doReadArrayBounded, 2118
InputStreamReader, 2117
ready, 2118
decaf::io::InterruptedIOException, 2196
~InterruptedIOException, 2198
clone, 2198
InterruptedIOException, 2197, 2198
decaf::io::IOException, 2210
~IOException, 2212
clone, 2212
IOException, 2211, 2212
decaf::io::OutputStream, 2991
~OutputStream, 2993
close, 2993
doWriteArray, 2993
doWriteArrayBounded, 2994
doWriteByte, 2994
flush, 2994
lock, 2994
notify, 2995
notifyAll, 2995
OutputStream, 2993
toString, 2995
tryLock, 2996
unlock, 2996
wait, 2996, 2997
write, 2998, 2999
decaf::io::OutputStreamWriter, 2999
~OutputStreamWriter, 3001
checkClosed, 3001
close, 3001
doWriteArrayBounded, 3001
flush, 3001
OutputStreamWriter, 3000
decaf::io::PushbackInputStream, 3231
~PushbackInputStream, 3234
available, 3234
doReadArrayBounded, 3235
doReadByte, 3235
mark, 3235
markSupported, 3235
PushbackInputStream, 3233, 3234
reset, 3236
skip, 3236
unread, 3237, 3238
decaf::io::Reader, 3254
~Reader, 3255
doReadArray, 3255
doReadArrayBounded, 3255
doReadChar, 3256
doReadCharBuffer, 3256
doReadVector, 3256
mark, 3256
markSupported, 3257
read, 3257–3259
Reader, 3255
ready, 3259
reset, 3260
skip, 3260
decaf::io::UnsupportedEncodingException, 4025
~UnsupportedEncodingException, 4027
clone, 4027
UnsupportedEncodingException, 4026, 4027
decaf::io::UTFDataFormatException, 4078
~UTFDataFormatException, 4080
clone, 4080
UTFDataFormatException, 4079, 4080
decaf::io::Writer, 4133
~Writer, 4135
append, 4135, 4136
doAppendChar, 4136
doAppendCharSequence, 4137
doAppendCharSequenceStartEnd, 4137
doWriteArray, 4137
doWriteArrayBounded, 4137
doWriteChar, 4137
doWriteString, 4137
doWriteStringBounded, 4137
doWriteVector, 4137
write, 4137–4139
Writer, 4135
decaf::lang, 141
operator==, 144

decaf::lang::Appendable, 733
~Appendable, 734
append, 734
decaf::lang::ArrayPointer, 736
~ArrayPointer, 740
ArrayPointer, 739, 740
clone, 740
ConstReferenceType, 739
CounterType, 739
get, 740
length, 741
operator=, 742
operator==, 742, 744
operator[], 742
PointerType, 739
ReferenceType, 739
release, 743
reset, 743
swap, 743
decaf::lang::ArrayPointerComparator, 744
compare, 745
operator(), 745
decaf::lang::Boolean, 856
~Boolean, 857
_FALSE, 861
_TRUE, 861
Boolean, 857
booleanValue, 857
compareTo, 857, 858
equals, 858
operator<, 858, 859
operator==, 859
parseBoolean, 860
toString, 860
valueOf, 860
decaf::lang::Byte, 969
~Byte, 972
Byte, 971
byteValue, 972
compareTo, 972
decode, 973
doubleValue, 973
equals, 973, 974
floatValue, 974
intValue, 974
longValue, 974
MAX_VALUE, 979
MIN_VALUE, 979
operator<, 974, 975
operator==, 975
parseByte, 976
shortValue, 977
SIZE, 979
toString, 977
valueOf, 977, 978
decaf::lang::Character, 1126
byteValue, 1129
Character, 1128
compareTo, 1129
digit, 1129
doubleValue, 1130
equals, 1130
floatValue, 1130
intValue, 1131
isDigit, 1131
isISOControl, 1131
isLetter, 1131
isLetterOrDigit, 1131
isLowerCase, 1131
isUpperCase, 1132
isWhitespace, 1132
longValue, 1132
MAX_RADIX, 1134
MAX_VALUE, 1134
MIN_RADIX, 1134
MIN_VALUE, 1134
operator<, 1132
operator==, 1133
shortValue, 1133
SIZE, 1135
toString, 1134
valueOf, 1134
decaf::lang::CharSequence, 1167
~CharSequence, 1168
charAt, 1168
length, 1168
subSequence, 1168
toString, 1169
decaf::lang::Comparable, 1248
~Comparable, 1249
compareTo, 1249
equals, 1249
operator<, 1250
operator==, 1250
decaf::lang::Double, 1841
~Double, 1844
byteValue, 1844
compare, 1844
compareTo, 1844, 1845
Double, 1844

doubleToLongBits, 1845
doubleToRawLongBits, 1846
doubleValue, 1846
equals, 1846, 1847
floatValue, 1847
intValue, 1847
isInfinite, 1847
isNaN, 1848
longBitsToDouble, 1848
longValue, 1848
MAX_VALUE, 1853
MIN_VALUE, 1853
NaN, 1853
NEGATIVE_INFINITY, 1853
operator<, 1849
operator==, 1849, 1850
parseDouble, 1850
POSITIVE_INFINITY, 1853
shortValue, 1850
SIZE, 1853
toHexString, 1851
toString, 1851
valueOf, 1852
decaf::lang::DYNAMIC_CAST_TOKEN, 1878
decaf::lang::Exception, 1886
~Exception, 1889
buildMessage, 1889
cause, 1893
clone, 1889
Exception, 1888, 1889
getCause, 1890
getMessage, 1890
getStackTrace, 1891
getStackTraceString, 1891
initCause, 1891
message, 1893
operator=, 1892
printStackTrace, 1892
setMark, 1892
setMessage, 1892
setStackTrace, 1893
stackTrace, 1893
what, 1893
decaf::lang::exceptions, 144
decaf::lang::exceptions::ClassCastException, 1177
~ClassCastException, 1179
ClassCastException, 1177, 1178
clone, 1179
decaf::lang::exceptions::IllegalArgumentException, 2054
~IllegalArgumentException, 2056
clone, 2056
IllegalArgumentException, 2055, 2056
decaf::lang::exceptions::IllegalMonitorStateException, 2056
~IllegalMonitorStateException, 2059
clone, 2059
IllegalMonitorStateException, 2057, 2058
decaf::lang::exceptions::IllegalStateException, 2060
~IllegalStateException, 2062
clone, 2062
IllegalStateException, 2061, 2062
decaf::lang::exceptions::IllegalThreadStateException, 2063
~IllegalThreadStateException, 2065
clone, 2065
IllegalThreadStateException, 2064, 2065
decaf::lang::exceptions::IndexOutOfBoundsException, 2069
~IndexOutOfBoundsException, 2071
clone, 2072
IndexOutOfBoundsException, 2070, 2071
decaf::lang::exceptions::InterruptedException, 2193
~InterruptedException, 2196
clone, 2196
InterruptedException, 2194, 2195
decaf::lang::exceptions::InvalidStateException, 2207
~InvalidStateException, 2210
clone, 2210
InvalidStateException, 2208, 2209
decaf::lang::exceptions::NoSuchElementException, 2910
~NoSuchElementException, 2912
clone, 2912
NoSuchElementException, 2911, 2912
decaf::lang::exceptions::NullPointerException, 2915
~NullPointerException, 2917
clone, 2918
NullPointerException, 2916, 2917
decaf::lang::exceptions::NumberFormatException, 2921
~NumberFormatException, 2923

clone, 2923
NumberFormatException, 2922, 2923
decaf::lang::exceptions::RuntimeException, 3421
~RuntimeException, 3423
clone, 3423
RuntimeException, 3422, 3423
decaf::lang::exceptions::UnsupportedOperationException, 4028
~UnsupportedOperationException, 4030
clone, 4030
UnsupportedOperationException, 4028, 4029
decaf::lang::Float, 1961
~Float, 1964
byteValue, 1964
compare, 1965
compareTo, 1965
doubleValue, 1965
equals, 1966
Float, 1964
floatToIntBits, 1966
floatToRawIntBits, 1967
floatValue, 1967
intBitsToFloat, 1967
intValue, 1968
isInfinite, 1968
isNaN, 1968
longValue, 1969
MAX_VALUE, 1973
MIN_VALUE, 1973
NaN, 1973
NEGATIVE_INFINITY, 1973
operator<, 1969
operator==, 1970
parseFloat, 1970
POSITIVE_INFINITY, 1973
shortValue, 1971
SIZE, 1973
toHexString, 1971
toString, 1971, 1972
valueOf, 1972, 1973
decaf::lang::Integer, 2143
~Integer, 2146
bitCount, 2147
byteValue, 2147
compareTo, 2147
decode, 2148
doubleValue, 2148
equals, 2149
floatValue, 2149
highestOneBit, 2149
Integer, 2146
intValue, 2150
longValue, 2150
lowestOneBit, 2150
MAX_VALUE, 2159
MIN_VALUE, 2159
numberOfLeadingZeros, 2150
numberOfTrailingZeros, 2151
operator<, 2151, 2152
operator==, 2152
parseInt, 2153
reverse, 2154
reverseBytes, 2154
rotateLeft, 2154
rotateRight, 2155
shortValue, 2155
signum, 2155
SIZE, 2159
toBinaryString, 2156
toHexString, 2156
toOctalString, 2156
toString, 2157, 2158
valueOf, 2158, 2159
decaf::lang::Iterable, 2220
~Iterable, 2221
iterator, 2221, 2222
decaf::lang::Long, 2495
~Long, 2498
bitCount, 2498
byteValue, 2499
compareTo, 2499
decode, 2499
doubleValue, 2500
equals, 2500
floatValue, 2501
highestOneBit, 2501
intValue, 2501
Long, 2498
longValue, 2501
lowestOneBit, 2502
MAX_VALUE, 2510
MIN_VALUE, 2510
numberOfLeadingZeros, 2502
numberOfTrailingZeros, 2503
operator<, 2503
operator==, 2504
parseLong, 2504, 2505
reverse, 2505

reverseBytes, 2505
rotateLeft, 2506
rotateRight, 2506
shortValue, 2507
signum, 2507
SIZE, 2510
toBinaryString, 2507
toHexString, 2508
toOctalString, 2508
toString, 2508, 2509
valueOf, 2509, 2510
decaf::lang::Math, 2575
~Math, 2578
abs, 2578, 2579
ceil, 2579
E, 2592
floor, 2580
Math, 2578
max, 2581, 2582
min, 2582–2584
PI, 2592
pow, 2585
random, 2585
round, 2586
signum, 2587
sqrt, 2588
toDegrees, 2591
toRadians, 2592
decaf::lang::Number, 2918
~Number, 2919
byteValue, 2919
doubleValue, 2919
floatValue, 2919
intValue, 2920
longValue, 2920
shortValue, 2920
decaf::lang::Pointer, 3032
~Pointer, 3036
CounterType, 3035
dynamicCast, 3037
get, 3037
operator*, 3037
operator->, 3038
operator=, 3038
operator==, 3039, 3040
Pointer, 3035, 3036
PointerType, 3035
ReferenceType, 3035
release, 3039
reset, 3039
staticCast, 3039
swap, 3040
decaf::lang::PointerComparator, 3040
compare, 3041
operator(), 3041
decaf::lang::Readable, 3251
~Readable, 3252
read, 3252
decaf::lang::Runnable, 3418
~Runnable, 3419
run, 3419
decaf::lang::Runtime, 3419
~Runtime, 3420
decaf::lang::System, 3846
decaf::lang::Thread, 3886
decaf::util::logging::LogManager, 2487
getRuntime, 3420
initializeRuntime, 3420
shutdownRuntime, 3421
decaf::lang::Short, 3538
~Short, 3541
byteValue, 3541
compareTo, 3541, 3542
decode, 3542
doubleValue, 3542
equals, 3543
floatValue, 3543
intValue, 3543
longValue, 3543
MAX_VALUE, 3548
MIN_VALUE, 3548
operator<, 3544
operator==, 3544, 3545
parseShort, 3545, 3546
reverseBytes, 3546
Short, 3541
shortValue, 3546
SIZE, 3548
toString, 3546, 3547
valueOf, 3547
decaf::lang::STATIC_CAST_TOKEN, 3692
decaf::lang::String, 3775
~String, 3777
charAt, 3777
isEmpty, 3777
length, 3778
String, 3777
subSequence, 3778
toString, 3778
decaf::lang::System, 3838

~System, 3840
arraycopy, 3840, 3841
availableProcessors, 3842
clearProperty, 3842
currentTimeMillis, 3843
decaf::lang::Runtime, 3846
getenv, 3843
getProperties, 3843
getProperty, 3844
nanoTime, 3845
setenv, 3845
setProperty, 3845
System, 3840
unsetenv, 3846
decaf::lang::Thread, 3876
~Thread, 3881
BLOCKED, 3880
currentThread, 3881
decaf::lang::Runtime, 3886
decaf::util::concurrent::locks::LockSupport, 3886
getId, 3881
getName, 3882
getPriority, 3882
getState, 3882
getUncaughtExceptionHandler, 3882
isAlive, 3882
join, 3883
MAX_PRIORITY, 3886
MIN_PRIORITY, 3886
NEW, 3880
NORM_PRIORITY, 3886
run, 3884
RUNNABLE, 3880
setName, 3884
setPriority, 3884
setUncaughtExceptionHandler, 3884
sleep, 3885
SLEEPING, 3880
start, 3885
State, 3880
TERMINATED, 3880
Thread, 3880, 3881
TIMED_WAITING, 3880
toString, 3886
WAITING, 3880
yield, 3886
decaf::lang::Thread::UncaughtExceptionHandler, 4018
~UncaughtExceptionHandler, 4019
uncaughtException, 4019
decaf::lang::ThreadGroup, 3888
~ThreadGroup, 3888
ThreadGroup, 3888
decaf::lang::Throwable, 3895
~Throwable, 3896
clone, 3896
getCause, 3897
getMessage, 3897
getStackTrace, 3897
getStackTraceString, 3898
initCause, 3898
printStackTrace, 3898
setMark, 3898
Throwable, 3896
decaf::net, 145
decaf::net::BindException, 842
~BindException, 844
BindException, 843, 844
clone, 844
decaf::net::ConnectException, 1293
~ConnectException, 1295
clone, 1296
ConnectException, 1294, 1295
decaf::net::HttpRetryException, 2049
~HttpRetryException, 2051
clone, 2051
HttpRetryException, 2050, 2051
decaf::net::Inet4Address, 2072
~Inet4Address, 2073
Inet4Address, 2073
InetAddress, 2076
isAnyLocalAddress, 2073
isLinkLocalAddress, 2074
isLoopbackAddress, 2074
isMCGlobal, 2074
isMCLinkLocal, 2074
isMCNodeLocal, 2074
isMCOrgLocal, 2075
isMCSiteLocal, 2075
isMulticastAddress, 2075
isSiteLocalAddress, 2075
decaf::net::Inet6Address, 2076
~Inet6Address, 2077
Inet6Address, 2077
InetAddress, 2077
decaf::net::InetAddress, 2077
~InetAddress, 2080
addressBytes, 2085
anyBytes, 2085

bytesToInt, 2080
getAddress, 2080
getAnyAddress, 2080
getByAddress, 2080, 2081
getHostAddress, 2081
getHostName, 2081
getLocalHost, 2082
getLoopbackAddress, 2082
hostname, 2085
InetAddress, 2080
isAnyLocalAddress, 2082
isLinkLocalAddress, 2082
isLoopbackAddress, 2082
isMCGlobal, 2083
isMCLinkLocal, 2083
isMCNodeLocal, 2083
isMCOrgLocal, 2083
isMCSiteLocal, 2084
isMulticastAddress, 2084
isSiteLocalAddress, 2084
loopbackBytes, 2085
reached, 2085
toString, 2084
decaf::net::InetSocketAddress, 2085
~InetSocketAddress, 2085
InetSocketAddress, 2085
decaf::net::MalformedURLException, 2536
~MalformedURLException, 2538
clone, 2538
MalformedURLException, 2537, 2538
decaf::net::NoRouteToHostException, 2905
~NoRouteToHostException, 2907
clone, 2907
NoRouteToHostException, 2905, 2906
decaf::net::PortUnreachableException, 3060
~PortUnreachableException, 3062
clone, 3062
PortUnreachableException, 3061, 3062
decaf::net::ProtocolException, 3228
~ProtocolException, 3230
clone, 3230
ProtocolException, 3229, 3230
decaf::net::ServerSocket, 3447
~ServerSocket, 3451
accept, 3451
bind, 3452
checkClosed, 3453
close, 3453
ensureCreated, 3453
getDefaultBacklog, 3453
getLocalPort, 3453
getReceiveBufferSize, 3453
getReuseAddress, 3454
getSoTimeout, 3454
implAccept, 3454
isBound, 3454
isClosed, 3455
ServerSocket, 3449–3451
setReceiveBufferSize, 3455
setReuseAddress, 3455
setSocketImplFactory, 3455
setSoTimeout, 3456
setupSocketImpl, 3456
toString, 3456
decaf::net::ServerSocketFactory, 3457
~ServerSocketFactory, 3458
createServerSocket, 3458, 3459
getDefault, 3460
ServerSocketFactory, 3458
decaf::net::Socket, 3607
~Socket, 3614
accepted, 3614
bind, 3614
checkClosed, 3614
close, 3614
connect, 3614, 3615
ensureCreated, 3615
getInetAddress, 3616
getInputStream, 3616
getKeepAlive, 3616
getLocalAddress, 3617
getLocalPort, 3617
getOOBInline, 3617
getOutputStream, 3617
getPort, 3618
getReceiveBufferSize, 3618
getReuseAddress, 3618
getSendBufferSize, 3618
getSoLinger, 3619
getSoTimeout, 3619
getTcpNoDelay, 3619
getTrafficClass, 3620
impl, 3625
initSocketImpl, 3620
isBound, 3620
isClosed, 3620
isConnected, 3620
isInputShutdown, 3620
isOutputShutdown, 3621
sendUrgentData, 3621

ServerSocket, 3625
setKeepAlive, 3621
setOOBInline, 3621
setReceiveBufferSize, 3622
setReuseAddress, 3622
setSendBufferSize, 3622
setSocketImplFactory, 3623
setSoLinger, 3623
setSoTimeout, 3623
setTcpNoDelay, 3624
setTrafficClass, 3624
shutdownInput, 3625
shutdownOutput, 3625
Socket, 3611–3613
toString, 3625
decaf::net::SocketAddress, 3626
~SocketAddress, 3626
decaf::net::SocketError, 3626
getErrorCode, 3627
getErrorString, 3627
decaf::net::SocketException, 3627
~SocketException, 3629
clone, 3629
SocketException, 3628
decaf::net::SocketFactory, 3629
~SocketFactory, 3631
createSocket, 3631–3633
getDefault, 3633
SocketFactory, 3631
decaf::net::SocketImpl, 3635
~SocketImpl, 3638
accept, 3638
address, 3644
available, 3638
bind, 3638
close, 3639
connect, 3639
create, 3639
fd, 3644
getFileDescriptor, 3640
getInetAddress, 3640
getInputStream, 3640
getLocalAddress, 3640
getLocalPort, 3641
getOption, 3641
getOutputStream, 3641
getPort, 3642
listen, 3642
localPort, 3644
port, 3644
sendUrgentData, 3642
setOption, 3642
shutdownInput, 3643
shutdownOutput, 3643
SocketImpl, 3638
supportsUrgentData, 3643
toString, 3644
decaf::net::SocketImplFactory, 3644
~SocketImplFactory, 3645
createSocketImpl, 3645
decaf::net::SocketOptions, 3645
~SocketOptions, 3647
SOCKET_OPTION_BINDADDR, 3647
SOCKET_OPTION_BROADCAST, 3647
SOCKET_OPTION_IP_MULTICAST_IF, 3647
SOCKET_OPTION_IP_MULTICAST_IF2, 3648
SOCKET_OPTION_IP_MULTICAST_LOOP, 3648
SOCKET_OPTION_IP_TOS, 3648
SOCKET_OPTION_KEEPALIVE, 3648
SOCKET_OPTION_LINGER, 3648
SOCKET_OPTION_OOBINLINE, 3649
SOCKET_OPTION_RCVBUF, 3649
SOCKET_OPTION_REUSEADDR, 3649
SOCKET_OPTION_SNDBUF, 3649
SOCKET_OPTION_TCP_NODELAY, 3650
SOCKET_OPTION_TIMEOUT, 3650
decaf::net::SocketTimeoutException, 3650
~SocketTimeoutException, 3652
clone, 3652
SocketTimeoutException, 3651, 3652
decaf::net::ssl, 146
decaf::net::ssl::SSLContext, 3653
~SSLContext, 3654
getDefault, 3654
getDefaultSSLParameters, 3654
getServerSocketFactory, 3654
getSocketFactory, 3654
getSupportedSSLParameters, 3655
setDefault, 3655
SSLContext, 3654
decaf::net::ssl::SSLContextSpi, 3655
~SSLContextSpi, 3656
providerGetDefaultSSLParameters, 3656
providerGetServerSocketFactory, 3657

providerGetSocketFactory, 3657
providerGetSupportedSSLParameters, 3658
providerInit, 3658
decaf::net::ssl::SSLParameters, 3658
~SSLParameters, 3660
getCipherSuites, 3660
getNeedClientAuth, 3660
getProtocols, 3660
getWantClientAuth, 3660
setCipherSuites, 3660
setNeedClientAuth, 3661
setProtocols, 3661
setWantClientAuth, 3661
SSLParameters, 3659, 3660
decaf::net::ssl::SSLServerSocket, 3662
~SSLServerSocket, 3665
getEnabledCipherSuites, 3665
getEnabledProtocols, 3665
getNeedClientAuth, 3665
getSupportedCipherSuites, 3665
getSupportedProtocols, 3666
getWantClientAuth, 3666
setEnabledCipherSuites, 3666
setEnabledProtocols, 3667
setNeedClientAuth, 3667
setWantClientAuth, 3667
SSLServerSocket, 3663, 3664
decaf::net::ssl::SSLServerSocketFactory, 3668
~SSLServerSocketFactory, 3669
getDefault, 3669
getDefaultCipherSuites, 3669
getSupportedCipherSuites, 3669
SSLServerSocketFactory, 3669
decaf::net::ssl::SSLSocket, 3670
~SSLSocket, 3674
getEnabledCipherSuites, 3674
getEnabledProtocols, 3674
getNeedClientAuth, 3675
getSSLParameters, 3675
getSupportedCipherSuites, 3675
getSupportedProtocols, 3675
getUseClientMode, 3676
getWantClientAuth, 3676
setEnabledCipherSuites, 3676
setEnabledProtocols, 3677
setNeedClientAuth, 3677
setSSLParameters, 3677
setUseClientMode, 3678
setWantClientAuth, 3678
SSLSocket, 3672, 3673
startHandshake, 3678
decaf::net::ssl::SSLSocketFactory, 3679
~SSLSocketFactory, 3680
createSocket, 3680
getDefault, 3681
getDefaultCipherSuites, 3681
getSupportedCipherSuites, 3681
SSLSocketFactory, 3680
decaf::net::UnknownHostException, 4019
~UnknownHostException, 4022
clone, 4022
UnknownHostException, 4020, 4021
decaf::net::UnknownServiceException, 4022
~UnknownServiceException, 4024
clone, 4024
UnknownServiceException, 4023, 4024
decaf::net::URI, 4031
~URI, 4036
compareTo, 4036
create, 4036
equals, 4037
getAuthority, 4037
getFragment, 4037
getHost, 4037
getPath, 4037
getPort, 4037
getQuery, 4037
getRawAuthority, 4037
getRawFragment, 4038
getRawPath, 4038
getRawQuery, 4038
getRawSchemeSpecificPart, 4038
getRawUserInfo, 4039
getScheme, 4039
getSchemeSpecificPart, 4039
getUserInfo, 4039
isAbsolute, 4039
isOpaque, 4040
normalize, 4040
operator<, 4040
operator==, 4041
parseServerAuthority, 4041
relativize, 4041
resolve, 4042
toString, 4043
toURL, 4043
URI, 4034, 4035
decaf::net::URISyntaxException, 4060
~URISyntaxException, 4063

clone, 4063
getIndex, 4063
getInput, 4063
getReason, 4063
URISyntaxException, 4061, 4062
decaf::net::URL, 4072
~URL, 4073
URL, 4073
decaf::net::URLDecoder, 4074
~URLDecoder, 4074
decode, 4074
decaf::net::URLEncoder, 4074
~URLEncoder, 4075
encode, 4075
decaf::nio, 147
decaf::nio::Buffer, 936
~Buffer, 939
_capacity, 942
_limit, 942
_mark, 942
_markSet, 942
_position, 942
Buffer, 939
capacity, 939
clear, 939
flip, 939
hasRemaining, 940
isReadOnly, 940
limit, 940
mark, 941
position, 941
remaining, 941
reset, 941
rewind, 942
decaf::nio::BufferOverflowException, 964
~BufferOverflowException, 966
BufferOverflowException, 965, 966
clone, 966
decaf::nio::BufferUnderflowException, 967
~BufferUnderflowException, 969
BufferUnderflowException, 967, 968
clone, 969
decaf::nio::ByteBuffer, 1049
~ByteBuffer, 1056
allocate, 1056
array, 1056
arrayOffset, 1057
asCharBuffer, 1057
asDoubleBuffer, 1057
asFloatBuffer, 1058
asIntBuffer, 1058
asLongBuffer, 1059
asReadOnlyBuffer, 1059
asShortBuffer, 1059
ByteBuffer, 1055
compact, 1060
compareTo, 1060
duplicate, 1060
equals, 1061
get, 1061, 1062
getChar, 1063
getDouble, 1063, 1064
getFloat, 1064, 1065
getInt, 1065
getLong, 1066
getShort, 1067
hasArray, 1067
isReadOnly, 1068
operator<, 1068
operator==, 1068
put, 1068–1071
putChar, 1071, 1072
putDouble, 1072, 1073
putFloat, 1073, 1074
putInt, 1074, 1075
putLong, 1075, 1076
putShort, 1076, 1077
slice, 1077
toString, 1078
wrap, 1078
decaf::nio::CharBuffer, 1148
~CharBuffer, 1152
allocate, 1152
append, 1152–1154
array, 1154
arrayOffset, 1155
asReadOnlyBuffer, 1155
charAt, 1155
CharBuffer, 1152
compact, 1156
compareTo, 1156
duplicate, 1157
equals, 1157
get, 1157, 1158
hasArray, 1159
length, 1159
operator<, 1159
operator==, 1160
put, 1160–1163
read, 1164

slice, 1164
subSequence, 1165
toString, 1165
wrap, 1166
decaf::nio::DoubleBuffer, 1865
~DoubleBuffer, 1868
allocate, 1868
array, 1868
arrayOffset, 1869
asReadOnlyBuffer, 1869
compact, 1870
compareTo, 1870
DoubleBuffer, 1868
duplicate, 1870
equals, 1871
get, 1871, 1872
hasArray, 1873
operator<, 1873
operator==, 1873
put, 1873–1875
slice, 1876
toString, 1876
wrap, 1877
decaf::nio::FloatBuffer, 1985
~FloatBuffer, 1988
allocate, 1988
array, 1988
arrayOffset, 1989
asReadOnlyBuffer, 1989
compact, 1990
compareTo, 1990
duplicate, 1991
equals, 1991
FloatBuffer, 1988
get, 1991, 1992
hasArray, 1993
operator<, 1993
operator==, 1993
put, 1993–1996
slice, 1996
toString, 1996
wrap, 1997
decaf::nio::IntBuffer, 2130
~IntBuffer, 2133
allocate, 2133
array, 2133
arrayOffset, 2134
asReadOnlyBuffer, 2134
compact, 2135
compareTo, 2135
duplicate, 2136
equals, 2136
get, 2136, 2137
hasArray, 2138
IntBuffer, 2133
operator<, 2138
operator==, 2138
put, 2138–2141
slice, 2141
toString, 2141
wrap, 2142
decaf::nio::InvalidMarkException, 2204
~InvalidMarkException, 2206
clone, 2206
InvalidMarkException, 2204, 2205
decaf::nio::LongBuffer, 2522
~LongBuffer, 2525
allocate, 2525
array, 2525
arrayOffset, 2526
asReadOnlyBuffer, 2526
compact, 2527
compareTo, 2527
duplicate, 2528
equals, 2528
get, 2528, 2529
hasArray, 2530
LongBuffer, 2525
operator<, 2530
operator==, 2530
put, 2530–2533
slice, 2533
toString, 2533
wrap, 2534
decaf::nio::ReadOnlyBufferException, 3260
~ReadOnlyBufferException, 3262
clone, 3263
ReadOnlyBufferException, 3261, 3262
decaf::nio::ShortBuffer, 3560
~ShortBuffer, 3563
allocate, 3563
array, 3563
arrayOffset, 3564
asReadOnlyBuffer, 3564
compact, 3565
compareTo, 3565
duplicate, 3565
equals, 3566
get, 3566, 3567
hasArray, 3568

operator<, 3568
operator==, 3568
put, 3568–3570
ShortBuffer, 3563
slice, 3571
toString, 3571
wrap, 3571, 3572
decaf::security, 147
decaf::security::auth, 148
decaf::security::auth::x500, 148
decaf::security::auth::x500::X500Principal, 4140
~X500Principal, 4140
getEncoded, 4140
getName, 4140
hashCode, 4140
decaf::security::cert, 148
decaf::security::cert::Certificate, 1112
~Certificate, 1113
equals, 1113
getEncoded, 1114
getPublicKey, 1114
getType, 1114
toString, 1114
verify, 1115
decaf::security::cert::CertificateEncodingException, 1116
~CertificateEncodingException, 1117
CertificateEncodingException, 1117
clone, 1118
decaf::security::cert::CertificateException, 1118
~CertificateException, 1119
CertificateException, 1119
clone, 1120
decaf::security::cert::CertificateExpiredException, 1120
~CertificateExpiredException, 1122
CertificateExpiredException, 1121
clone, 1122
decaf::security::cert::CertificateNotYetValidException, 1122
~CertificateNotYetValidException, 1124
CertificateNotYetValidException, 1123
clone, 1124
decaf::security::cert::CertificateParsingException, 1124
~CertificateParsingException, 1126
CertificateParsingException, 1125
clone, 1126
decaf::security::cert::X509Certificate, 4141
~X509Certificate, 4142
checkValidity, 4142
getBasicConstraints, 4142
getIssuerUniqueID, 4142
getIssuerX500Principal, 4142
getKeyUsage, 4142
getNotAfter, 4142
getNotBefore, 4142
getSigAlgName, 4142
getSigAlgOID, 4142
getSigAlgParams, 4142
getSignature, 4142
getSubjectUniqueID, 4142
getSubjectX500Principal, 4142
getTBSCertificate, 4142
getVersion, 4142
decaf::security::GeneralSecurityException, 2034
~GeneralSecurityException, 2036
clone, 2037
GeneralSecurityException, 2035, 2036
decaf::security::InvalidKeyException, 2201
~InvalidKeyException, 2203
clone, 2203
InvalidKeyException, 2202, 2203
decaf::security::Key, 2364
~Key, 2365
getAlgorithm, 2365
getEncoded, 2365
getFormat, 2365
decaf::security::KeyException, 2366
~KeyException, 2368
clone, 2368
KeyException, 2367, 2368
decaf::security::KeyManagementException, 2368
~KeyManagementException, 2371
clone, 2371
KeyManagementException, 2369, 2370
decaf::security::NoSuchAlgorithmException, 2907
~NoSuchAlgorithmException, 2909
clone, 2910
NoSuchAlgorithmException, 2908, 2909
decaf::security::NoSuchProviderException, 2913
~NoSuchProviderException, 2915
clone, 2915
NoSuchProviderException, 2913, 2914

decaf::security::Principal, 3114
~Principal, 3115
equals, 3115
getName, 3115
decaf::security::PublicKey, 3231
~PublicKey, 3231
decaf::security::SecureRandom, 3424
~SecureRandom, 3426
next, 3427
nextBytes, 3427, 3428
SecureRandom, 3426
setSeed, 3428, 3429
decaf::security::SecureRandomSpi, 3432
~SecureRandomSpi, 3433
providerGenerateSeed, 3433
providerNextBytes, 3433
providerSetSeed, 3434
SecureRandomSpi, 3433
decaf::security::SignatureException, 3601
~SignatureException, 3603
clone, 3604
SignatureException, 3602, 3603
decaf::util, 149
decaf::util::AbstractCollection, 159
~AbstractCollection, 162
AbstractCollection, 162
add, 162
addAll, 163
clear, 163
contains, 164
containsAll, 165
copy, 165
equals, 166
isEmpty, 166
lock, 166
mutex, 173
notify, 167
notifyAll, 167
operator=, 167
remove, 168
removeAll, 169
retainAll, 169
toArray, 170
tryLock, 171
unlock, 171
wait, 171, 172
decaf::util::AbstractList, 173
~AbstractList, 174
decaf::util::AbstractMap, 174
~AbstractMap, 175
decaf::util::AbstractQueue, 175
~AbstractQueue, 177
AbstractQueue, 177
add, 177
addAll, 177
clear, 178
element, 178
remove, 179
decaf::util::AbstractSequentialList, 179
~AbstractSequentialList, 180
decaf::util::AbstractSet, 180
~AbstractSet, 181
removeAll, 181
decaf::util::Collection, 1216
~Collection, 1218
add, 1218
addAll, 1219
clear, 1220
contains, 1221
containsAll, 1221
equals, 1222
isEmpty, 1223
remove, 1223
removeAll, 1224
retainAll, 1225
size, 1226
toArray, 1226
decaf::util::Comparator, 1251
~Comparator, 1252
compare, 1252
operator(), 1252
decaf::util::comparators, 151
decaf::util::comparators::Less, 2399
~Less, 2400
compare, 2400
Less, 2400
operator(), 2401
decaf::util::concurrent, 151
decaf::util::concurrent::atomic, 153
decaf::util::concurrent::atomic::AtomicBoolean, 745
~AtomicBoolean, 746
AtomicBoolean, 746
compareAndSet, 747
get, 747
getAndSet, 747
set, 747
toString, 748
decaf::util::concurrent::atomic::AtomicInteger, 748

~AtomicInteger, 750
addAndGet, 750
AtomicInteger, 750
compareAndSet, 750
decrementAndGet, 750
doubleValue, 751
floatValue, 751
get, 751
getAndAdd, 751
getAndDecrement, 752
getAndIncrement, 752
getAndSet, 752
incrementAndGet, 752
intValue, 752
longValue, 753
set, 753
toString, 753
decaf::util::concurrent::atomic::AtomicRefCounter, 754
~AtomicRefCounter, 755
AtomicRefCounter, 755
release, 755
swap, 756
decaf::util::concurrent::atomic::AtomicReference, 756
~AtomicReference, 757
AtomicReference, 757
compareAndSet, 757
get, 757
getAndSet, 758
set, 758
toString, 758
decaf::util::concurrent::BlockingQueue, 848
~BlockingQueue, 852
drainTo, 852
offer, 853
poll, 854
put, 854
remainingCapacity, 855
take, 855
decaf::util::concurrent::BrokenBarrierException, 866
~BrokenBarrierException, 868
BrokenBarrierException, 867, 868
clone, 868
decaf::util::concurrent::Callable, 1108
~Callable, 1109
call, 1109
decaf::util::concurrent::CancellationException, 1110
~CancellationException, 1112
CancellationException, 1110, 1111
clone, 1112
decaf::util::concurrent::ConcurrentMap, 1260
~ConcurrentMap, 1261
putIfAbsent, 1261
remove, 1262
replace, 1263, 1264
decaf::util::concurrent::ConcurrentStlMap, 1265
~ConcurrentStlMap, 1270
clear, 1270
ConcurrentStlMap, 1269, 1270
containsKey, 1270
containsValue, 1271
copy, 1271
equals, 1272
get, 1272, 1273
isEmpty, 1273
keySet, 1273
lock, 1274
notify, 1274
notifyAll, 1274
put, 1275
putAll, 1275, 1276
putIfAbsent, 1276
remove, 1277
replace, 1278, 1279
size, 1279
tryLock, 1280
unlock, 1280
values, 1280
wait, 1280, 1281
decaf::util::concurrent::ConditionHandle, 1290
~ConditionHandle, 1291
condition, 1291
ConditionHandle, 1291
criticalSection, 1291
generation, 1291
mutex, 1291
numWaiting, 1291
numWake, 1291
semaphore, 1291
decaf::util::concurrent::CountDownLatch, 1565
~CountDownLatch, 1566
await, 1566, 1567
countDown, 1568
CountDownLatch, 1566
getCount, 1568

decaf::util::concurrent::Delayed, 1774
~Delayed, 1775
getDelay, 1775
decaf::util::concurrent::ExecutionException, 1923
~ExecutionException, 1925
clone, 1926
ExecutionException, 1924, 1925
decaf::util::concurrent::Executor, 1926
~Executor, 1928
execute, 1928
decaf::util::concurrent::ExecutorService, 1928
~ExecutorService, 1929
awaitTermination, 1929
decaf::util::concurrent::Future, 2029
~Future, 2030
cancel, 2030
get, 2031
isCancelled, 2032
isDone, 2032
decaf::util::concurrent::Lock, 2450
~Lock, 2451
isLocked, 2451
Lock, 2451
lock, 2451
unlock, 2451
decaf::util::concurrent::locks, 153
decaf::util::concurrent::locks::Condition, 1282
~Condition, 1285
await, 1285, 1286
awaitNanos, 1286
awaitUninterruptibly, 1288
awaitUntil, 1289
signal, 1289
signalAll, 1289
decaf::util::concurrent::locks::Lock, 2452
~Lock, 2454
lock, 2454
lockInterruptibly, 2454
newCondition, 2455
tryLock, 2455, 2457
unlock, 2457
decaf::util::concurrent::locks::LockSupport, 2458
~LockSupport, 2459
decaf::lang::Thread, 3886
park, 2459
parkNanos, 2460
parkUntil, 2460
unpark, 2461
decaf::util::concurrent::locks::ReadWriteLock, 3263
~ReadWriteLock, 3265
readLock, 3265
writeLock, 3265
decaf::util::concurrent::locks::ReentrantLock, 3273
~ReentrantLock, 3275
getHoldCount, 3275
isFair, 3275
isHeldByCurrentThread, 3275
isLocked, 3276
lock, 3276
lockInterruptibly, 3276
newCondition, 3277
ReentrantLock, 3275
toString, 3278
tryLock, 3278, 3279
unlock, 3279
decaf::util::concurrent::Mutex, 2866
~Mutex, 2868
lock, 2868
Mutex, 2868
notify, 2868
notifyAll, 2868
tryLock, 2869
unlock, 2869
wait, 2870
decaf::util::concurrent::MutexHandle, 2871
~MutexHandle, 2872
lock_count, 2872
lock_owner, 2872
mutex, 2872
MutexHandle, 2872
decaf::util::concurrent::PooledThread, 3056
~PooledThread, 3057
getPooledThreadListener, 3057
isBusy, 3057
PooledThread, 3057
run, 3057
setPooledThreadListener, 3057
stop, 3058
decaf::util::concurrent::PooledThreadListener, 3058
~PooledThreadListener, 3059
onTaskCompleted, 3059
onTaskException, 3059
onTaskStarted, 3059
decaf::util::concurrent::RejectedExecutionException, 3280

~RejectedExecutionException, 3282
clone, 3282
RejectedExecutionException, 3281, 3282
decaf::util::concurrent::RejectedExecutionHandler, 3283
~RejectedExecutionHandler, 3283
rejectedExecution, 3283
decaf::util::concurrent::Semaphore, 3434
~Semaphore, 3438
acquire, 3438
acquireUninterruptibly, 3439, 3440
availablePermits, 3440
drainPermits, 3440
isFair, 3441
release, 3441
Semaphore, 3437
toString, 3442
tryAcquire, 3442–3444
decaf::util::concurrent::Synchronizable, 3811
~Synchronizable, 3812
lock, 3812
notify, 3813
notifyAll, 3814
tryLock, 3815
unlock, 3816
wait, 3817, 3819, 3820
decaf::util::concurrent::SynchronousQueue, 3827
~SynchronousQueue, 3830
clear, 3830
contains, 3830
containsAll, 3830
drainTo, 3831
equals, 3832
isEmpty, 3833
iterator, 3833
offer, 3833, 3834
peek, 3834
poll, 3834, 3835
put, 3835
remainingCapacity, 3836
remove, 3836
removeAll, 3837
retainAll, 3837
size, 3837
SynchronousQueue, 3830
take, 3837
toArray, 3838
decaf::util::concurrent::TaskListener, 3847
~TaskListener, 3848
onTaskComplete, 3848
onTaskException, 3848
decaf::util::concurrent::ThreadFactory, 3887
~ThreadFactory, 3887
newThread, 3887
decaf::util::concurrent::ThreadPool, 3888
~ThreadPool, 3891
DEFAULT_MAX_BLOCK_SIZE, 3894
DEFAULT_MAX_POOL_SIZE, 3894
deQueueTask, 3891
getBacklog, 3891
getBlockSize, 3891
getFreeThreadCount, 3892
getInstance, 3892
getMaxThreads, 3892
getPoolSize, 3892
onTaskCompleted, 3892
onTaskException, 3893
onTaskStarted, 3893
queueTask, 3893
reserve, 3893
setBlockSize, 3894
setMaxThreads, 3894
Task, 3891
ThreadPool, 3891
decaf::util::concurrent::TimeoutException, 3899
~TimeoutException, 3901
clone, 3901
TimeoutException, 3900, 3901
decaf::util::concurrent::TimeUnit, 3919
~TimeUnit, 3922
compareTo, 3922
convert, 3923
DAYS, 3929
equals, 3923
HOURS, 3929
MICROSECONDS, 3929
MILLISECONDS, 3929
MINUTES, 3929
NANOSECONDS, 3929
operator<, 3924
operator==, 3924
SECONDS, 3929
sleep, 3924
timedJoin, 3925
timedWait, 3925
TimeUnit, 3922
toDays, 3926
toHours, 3926

toMicros, 3926
toMillis, 3927
toMinutes, 3927
toNanos, 3928
toSeconds, 3928
toString, 3928
valueOf, 3928
values, 3930
decaf::util::Date, 1719
~Date, 1720
after, 1721
before, 1721
compareTo, 1721
Date, 1720
equals, 1721
getTime, 1721
operator<, 1722
operator=, 1722
operator==, 1722
setTime, 1722
toString, 1723
decaf::util::Iterator, 2222
~Iterator, 2223
hasNext, 2223
next, 2223
remove, 2223
decaf::util::List, 2409
~List, 2410
add, 2410
addAll, 2411
get, 2412
indexOf, 2412
lastIndexOf, 2413
List, 2410
listIterator, 2413, 2414
remove, 2415
set, 2416
decaf::util::ListIterator, 2417
~ListIterator, 2418
add, 2418
hasPrevious, 2418
nextIndex, 2418
previous, 2419
previousIndex, 2419
set, 2419
decaf::util::logging, 154
Debug, 155
Error, 156
Fatal, 156
Info, 156
Levels, 155
Markblock, 155
Null, 155
Off, 155
Throwing, 156
Warn, 156
decaf::util::logging::ConsoleHandler, 1439
~ConsoleHandler, 1440
close, 1440
ConsoleHandler, 1440
publish, 1441
decaf::util::logging::ErrorManager, 1884
~ErrorManager, 1885
CLOSE_FAILURE, 1885
error, 1885
ErrorManager, 1885
FLUSH_FAILURE, 1885
FORMAT_FAILURE, 1886
GENERIC_FAILURE, 1886
OPEN_FAILURE, 1886
WRITE_FAILURE, 1886
decaf::util::logging::Filter, 1949
~Filter, 1950
isLoggable, 1950
decaf::util::logging::Formatter, 2027
~Formatter, 2028
format, 2028
formatMessage, 2028
getHead, 2028
getTail, 2029
decaf::util::logging::Handler, 2042
~Handler, 2043
flush, 2043
getErrorManager, 2043
getFilter, 2043
getFormatter, 2044
getLevel, 2044
Handler, 2043
isLoggable, 2044
publish, 2044
reportError, 2045
setErrorManager, 2045
setFilter, 2045
setFormatter, 2045
setLevel, 2046
decaf::util::logging::Level, 2403
~Level, 2405
ALL, 2407
compareTo, 2406
CONFIG, 2407

DEBUG, 2407
equals, 2406
FINE, 2407
FINER, 2408
FINEST, 2408
getName, 2406
INFO, 2408
INHERIT, 2408
intValue, 2406
Level, 2405
OFF, 2408
operator<, 2406
operator==, 2406
parse, 2406
SEVERE, 2408
toString, 2407
WARNING, 2408
decaf::util::logging::Logger, 2461
~Logger, 2465
addHandler, 2465
config, 2465
debug, 2466
entering, 2466
exiting, 2466
fine, 2467
finer, 2467
finest, 2467
getAnonymousLogger, 2468
getFilter, 2468
getHandlers, 2468
getLevel, 2468
getLogger, 2469
getName, 2469
getParent, 2469
getUseParentHandlers, 2469
info, 2470
isLoggable, 2470
log, 2470, 2471
Logger, 2465
removeHandler, 2472
setFilter, 2472
setLevel, 2472
setParent, 2472
setUseParentHandlers, 2473
severe, 2473
throwing, 2473
warning, 2474
decaf::util::logging::LoggerHierarchy, 2474
~LoggerHierarchy, 2474
LoggerHierarchy, 2474
decaf::util::logging::LogManager, 2480
~LogManager, 2483
addLogger, 2483
addPropertyChangeListener, 2484
decaf::lang::Runtime, 2487
getLogger, 2484
getLoggerNames, 2484
getLogManager, 2485
getProperties, 2485
getProperty, 2485
LogManager, 2483
operator=, 2485
readConfiguration, 2485, 2486
removePropertyChangeListener, 2486
reset, 2486
setProperties, 2487
decaf::util::logging::LogRecord, 2487
~LogRecord, 2489
getLevel, 2489
getLoggerName, 2489
getMessage, 2489
getSourceFile, 2489
getSourceFunction, 2490
getSourceLine, 2490
getThrown, 2490
getTimestamp, 2490
getTreadId, 2490
LogRecord, 2489
setLevel, 2491
setLoggerName, 2491
setMessage, 2491
setSourceFile, 2491
setSourceFunction, 2491
setSourceLine, 2492
setThrown, 2492
setTimestamp, 2492
setTreadId, 2492
decaf::util::logging::LogWriter, 2493
~LogWriter, 2494
destroy, 2494
getInstance, 2494
log, 2494
LogWriter, 2494
returnInstance, 2494
decaf::util::logging::MarkBlockLogger, 2563
~MarkBlockLogger, 2564
MarkBlockLogger, 2563
decaf::util::logging::PropertiesChangeListener, 3227
~PropertiesChangeListener, 3227

onPropertiesReset, 3227
onPropertyChanged, 3227
decaf::util::logging::SimpleFormatter, 3604
~SimpleFormatter, 3605
format, 3605
SimpleFormatter, 3605
decaf::util::logging::SimpleLogger, 3605
~SimpleLogger, 3606
debug, 3606
error, 3606
fatal, 3606
info, 3606
log, 3607
mark, 3607
SimpleLogger, 3606
warn, 3607
decaf::util::logging::StreamHandler, 3756
~StreamHandler, 3758
close, 3758
flush, 3759
isLoggable, 3759
publish, 3759
setOuputStream, 3759
StreamHandler, 3758
decaf::util::logging::XMLFormatter, 4172
~XMLFormatter, 4173
format, 4173
getHead, 4173
getTail, 4174
XMLFormatter, 4173
decaf::util::Map, 2538
~Map, 2540
clear, 2540
containsKey, 2541
containsValue, 2542
copy, 2543
equals, 2543
get, 2543, 2544
isEmpty, 2545
keySet, 2546
Map, 2540
put, 2547
putAll, 2547
remove, 2548
size, 2549
values, 2550
decaf::util::Map::Entry, 1880
~Entry, 1881
Entry, 1881
getKey, 1881
getValue, 1881
setValue, 1881
decaf::util::PriorityQueue, 3116
~PriorityQueue, 3119
add, 3120
clear, 3120
comparator, 3120
iterator, 3121
offer, 3121
operator=, 3122
peek, 3122
poll, 3122
PriorityQueue, 3118, 3119
PriorityQueueIterator, 3124
remove, 3123
size, 3124
decaf::util::Properties, 3216
~Properties, 3219
clear, 3219
clone, 3219
copy, 3219
defaults, 3226
equals, 3219
getProperty, 3220
hasProperty, 3220
isEmpty, 3220
load, 3221
operator=, 3223
Properties, 3219
propertyNames, 3223
remove, 3224
setProperty, 3224
size, 3224
store, 3224, 3225
toArray, 3226
toString, 3226
decaf::util::Queue, 3239
~Queue, 3241
element, 3241
offer, 3241
peek, 3242
poll, 3242
remove, 3243
decaf::util::Random, 3245
next, 3247
nextBoolean, 3248
nextBytes, 3248, 3249
nextDouble, 3249
nextFloat, 3249
nextGaussian, 3249

nextInt, 3250
nextLong, 3250
Random, 3247
setSeed, 3251
decaf::util::Set, 3538
~Set, 3538
decaf::util::StlList, 3694
~StlList, 3700
add, 3700, 3701
addAll, 3701
clear, 3702
contains, 3702
copy, 3703
equals, 3703
get, 3703
indexOf, 3703
isEmpty, 3704
iterator, 3704
lastIndexOf, 3704
listIterator, 3705, 3706
remove, 3706
set, 3707
size, 3707
StlList, 3699, 3700
decaf::util::StlMap, 3708
~StlMap, 3713
clear, 3713
containsKey, 3714
containsValue, 3714
copy, 3714
equals, 3715
get, 3715, 3716
isEmpty, 3716
keySet, 3716
lock, 3717
notify, 3717
notifyAll, 3717
put, 3718
putAll, 3718
remove, 3719
size, 3719
StlMap, 3713
tryLock, 3719
unlock, 3720
values, 3720
wait, 3720, 3721
decaf::util::StlQueue, 3722
~StlQueue, 3725
back, 3725
clear, 3725
empty, 3725
enqueueFront, 3725
front, 3726
getSafeValue, 3726
iterator, 3726
lock, 3726
notify, 3727
notifyAll, 3727
pop, 3727
push, 3728
reverse, 3728
size, 3728
StlQueue, 3725
toArray, 3728
tryLock, 3728
unlock, 3729
wait, 3729, 3730
decaf::util::StlSet, 3731
~StlSet, 3734
add, 3734
clear, 3735
contains, 3735
copy, 3736
equals, 3736
isEmpty, 3736
iterator, 3736
remove, 3737
size, 3737
StlSet, 3734
decaf::util::StringTokenizer, 3779
~StringTokenizer, 3780
countTokens, 3780
hasMoreTokens, 3780
nextToken, 3780, 3781
reset, 3781
StringTokenizer, 3779
toArray, 3781
decaf::util::Timer, 3901
~Timer, 3904
cancel, 3904
purge, 3904
schedule, 3904–3910
scheduleAtFixedRate, 3910–3913
Timer, 3904
decaf::util::TimerTask, 3914
~TimerTask, 3915
cancel, 3915
decaf::internal::util::TimerTaskHeap, 3916
getWhen, 3915

isScheduled, 3916
scheduledExecutionTime, 3916
setScheduledTime, 3916
Timer, 3916
TimerImpl, 3916
TimerTask, 3915
decaf::util::UUID, 4080
~UUID, 4083
clockSequence, 4083
compareTo, 4083
equals, 4083
fromString, 4084
getLeastSignificantBits, 4084
getMostSignificantBits, 4084
nameUUIDFromBytes, 4084, 4085
node, 4085
operator<, 4085
operator==, 4086
randomUUID, 4086
timestamp, 4086
toString, 4087
UUID, 4083
variant, 4087
version, 4087
decaf::util::zip, 156
decaf::util::zip::Adler32, 730
~Adler32, 731
Adler32, 731
getValue, 731
reset, 731
update, 731, 732
decaf::util::zip::CheckedInputStream, 1169
~CheckedInputStream, 1171
CheckedInputStream, 1170
doReadArrayBounded, 1171
doReadByte, 1171
getChecksum, 1171
skip, 1171
decaf::util::zip::CheckedOutputStream, 1172
~CheckedOutputStream, 1173
CheckedOutputStream, 1173
doWriteArrayBounded, 1173
doWriteByte, 1173
getChecksum, 1173
decaf::util::zip::Checksum, 1174
~Checksum, 1175
getValue, 1175
reset, 1175
update, 1175, 1176
decaf::util::zip::CRC32, 1568
~CRC32, 1569
CRC32, 1569
getValue, 1569
reset, 1569
update, 1569, 1570
decaf::util::zip::DataFormatException, 1600
~DataFormatException, 1602
clone, 1602
DataFormatException, 1601, 1602
decaf::util::zip::Deflater, 1759
~Deflater, 1762
BEST_COMPRESSION, 1768
BEST_SPEED, 1768
DEFAULT_COMPRESSION, 1768
DEFAULT_STRATEGY, 1768
deflate, 1762, 1763
DEFLATED, 1769
Deflater, 1761, 1762
end, 1763
FILTERED, 1769
finish, 1763
finished, 1763
getAdler, 1764
getBytesRead, 1764
getBytesWritten, 1764
HUFFMAN_ONLY, 1769
needsInput, 1764
NO_COMPRESSION, 1769
reset, 1764
setDictionary, 1765, 1766
setInput, 1766, 1767
setLevel, 1767
setStrategy, 1768
decaf::util::zip::DeflaterOutputStream, 1769
~DeflaterOutputStream, 1772
buf, 1773
close, 1772
DEFAULT_BUFFER_SIZE, 1773
deflate, 1773
deflater, 1774
DeflaterOutputStream, 1771, 1772
doWriteArrayBounded, 1773
doWriteByte, 1773
finish, 1773
isDone, 1774
ownDeflater, 1774
decaf::util::zip::Inflater, 2088
~Inflater, 2090
end, 2090
finish, 2090

finished, 2090
getAdler, 2091
getBytesRead, 2091
getBytesWritten, 2091
getRemaining, 2091
inflate, 2092, 2093
Inflater, 2090
needsDictionary, 2093
needsInput, 2093
reset, 2093
setDictionary, 2094, 2095
setInput, 2095, 2096
decaf::util::zip::InflaterInputStream, 2097
~InflaterInputStream, 2101
atEOF, 2104
available, 2101
buff, 2104
close, 2102
DEFAULT_BUFFER_SIZE, 2104
doReadArrayBounded, 2102
doReadByte, 2102
fill, 2102
inflater, 2105
InflaterInputStream, 2100
length, 2105
mark, 2102
markSupported, 2103
ownInflater, 2105
reset, 2103
skip, 2104
decaf::util::zip::ZipException, 4175
~ZipException, 4177
clone, 4178
ZipException, 4176, 4177
DECAF_API
decaf/util/Config.h, 4275
DECAF_CATCH_EXCEPTION_CONVERT
decaf/lang/exceptions/ExceptionDefines.h, 4241
DECAF_CATCH_NOTHROW
decaf/lang/exceptions/ExceptionDefines.h, 4241
DECAF_CATCH_RETHROW
decaf/lang/exceptions/ExceptionDefines.h, 4241
DECAF_CATCHALL_NOTHROW
decaf/lang/exceptions/ExceptionDefines.h, 4242
DECAF_CATCHALL_THROW
decaf/lang/exceptions/ExceptionDefines.h, 4242
DECAF_UNUSED
decaf/util/Config.h, 4275
DecafRuntime
decaf::internal::DecafRuntime, 1724
decode
decaf::internal::net::URIEncoderDecoder, 4045
decaf::lang::Byte, 973
decaf::lang::Integer, 2148
decaf::lang::Long, 2499
decaf::lang::Short, 3542
decaf::net::URLDecoder, 4074
decreaseUsage
activemq::util::MemoryUsage, 2594
activemq::util::Usage, 4076
decrementAndGet
decaf::util::concurrent::atomic::AtomicInteger, 750
DedicatedTaskRunner
activemq::threads::DedicatedTaskRunner, 1725
DEF_MEM_LEVEL
zutil.h, 4639
DEF_WBITS
zutil.h, 4639
DEFAULT_BUFFER_SIZE
decaf::util::zip::DeflaterOutputStream, 1773
decaf::util::zip::InflaterInputStream, 2104
DEFAULT_COMPRESSION
decaf::util::zip::Deflater, 1768
DEFAULT_DURABLE_TOPIC_PREFETCH
activemq::core::policies::DefaultPrefetchPolicy, 1730
DEFAULT_MAX_BLOCK_SIZE
decaf::util::concurrent::ThreadPool, 3894
DEFAULT_MAX_POOL_SIZE
decaf::util::concurrent::ThreadPool, 3894
DEFAULT_MESSAGE_SIZE
activemq::commands::Message, 2613
DEFAULT_ORDERED_TARGET
activemq::commands::ActiveMQDestination, 322
DEFAULT_PRIORITY
activemq::cmsutil::CmsTemplate, 1215
DEFAULT_QUEUE_BROWSER_PREFETCH
activemq::core::policies::DefaultPrefetchPolicy, 1730

DEFAULT_QUEUE_PREFETCH
activemq::core::policies::DefaultPrefetchPolicy, 1730
DEFAULT_STRATEGY
decaf::util::zip::Deflater, 1768
DEFAULT_TIME_TO_LIVE
activemq::cmsutil::CmsTemplate, 1215
DEFAULT_TOPIC_PREFETCH
activemq::core::policies::DefaultPrefetchPolicy, 1730
DEFAULT_URI
activemq::core::ActiveMQConnectionFactory, 293
DEFAULT_VERSION
activemq::wireformat::openwire::OpenWireFormat, 2984
DefaultPrefetchPolicy
activemq::core::policies::DefaultPrefetchPolicy, 1727
DefaultRedeliveryPolicy
activemq::core::policies::DefaultRedeliveryPolicy, 1731
defaults
decaf::util::Properties, 3226
DefaultServerSocketFactory
decaf::internal::net::DefaultServerSocketFactory, 1736
DefaultSocketFactory
decaf::internal::net::DefaultSocketFactory, 1741
DefaultSSLContext
decaf::internal::net::ssl::DefaultSSLContext, 1744
DefaultSSLServerSocketFactory
decaf::internal::net::ssl::DefaultSSLServerSocketFactory, 1747
DefaultSSLSocketFactory
decaf::internal::net::ssl::DefaultSSLSocketFactory, 1753
deflate
decaf::util::zip::Deflater, 1762, 1763
decaf::util::zip::DeflaterOutputStream, 1773
deflate.h
_dist_code, 4623
_length_code, 4623
_tr_tally_dist, 4621
_tr_tally_lit, 4622
BL_CODES, 4622
BUSY_STATE, 4623
Code, 4623
COMMENT_STATE, 4623
ct_data, 4623
d_code, 4623
D_CODES, 4623
Dad, 4623
deflate_state, 4623
EXTRA_STATE, 4623
FINISH_STATE, 4623
Freq, 4623
GZIP, 4623
HCRC_STATE, 4623
HEAP_SIZE, 4623
INIT_STATE, 4623
Freq, 4623
L_CODES, 4623
Len, 4623
LENGTH_CODES, 4623
LITERALS, 4623
MAX_BITS, 4623
MAX_DIST, 4623
max_insert_length, 4623
MIN_LOOKAHEAD, 4623
NAME_STATE, 4623
OF, 4623
Pos, 4623
Posf, 4623
put_byte, 4623
static_tree_desc, 4623
tree_desc, 4623
WIN_INIT, 4623
deflate_state
deflate.h, 4623
DEFLATED
decaf::util::zip::Deflater, 1769
deflateInit
zlib.h, 4635
deflateInit2
zlib.h, 4635
Deflater
decaf::util::zip::Deflater, 1761, 1762
deflater
decaf::util::zip::DeflaterOutputStream, 1774
DeflaterOutputStream
decaf::util::zip::DeflaterOutputStream, 1771, 1772
deleteIfCancelled
decaf::internal::util::TimerTaskHeap, 3918

deliverAcks
activemq::core::ActiveMQConsumer, 305
activemq::core::ActiveMQSession, 524
DELIVERY_MODE
cms::DeliveryMode, 1776
deliverySequenceId
activemq::commands::MessageDispatchNotification, 2720
depth
internal_state, 2191
dequeue
activemq::core::ActiveMQConsumer, 305
activemq::core::MessageDispatchChannel, 2685
dequeueNoWait
activemq::core::MessageDispatchChannel, 2685
deQueueTask
decaf::util::concurrent::ThreadPool, 3891
descriptor
decaf::io::FileDescriptor, 1949
destination
activemq::cmsutil::CmsTemplate::ProducerExecutor, 3156
activemq::cmsutil::CmsTemplate::ReceiveExecutor, 3267
activemq::commands::ConsumerControl, 1446
activemq::commands::ConsumerInfo, 1509
activemq::commands::DestinationInfo, 1784
activemq::commands::JournalQueueAck, 2227
activemq::commands::JournalTopicAck, 2256
activemq::commands::Message, 2613
activemq::commands::MessageAck, 2648
activemq::commands::MessageDispatch, 2683
activemq::commands::MessageDispatchNotification, 2720
activemq::commands::MessagePull, 2828
activemq::commands::ProducerInfo, 3190
activemq::commands::SubscriptionInfo, 3786
DESTINATION_ADD_OPERATION
activemq::core::ActiveMQConstants, 298
DESTINATION_REMOVE_OPERATION
activemq::core::ActiveMQConstants, 298
DestinationActions
activemq::core::ActiveMQConstants, 298
DestinationInfo
activemq::commands::DestinationInfo, 1781
DestinationInfoMarshaller
activemq::wireformat::openwire::marshal::v1::DestinationInfo 1798
activemq::wireformat::openwire::marshal::v2::DestinationInfo 1786
activemq::wireformat::openwire::marshal::v3::DestinationInfo 1790
activemq::wireformat::openwire::marshal::v4::DestinationInfo 1794
activemq::wireformat::openwire::marshal::v5::DestinationInfo 1807
activemq::wireformat::openwire::marshal::v6::DestinationInfo 1803
DestinationOption
activemq::core::ActiveMQConstants, 298
DestinationType
cms::Destination, 1777
destOptionMap
activemq::core::ActiveMQConstants::StaticInitializer, 3693
destOptions
activemq::core::ActiveMQConstants::StaticInitializer, 3693
destroy
activemq::cmsutil::CmsAccessor, 1186
activemq::cmsutil::CmsDestinationAccessor, 1189
activemq::cmsutil::CmsTemplate, 1205
activemq::cmsutil::DestinationResolver, 1811
activemq::cmsutil::DynamicDestinationResolver, 1879
activemq::cmsutil::ResourceLifecycleManager, 3378
activemq::commands::ActiveMQTempQueue, 609
activemq::commands::ActiveMQTempTopic, 639

cms::TemporaryQueue, 3872
cms::TemporaryTopic, 3873
decaf::internal::util::concurrent::ConditionImpl, 1292
decaf::internal::util::concurrent::MutexImpl, 2873
decaf::util::logging::LogWriter, 2494
destroyDestination
activemq::core::ActiveMQConnection, 268
destroyMarshalers
activemq::wireformat::openwire::OpenWireFormat, 2975
destroyResources
decaf::internal::util::ResourceLifecycleManager, 3376
DICT
inflate.h, 4627
DICTID
inflate.h, 4627
digit
decaf::lang::Character, 1129
direct
gz_state, 2041
DISCONNECT
activemq::wireformat::stomp::StompCommandConstants, 3740
DiscoveryEvent
activemq::commands::DiscoveryEvent, 1813
DiscoveryEventMarshaller
activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller, 1832
activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller, 1820
activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller, 1824
activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller, 1828
activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller, 1836
activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller, 1816
dispatch
activemq::core::ActiveMQConsumer, 305
activemq::core::ActiveMQSession, 525
activemq::core::Dispatcher, 1841
dispatchAsync
activemq::commands::ConsumerInfo, 1509
activemq::commands::ProducerInfo, 3190
DispatchData
activemq::core::DispatchData, 1840
DIST
inflate.h, 4627
distbits
inflate_state, 2087
distcode
inflate_state, 2087
DISTEXT
inflate.h, 4627
DISTS
inftrees.h, 4628
dl
ct_data_s, 1571
dmax
inflate_state, 2087
doAppendChar
decaf::io::Writer, 4136
doAppendCharSequence
decaf::io::Writer, 4137
doAppendCharSequenceStartEnd
decaf::io::Writer, 4137
doClose
activemq::core::ActiveMQConsumer, 305
doCreateComposite
activemq::transport::failover::FailoverTransportFactory, 1944
activemq::transport::mock::MockTransportFactory, 2866
activemq::transport::tcp::SslTransportFactory, 3685
activemq::transport::tcp::TcpTransportFactory, 3870
doInCms
activemq::cmsutil::CmsTemplate::ProducerExecutor, 3156
activemq::cmsutil::CmsTemplate::ReceiveExecutor, 3266
activemq::cmsutil::CmsTemplate::SendExecutor, 3446
activemq::cmsutil::ProducerCallback, 3154
activemq::cmsutil::SessionCallback, 3476
DONE
inflate.h, 4627
done

gz_header_s, 2039
doReadArray
decaf::io::FilterInputStream, 1954
decaf::io::InputStream, 2108
decaf::io::Reader, 3255
doReadArrayBounded
activemq::io::LoggingInputStream, 2475
decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream, 2968
decaf::internal::net::tcp::TcpSocketInputStream, 3862
decaf::io::BlockingByteArrayInputStream, 847
decaf::io::BufferedInputStream, 946
decaf::io::ByteArrayInputStream, 1043
decaf::io::FilterInputStream, 1954
decaf::io::InputStream, 2108
decaf::io::InputStreamReader, 2118
decaf::io::PushbackInputStream, 3235
decaf::io::Reader, 3255
decaf::util::zip::CheckedInputStream, 1171
decaf::util::zip::InflaterInputStream, 2102
doReadByte
activemq::io::LoggingInputStream, 2475
decaf::internal::io::StandardInputStream, 3689
decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream, 2968
decaf::internal::net::tcp::TcpSocketInputStream, 3862
decaf::io::BlockingByteArrayInputStream, 847
decaf::io::BufferedInputStream, 946
decaf::io::ByteArrayInputStream, 1043
decaf::io::FilterInputStream, 1954
decaf::io::InputStream, 2108
decaf::io::PushbackInputStream, 3235
decaf::util::zip::CheckedInputStream, 1171
decaf::util::zip::InflaterInputStream, 2102
doReadChar
decaf::io::Reader, 3256
doReadCharBuffer
decaf::io::Reader, 3256
doReadVector
decaf::io::Reader, 3256
doStartTransaction
activemq::core::ActiveMQSession, 525
Double
decaf::lang::Double, 1844
DOUBLE_TYPE
activemq::util::PrimitiveValueNode, 3104
DoubleArrayBuffer
decaf::internal::nio::DoubleArrayBuffer, 1858, 1859
DoubleBuffer
decaf::nio::DoubleBuffer, 1868
doubleToLongBits
decaf::lang::Double, 1845
doubleToRawLongBits
decaf::lang::Double, 1846
doubleValue
activemq::util::PrimitiveValueNode::PrimitiveValue, 3098
decaf::lang::Byte, 973
decaf::lang::Character, 1130
decaf::lang::Double, 1846
decaf::lang::Float, 1965
decaf::lang::Integer, 2148
decaf::lang::Long, 2500
decaf::lang::Number, 2919
decaf::lang::Short, 3542
decaf::util::concurrent::atomic::AtomicInteger, 751
doUnmarshal
activemq::wireformat::openwire::OpenWireFormat, 2975
doWriteArray
decaf::io::BufferedOutputStream, 950
decaf::io::FilterOutputStream, 1959
decaf::io::OutputStream, 2993
decaf::io::Writer, 4137
doWriteArrayBounded
activemq::io::LoggingOutputStream, 2477
decaf::internal::io::StandardErrorOutputStream, 3687
decaf::internal::io::StandardOutputStream, 3691
decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream, 2970
decaf::internal::net::tcp::TcpSocketOutputStream, 3865
decaf::io::BufferedOutputStream, 950
decaf::io::ByteArrayOutputStream, 1048
decaf::io::DataOutputStream, 1630
decaf::io::FilterOutputStream, 1960
decaf::io::OutputStream, 2994
decaf::io::OutputStreamWriter, 3001

decaf::io::Writer, 4137
decaf::util::zip::CheckedOutputStream, 1173
decaf::util::zip::DeflaterOutputStream, 1773
doWriteByte
activemq::io::LoggingOutputStream, 2477
decaf::internal::io::StandardErrorOutputStream, 3687
decaf::internal::io::StandardOutputStream, 3691
decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream, 2971
decaf::internal::net::tcp::TcpSocketOutputStream, 3865
decaf::io::BufferedOutputStream, 950
decaf::io::ByteArrayOutputStream, 1048
decaf::io::DataOutputStream, 1630
decaf::io::FilterOutputStream, 1960
decaf::io::OutputStream, 2994
decaf::util::zip::CheckedOutputStream, 1173
decaf::util::zip::DeflaterOutputStream, 1773
doWriteChar
decaf::io::Writer, 4137
doWriteString
decaf::io::Writer, 4137
doWriteStringBounded
decaf::io::Writer, 4137
doWriteVector
decaf::io::Writer, 4137
drainPermits
decaf::util::concurrent::Semaphore, 3440
drainTo
decaf::util::concurrent::BlockingQueue, 852
decaf::util::concurrent::SynchronousQueue, 3831
droppable
activemq::commands::Message, 2613
dummy
internal_state, 2191
duplexConnection
activemq::commands::BrokerInfo, 910
duplicate
decaf::internal::nio::ByteArrayBuffer, 1024
decaf::internal::nio::CharArrayBuffer, 1143
decaf::internal::nio::DoubleArrayBuffer, 1861
decaf::internal::nio::FloatArrayBuffer, 1981
decaf::internal::nio::IntArrayBuffer, 2126
decaf::internal::nio::LongArrayBuffer, 2518
decaf::internal::nio::ShortArrayBuffer, 3556
decaf::nio::ByteBuffer, 1060
decaf::nio::CharBuffer, 1157
decaf::nio::DoubleBuffer, 1870
decaf::nio::FloatBuffer, 1991
decaf::nio::IntBuffer, 2136
decaf::nio::LongBuffer, 2528
decaf::nio::ShortBuffer, 3565
DUPS_OK_ACKNOWLEDGE
cms::Session, 3464
dyn_dtree
internal_state, 2191
dyn_ltree
internal_state, 2191
dyn_tree
tree_desc_s, 4018
DYN_TREES
zutil.h, 4639
dynamicCast
decaf::lang::Pointer, 3037
DynamicDestinationResolver
activemq::cmsutil::DynamicDestinationResolver, 1879

E
decaf::lang::Math, 2592
element
decaf::util::AbstractQueue, 178
decaf::util::Queue, 3241
empty
decaf::util::StlQueue, 3725
encode
decaf::net::URLEncoder, 4075
encodeOthers
decaf::internal::net::URIEncoderDecoder, 4045
end
decaf::util::zip::Deflater, 1763
decaf::util::zip::Inflater, 2090
ENOUGH

inftrees.h, 4628
ENOUGH_DISTS
inftrees.h, 4628
ENOUGH_LENS
inftrees.h, 4628
enqueue
activemq::core::MessageDispatchChannel, 2686
enqueueFirst
activemq::core::MessageDispatchChannel, 2686
enqueueFront
decaf::util::StlQueue, 3725
enqueueUsage
activemq::util::MemoryUsage, 2594
activemq::util::Usage, 4076
ensureCreated
decaf::net::ServerSocket, 3453
decaf::net::Socket, 3615
entering
decaf::util::logging::Logger, 2466
Entry
decaf::util::Map::Entry, 1881
eof
gz_state, 2041
EOFException
decaf::io::EOFException, 1882, 1883
equals
activemq::commands::ActiveMQBlobMessage, 187
activemq::commands::ActiveMQBytesMessage, 220
activemq::commands::ActiveMQDestination, 316
activemq::commands::ActiveMQMapMessage, 354
activemq::commands::ActiveMQMessage, 391
activemq::commands::ActiveMQMessageTemplate, 423
activemq::commands::ActiveMQObjectMessage, 439
activemq::commands::ActiveMQQueue, 481
activemq::commands::ActiveMQStreamMessage, 540
activemq::commands::ActiveMQTempDestination, 581
activemq::commands::ActiveMQTempQueue, 609
activemq::commands::ActiveMQTempTopic, 639
activemq::commands::ActiveMQTextMessage, 669
activemq::commands::ActiveMQTopic, 699
activemq::commands::BaseCommand, 766
activemq::commands::BaseDataStructure, 839
activemq::commands::BooleanExpression, 862
activemq::commands::BrokerId, 876, 877
activemq::commands::BrokerInfo, 905
activemq::commands::ConnectionControl, 1303
activemq::commands::ConnectionError, 1334
activemq::commands::ConnectionId, 1367
activemq::commands::ConnectionInfo, 1395
activemq::commands::ConsumerControl, 1443
activemq::commands::ConsumerId, 1474, 1475
activemq::commands::ConsumerInfo, 1504
activemq::commands::ControlCommand, 1538
activemq::commands::DataArrayResponse, 1573
activemq::commands::DataResponse, 1633
activemq::commands::DataStructure, 1716
activemq::commands::DestinationInfo, 1781
activemq::commands::DiscoveryEvent, 1813
activemq::commands::ExceptionResponse, 1896
activemq::commands::FlushCommand, 2000
activemq::commands::IntegerResponse, 2161
activemq::commands::JournalQueueAck, 2226
activemq::commands::JournalTopicAck,

2254
activemq::commands::JournalTrace, 2282
activemq::commands::JournalTransaction, 2309
activemq::commands::KeepAliveInfo, 2337
activemq::commands::LastPartialCommand, 2372
activemq::commands::LocalTransactionId, 2422, 2423
activemq::commands::Message, 2602
activemq::commands::MessageAck, 2645
activemq::commands::MessageDispatch, 2680
activemq::commands::MessageDispatchNotification, 2718
activemq::commands::MessageId, 2753
activemq::commands::MessagePull, 2826
activemq::commands::NetworkBridgeFilter, 2879
activemq::commands::PartialCommand, 3003
activemq::commands::ProducerAck, 3126
activemq::commands::ProducerId, 3159
activemq::commands::ProducerInfo, 3187
activemq::commands::RemoveInfo, 3286
activemq::commands::RemoveSubscriptionInfo, 3315
activemq::commands::ReplayCommand, 3345
activemq::commands::Response, 3381
activemq::commands::SessionId, 3478, 3479
activemq::commands::SessionInfo, 3501
activemq::commands::ShutdownInfo, 3574
activemq::commands::SubscriptionInfo, 3784
activemq::commands::TransactionId, 3934
activemq::commands::TransactionInfo, 3961
activemq::commands::WireFormatInfo, 4097
activemq::commands::XATransactionId, 4145
decaf::lang::Boolean, 858
decaf::lang::Byte, 973, 974
decaf::lang::Character, 1130
decaf::lang::Comparable, 1249
decaf::lang::Double, 1846, 1847
decaf::lang::Float, 1966
decaf::lang::Integer, 2149
decaf::lang::Long, 2500
decaf::lang::Short, 3543
decaf::net::URI, 4037
decaf::nio::ByteBuffer, 1061
decaf::nio::CharBuffer, 1157
decaf::nio::DoubleBuffer, 1871
decaf::nio::FloatBuffer, 1991
decaf::nio::IntBuffer, 2136
decaf::nio::LongBuffer, 2528
decaf::nio::ShortBuffer, 3566
decaf::security::cert::Certificate, 1113
decaf::security::Principal, 3115
decaf::util::AbstractCollection, 166
decaf::util::Collection, 1222
decaf::util::concurrent::ConcurrentStlMap, 1272
decaf::util::concurrent::SynchronousQueue, 3832
decaf::util::concurrent::TimeUnit, 3923
decaf::util::Date, 1721
decaf::util::logging::Level, 2406
decaf::util::Map, 2543
decaf::util::Properties, 3219
decaf::util::StlList, 3703
decaf::util::StlMap, 3715
decaf::util::StlSet, 3736
decaf::util::UUID, 4083
err
decaf::io::FileDescriptor, 1949
gz_state, 2041
ERR_MSG
zutil.h, 4639
ERR_RETURN
zutil.h, 4639
Error
decaf::util::logging, 156
error
decaf::util::logging::ErrorManager, 1885
decaf::util::logging::SimpleLogger, 3606
ERROR_CMD
activemq::wireformat::stomp::StompCommandConstants, 3740
ErrorManager
decaf::util::logging::ErrorManager, 1885
Exception
decaf::lang::Exception, 1888, 1889
exception

activemq::commands::ConnectionError, 1336
activemq::commands::ExceptionResponse, 1897
ExceptionResponse
activemq::commands::ExceptionResponse, 1896
ExceptionResponseMarshaller
activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller, 1920
activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller, 1903
activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller, 1907
activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller, 1916
activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller, 1912
activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller, 1899
exclusive
activemq::commands::ActiveMQDestination, 322
activemq::commands::ConsumerInfo, 1509
execute
activemq::cmsutil::CmsTemplate, 1205, 1206
activemq::core::ActiveMQSessionExecutor, 534
decaf::util::concurrent::Executor, 1928
executeFirst
activemq::core::ActiveMQSessionExecutor, 534
ExecutionException
decaf::util::concurrent::ExecutionException, 1924, 1925
exit
activemq::commands::ConnectionControl, 1306
exiting
decaf::util::logging::Logger, 2466
EXLEN
inflate.h, 4626
expiration
activemq::commands::Message, 2613
EXTRA
inflate.h, 4627
extra
gz_header_s, 2039
inflate_state, 2087
extra_len
gz_header_s, 2039
extra_max
gz_header_s, 2039
EXTRA_STATE
deflate.h, 4623

F_OPEN
zutil.h, 4639
failIfReadOnlyBody
activemq::commands::ActiveMQMessageTemplate, 423
failIfReadOnlyProperties
activemq::commands::ActiveMQMessageTemplate, 423
failIfWriteOnlyBody
activemq::commands::ActiveMQMessageTemplate, 423
FailoverTransport
activemq::transport::failover::FailoverTransport, 1933
FailoverTransportListener
activemq::transport::failover::FailoverTransport, 1942
activemq::transport::failover::FailoverTransportListener, 1946
FAR
zconf.h, 4632
Fatal
decaf::util::logging, 156
fatal
decaf::util::logging::SimpleLogger, 3606
faultTolerant
activemq::commands::ConnectionControl, 1306
activemq::commands::ConnectionInfo, 1399
faultTolerantConfiguration
activemq::commands::BrokerInfo, 910
fc
ct_data_s, 1571
fd
decaf::net::SocketImpl, 3644
gz_state, 2041
FileDescriptor
decaf::io::FileDescriptor, 1948
FileName
activemq::commands::BrokerError::StackTraceElement, 3686

fill
decaf::util::zip::InflaterInputStream, 2162
FILTERED
decaf::util::zip::Deflater, 1769
FilterInputStream
decaf::io::FilterInputStream, 1953
FilterOutputStream
decaf::io::FilterOutputStream, 1959
find
decaf::internal::util::TimerTaskHeap, 3918
findFactory
activemq::transport::TransportRegistry, 4016
activemq::wireformat::WireFormatRegistry, 4131
FINE
decaf::util::logging::Level, 2407
fine
decaf::util::logging::Logger, 2467
FINER
decaf::util::logging::Level, 2408
finer
decaf::util::logging::Logger, 2467
FINEST
decaf::util::logging::Level, 2408
finest
decaf::util::logging::Logger, 2467
finish
decaf::util::zip::Deflater, 1763
decaf::util::zip::DeflaterOutputStream, 1773
decaf::util::zip::Inflater, 2090
FINISH_STATE
deflate.h, 4623
finished
decaf::util::zip::Deflater, 1763
decaf::util::zip::Inflater, 2090
fire
activemq::core::ActiveMQConnection, 269
activemq::core::ActiveMQSession, 525
activemq::transport::TransportFilter, 4007
fireCommand
activemq::transport::mock::MockTransport, 2857
fireException
activemq::transport::mock::MockTransport, 2857
firstMessageId
activemq::commands::MessageAck, 2648
firstNakNumber
activemq::commands::ReplayCommand, 3347
FLAGS
inflate.h, 4626
flags
inflate_state, 2087
flip
decaf::nio::Buffer, 939
Float
decaf::lang::Float, 1964
FLOAT_TYPE
activemq::util::PrimitiveValueNode, 3104
FloatArrayBuffer
decaf::internal::nio::FloatArrayBuffer, 1978, 1979
FloatBuffer
decaf::nio::FloatBuffer, 1988
floatToIntBits
decaf::lang::Float, 1966
floatToRawIntBits
decaf::lang::Float, 1967
floatValue
activemq::util::PrimitiveValueNode::PrimitiveValue, 3098
decaf::lang::Byte, 974
decaf::lang::Character, 1130
decaf::lang::Double, 1847
decaf::lang::Float, 1967
decaf::lang::Integer, 2149
decaf::lang::Long, 2501
decaf::lang::Number, 2919
decaf::lang::Short, 3543
decaf::util::concurrent::atomic::AtomicInteger, 751
floor
decaf::lang::Math, 2580
flush
activemq::commands::ConsumerControl, 1446
decaf::internal::io::StandardErrorOutputStream, 3688
decaf::internal::io::StandardOutputStream, 3691
decaf::io::BufferedOutputStream, 950
decaf::io::FilterOutputStream, 1960
decaf::io::Flushable, 1998
decaf::io::OutputStream, 2994
decaf::io::OutputStreamWriter, 3001

decaf::util::logging::Handler, 2043
decaf::util::logging::StreamHandler, 3759
FLUSH_FAILURE
decaf::util::logging::ErrorManager, 1885
FlushCommand
activemq::commands::FlushCommand, 2000
FlushCommandMarshaller
activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller, 2020
activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller, 2007
activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller, 2011
activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller, 2016
activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller, 2024
activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller, 2003
format
decaf::util::logging::Formatter, 2028
decaf::util::logging::SimpleFormatter, 3605
decaf::util::logging::XMLFormatter, 4173
FORMAT_FAILURE
decaf::util::logging::ErrorManager, 1886
formatId
activemq::commands::XATransactionId, 4147
formatMessage
decaf::util::logging::Formatter, 2028
Freq
deflate.h, 4623
freq
ct_data_s, 1571
fromStream
activemq::wireformat::stomp::StompFrame, 3743
fromString
decaf::util::UUID, 4084
front
decaf::util::StlQueue, 3726
FutureResponse
activemq::transport::correlator::FutureResponse, 2033

GeneralSecurityException
decaf::security::GeneralSecurityException, 2035, 2036
generateId
activemq::util::IdGenerator, 2053
generation
decaf::util::concurrent::ConditionHandle, 1291
GENERIC_FAILURE
decaf::util::logging::ErrorManager, 1886
GenericResource
decaf::internal::util::GenericResource, 2038
get
decaf::internal::nio::ByteArrayBuffer, 1024, 1025
decaf::internal::nio::CharArrayBuffer, 144
decaf::internal::nio::DoubleArrayBuffer, 862
decaf::internal::nio::FloatArrayBuffer, 982
decaf::internal::nio::IntArrayBuffer, 2127
decaf::internal::nio::LongArrayBuffer, 2519
decaf::internal::nio::ShortArrayBuffer, 3557
decaf::internal::util::ByteArrayAdapter, 988
decaf::lang::ArrayPointer, 740
decaf::lang::Pointer, 3037
decaf::nio::ByteBuffer, 1061, 1062
decaf::nio::CharBuffer, 1157, 1158
decaf::nio::DoubleBuffer, 1871, 1872
decaf::nio::FloatBuffer, 1991, 1992
decaf::nio::IntBuffer, 2136, 2137
decaf::nio::LongBuffer, 2528, 2529
decaf::nio::ShortBuffer, 3566, 3567
decaf::util::concurrent::atomic::AtomicBoolean, 747
decaf::util::concurrent::atomic::AtomicInteger, 751
decaf::util::concurrent::atomic::AtomicReference, 757
decaf::util::concurrent::ConcurrentStlMap, 1272, 1273
decaf::util::concurrent::Future, 2031
decaf::util::List, 2412
decaf::util::Map, 2543, 2544
decaf::util::StlList, 3703
decaf::util::StlMap, 3715, 3716
getAckHandler
activemq::commands::Message, 2602

getAckMode
activemq::commands::SessionInfo, 3507
getAcknowledgeMode
activemq::cmsutil::PooledSession, 3053
activemq::core::ActiveMQSession, 525
cms::Session, 3473
getAckType
activemq::commands::MessageAck, 2645
getAdditionalPredicate
activemq::commands::ConsumerInfo, 1504, 1505
getAddress
decaf::net::InetAddress, 2080
getAdler
decaf::util::zip::Deflater, 1764
decaf::util::zip::Inflater, 2091
getAlgorithm
decaf::security::Key, 2365
getAndAdd
decaf::util::concurrent::atomic::AtomicInteger, 751
getAndDecrement
decaf::util::concurrent::atomic::AtomicInteger, 752
getAndIncrement
decaf::util::concurrent::atomic::AtomicInteger, 752
getAndSet
decaf::util::concurrent::atomic::AtomicBoolean, 747
decaf::util::concurrent::atomic::AtomicInteger, 752
decaf::util::concurrent::atomic::AtomicReference, 758
getAnonymousLogger
decaf::util::logging::Logger, 2468
getAnyAddress
decaf::net::InetAddress, 2080
getAprPool
decaf::internal::AprPool, 736
getArrival
activemq::commands::Message, 2603
getAuthority
decaf::internal::net::URIType, 4066
decaf::net::URI, 4037
getBacklog
decaf::util::concurrent::ThreadPool, 3891
getBackOffMultiplier
activemq::core::policies::DefaultRedeliveryPolicy, 1731
activemq::core::RedeliveryPolicy, 3269
activemq::transport::failover::FailoverTransport, 1934
getBackup
activemq::transport::failover::BackupTransportPool, 763
getBackupPoolSize
activemq::transport::failover::BackupTransportPool, 763
activemq::transport::failover::FailoverTransport, 1934
getBasicConstraints
decaf::security::cert::X509Certificate, 4142
getBlockSize
decaf::util::concurrent::ThreadPool, 3891
getBody
activemq::wireformat::stomp::StompFrame, 3743
getBodyBytes
activemq::commands::ActiveMQBytesMessage, 220
cms::BytesMessage, 1083
getBodyLength
activemq::commands::ActiveMQBytesMessage, 220
activemq::wireformat::stomp::StompFrame, 3743
cms::BytesMessage, 1084
getBool
activemq::util::PrimitiveList, 3070
activemq::util::PrimitiveMap, 3082
activemq::util::PrimitiveValueNode, 3107
getBoolean
activemq::commands::ActiveMQMapMessage, 355
cms::MapMessage, 2554
getBooleanProperty
activemq::commands::ActiveMQMessageTemplate, 423
activemq::wireformat::openwire::utils::MessagePropertyInterceptor, 2820
cms::Message, 2620
getBranchQualifier
activemq::commands::XATransactionId, 4145
getBrokerId
activemq::commands::BrokerInfo, 905, 906
getBrokerInTime

activemq::commands::Message, 2603
getBrokerName
activemq::commands::BrokerInfo, 906
activemq::commands::DiscoveryEvent, 1814
getBrokerOutTime
activemq::commands::Message, 2603
getBrokerPath
activemq::commands::ConnectionInfo, 1395, 1396
activemq::commands::ConsumerInfo, 1505
activemq::commands::DestinationInfo, 1782
activemq::commands::Message, 2603
activemq::commands::ProducerInfo, 3187, 3188
getBrokerSequenceId
activemq::commands::MessageId, 2753
getBrokerUploadUrl
activemq::commands::BrokerInfo, 906
getBrokerURL
activemq::commands::BrokerInfo, 906
activemq::core::ActiveMQConnection, 269
activemq::core::ActiveMQConnectionFactory, 286
getByAddress
decaf::net::InetAddress, 2080, 2081
getByte
activemq::commands::ActiveMQMapMessage, 355
activemq::util::PrimitiveList, 3071
activemq::util::PrimitiveMap, 3083
activemq::util::PrimitiveValueNode, 3107
cms::MapMessage, 2554
getByteArray
activemq::util::PrimitiveList, 3071
activemq::util::PrimitiveMap, 3083
activemq::util::PrimitiveValueNode, 3108
decaf::internal::util::ByteArrayAdapter, 988
getByteProperty
activemq::commands::ActiveMQMessageTemplate, 424
activemq::wireformat::openwire::utils::MessagePropertyIntoSTLMap, 2820
cms::Message, 2621
getBytes
activemq::commands::ActiveMQMapMessage, 356
cms::MapMessage, 2555
getBytesRead
decaf::util::zip::Deflater, 1764
decaf::util::zip::Inflater, 2091
getBytesWritten
decaf::util::zip::Deflater, 1764
decaf::util::zip::Inflater, 2091
getCacheSize
activemq::commands::WireFormatInfo, 4097
activemq::wireformat::openwire::OpenWireFormat, 2976
getCapacity
decaf::internal::util::ByteArrayAdapter, 988
getCause
activemq::commands::BrokerError, 870
cms::CMSException, 1192
decaf::lang::Exception, 1890
decaf::lang::Throwable, 3897
getChar
activemq::commands::ActiveMQMapMessage, 356
activemq::util::PrimitiveList, 3072
activemq::util::PrimitiveMap, 3084
activemq::util::PrimitiveValueNode, 3108
cms::MapMessage, 2555
decaf::internal::nio::ByteArrayBuffer, 1025
decaf::internal::util::ByteArrayAdapter, 988
decaf::nio::ByteBuffer, 1063
getCharArray
decaf::internal::util::ByteArrayAdapter, 989
getCharCapacity
decaf::internal::util::ByteArrayAdapter, 989
getChecksum
decaf::util::zip::CheckedInputStream, 1171
decaf::util::zip::CheckedOutputStream, 1173
getCipherSuites
decaf::net::ssl::SSLParameters, 3660
getClientID
activemq::core::ActiveMQConnection, 269

cms::Connection, 1299
getClientId
activemq::commands::ActiveMQDestination, 317
activemq::commands::ConnectionInfo, 1396
activemq::commands::JournalTopicAck, 2254
activemq::commands::RemoveSubscriptionInfo, 3315, 3316
activemq::commands::SubscriptionInfo, 3784
activemq::core::ActiveMQConnectionFactory, 287
getCloseTimeout
activemq::core::ActiveMQConnection, 270
activemq::core::ActiveMQConnectionFactory, 287
getCluster
activemq::commands::Message, 2603
getCMSCorrelationID
activemq::commands::ActiveMQMessageTemplate, 424
cms::Message, 2622
getCMSDeliveryMode
activemq::commands::ActiveMQMessageTemplate, 424
cms::Message, 2622
getCMSDestination
activemq::commands::ActiveMQDestination, 317
activemq::commands::ActiveMQMessageTemplate, 425
activemq::commands::ActiveMQQueue, 482
activemq::commands::ActiveMQTempQueue, 609
activemq::commands::ActiveMQTempTopic, 639
activemq::commands::ActiveMQTopic, 699
cms::Message, 2623
getCMSExpiration
activemq::commands::ActiveMQMessageTemplate, 425
cms::Message, 2623
getCMSMajorVersion
activemq::core::ActiveMQConnectionMetaData, 294
cms::ConnectionMetaData, 1426
getCMSMessageID
activemq::commands::ActiveMQMessageTemplate, 425
cms::Message, 2624
getCMSMinorVersion
activemq::core::ActiveMQConnectionMetaData, 294
cms::ConnectionMetaData, 1427
getCMSPriority
activemq::commands::ActiveMQMessageTemplate, 426
cms::Message, 2625
getCMSProperties
activemq::commands::ActiveMQQueue, 482
activemq::commands::ActiveMQTempQueue, 610
activemq::commands::ActiveMQTempTopic, 639
activemq::commands::ActiveMQTopic, 700
cms::Destination, 1778
getCMSProviderName
activemq::core::ActiveMQConnectionMetaData, 295
cms::ConnectionMetaData, 1427
getCMSRedelivered
activemq::commands::ActiveMQMessageTemplate, 426
cms::Message, 2625
getCMSReplyTo
activemq::commands::ActiveMQMessageTemplate, 426
cms::Message, 2626
getCMSTimestamp
activemq::commands::ActiveMQMessageTemplate, 427
cms::Message, 2626
getCMSType
activemq::commands::ActiveMQMessageTemplate, 427
cms::Message, 2627
getCMSVersion
activemq::core::ActiveMQConnectionMetaData, 295
cms::ConnectionMetaData, 1427
getCMSXPropertyNames
activemq::core::ActiveMQConnectionMetaData, 295

cms::ConnectionMetaData, 1428
getCollisionAvoidancePercent
activemq::core::policies::DefaultRedeliveryPolicy, 1732
activemq::core::RedeliveryPolicy, 3270
getCommand
activemq::commands::ControlCommand, 1538
activemq::wireformat::stomp::StompFrame, 3744
getCommandId
activemq::commands::BaseCommand, 767
activemq::commands::Command, 1228
activemq::commands::PartialCommand, 3004
getCommands
activemq::state::TransactionState, 3991
getComponents
activemq::util::CompositeData, 1254
getConnectedBrokers
activemq::commands::ConnectionControl, 1303, 1304
getConnection
activemq::commands::Message, 2603
activemq::core::ActiveMQSession, 525
getConnectionFactory
activemq::cmsutil::CmsAccessor, 1186
getConnectionId
activemq::commands::BrokerInfo, 906
activemq::commands::ConnectionError, 1334
activemq::commands::ConnectionInfo, 1396
activemq::commands::ConsumerId, 1475
activemq::commands::DestinationInfo, 1782
activemq::commands::LocalTransactionId, 2423
activemq::commands::ProducerId, 3159
activemq::commands::RemoveSubscriptionInfo, 3316
activemq::commands::SessionId, 3479
activemq::commands::TransactionInfo, 3961, 3962
activemq::core::ActiveMQConnection, 270
getConnectionInfo
activemq::core::ActiveMQConnection, 270
getConsumerId
activemq::commands::ConsumerControl, 1443, 1444
activemq::commands::ConsumerInfo, 1505
activemq::commands::MessageAck, 2645
activemq::commands::MessageDispatch, 2681
activemq::commands::MessageDispatchNotification, 2718
activemq::commands::MessagePull, 2826
activemq::core::ActiveMQConsumer, 306
activemq::core::DispatchData, 1840
getConsumerInfo
activemq::core::ActiveMQConsumer, 306
getConsumerState
activemq::state::SessionState, 3537
getConsumerStates
activemq::state::SessionState, 3537
getContent
activemq::commands::Message, 2603, 2604
getContext
decaf::internal::net::ssl::DefaultSSLContext, 1744
getCorrelationId
activemq::commands::Message, 2604
activemq::commands::MessagePull, 2826
activemq::commands::Response, 3381
getCount
decaf::util::concurrent::CountDownLatch, 1568
getData
activemq::commands::DataArrayResponse, 1573, 1574
activemq::commands::DataResponse, 1633, 1634
activemq::commands::PartialCommand, 3004
getDataStructure
activemq::commands::Message, 2604
getDataStructureType
activemq::commands::ActiveMQBlobMessage, 187
activemq::commands::ActiveMQBytesMessage, 221
activemq::commands::ActiveMQDestination, 317

activemq::commands::ActiveMQMapMessage, 356
activemq::commands::ActiveMQMessage, 392
activemq::commands::ActiveMQObjectMessage, 440
activemq::commands::ActiveMQQueue, 482
activemq::commands::ActiveMQStreamMessage, 540
activemq::commands::ActiveMQTempDestination, 581
activemq::commands::ActiveMQTempQueue, 610
activemq::commands::ActiveMQTempTopic, 640
activemq::commands::ActiveMQTextMessage, 669
activemq::commands::ActiveMQTopic, 700
activemq::commands::BrokerError, 871
activemq::commands::BrokerId, 877
activemq::commands::BrokerInfo, 906
activemq::commands::ConnectionControl, 1304
activemq::commands::ConnectionError, 1334
activemq::commands::ConnectionId, 1367
activemq::commands::ConnectionInfo, 1396
activemq::commands::ConsumerControl, 1444
activemq::commands::ConsumerId, 1475
activemq::commands::ConsumerInfo, 1505
activemq::commands::ControlCommand, 1538
activemq::commands::DataArrayResponse, 1574
activemq::commands::DataResponse, 1634
activemq::commands::DataStructure, 1717
activemq::commands::DestinationInfo, 1782
activemq::commands::DiscoveryEvent, 1814
activemq::commands::ExceptionResponse, 1896
activemq::commands::FlushCommand, 2000
activemq::commands::IntegerResponse, 2161
activemq::commands::JournalQueueAck, 2226
activemq::commands::JournalTopicAck, 2254
activemq::commands::JournalTrace, 2282
activemq::commands::JournalTransaction, 2310
activemq::commands::KeepAliveInfo, 2337
activemq::commands::LastPartialCommand, 2373
activemq::commands::LocalTransactionId, 2423
activemq::commands::Message, 2604
activemq::commands::MessageAck, 2645
activemq::commands::MessageDispatch, 2681
activemq::commands::MessageDispatchNotification, 2718
activemq::commands::MessageId, 2753
activemq::commands::MessagePull, 2826
activemq::commands::NetworkBridgeFilter, 2879
activemq::commands::PartialCommand, 3004
activemq::commands::ProducerAck, 3126
activemq::commands::ProducerId, 3159
activemq::commands::ProducerInfo, 3188
activemq::commands::RemoveInfo, 3286
activemq::commands::RemoveSubscriptionInfo, 3316
activemq::commands::ReplayCommand, 3345
activemq::commands::Response, 3381
activemq::commands::SessionId, 3479
activemq::commands::SessionInfo, 3507
activemq::commands::ShutdownInfo, 3574
activemq::commands::SubscriptionInfo, 3784
activemq::commands::TransactionId, 3934
activemq::commands::TransactionInfo, 3962
activemq::commands::WireFormatInfo, 4098

activemq::commands::XATransactionId, 4145
activemq::wireformat::openwire::marshal::DataStructureMarshaller, 1668
activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller, 195
activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller, 240
activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller, 370
activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller, 398
activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller, 446
activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller, 492
activemq::wireformat::openwire::marshal::v1::ActiveMQTemporaryQueueMarshaller, 559
activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller, 617
activemq::wireformat::openwire::marshal::v1::ActiveMQTemporaryTopicMarshaller, 651
activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller, 681
activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller, 711
activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller, 888
activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller, 920
activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller, 1317
activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller, 1350
activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller, 1382
activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller, 1414
activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller, 1461
activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller, 1491
activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller, 1524
activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller, 1554
activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller, 1589
activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller, 1657
activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller, 1799
activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller, 1833
activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller, 1920
activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller, 2020
activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller, 2181
activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller, 2249
activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller, 2278
activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller, 2301
activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller, 2333
activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller, 2361
activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller, 2396
activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller, 2447
activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller, 2667
activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller, 2709
activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller, 2739
activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller, 2777
activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller, 2847
activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller, 2902
activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller, 3029
activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller, 3151
activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller, 3183
activemq::commands::XATransactionId, 3200
activemq::commands::LocalTransactionId, 3302
activemq::commands::ConsumerId, 3319
activemq::commands::ProducerId, 3353

activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller, 1448
activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller, 1478
activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller, 1511
activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller, 1541
activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller, 1576
activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller, 1645
activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller, 1786
activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller, 1821
activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller, 1903
activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller, 2007
activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller, 2168
activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller, 2233
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller, 2262
activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller, 2285
activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller, 2317
activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller, 2344
activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller, 2384
activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller, 2430
activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller, 2654
activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller, 2692
activemq::wireformat::openwire::marshal::v2::MessageDispatchNotification, 2726
activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller, 2756
activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller, 2830
activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller, 2882
activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller, 3011
activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller, 3410
activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller, 3502
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller, 3518
activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller, 3586
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller, 3792
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller, 3970
activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller, 4122
activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller, 4161
activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller, 204
activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller, 257
activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller, 383
activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller, 411
activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller, 459
activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller, 505
activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller, 571
activemq::wireformat::openwire::marshal::v2::ActiveMQTemporaryQueueMarshaller, 629
activemq::wireformat::openwire::marshal::v2::ActiveMQTemporaryTopicMarshaller, 659
activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller, 694
activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller, 724
activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller, 900
activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller, 933
activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller, 1329
activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller, 1337
activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller, 1370
activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller, 1401

activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller, 3130
activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller, 3162
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller, 3196
activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller, 3289
activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller, 3328
activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller, 3357
activemq::wireformat::openwire::marshal::v2::ResponseMarshaller, 3395
activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller, 3482
activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller, 3527
activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller, 3582
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller, 3808
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller, 3987
activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller, 4114
activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller, 4153
activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller, 191
activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller, 236
activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller, 366
activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller, 394
activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller, 442
activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller, 488
activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller, 554
activemq::wireformat::openwire::marshal::v3::ActiveMQTemporaryTopicMarshaller, 612
activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller, 642
activemq::wireformat::openwire::marshal::v3::ActiveMQTemporaryQueueMarshaller, 673
activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller, 703
activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller, 879
activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller, 912
activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller, 1308
activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller, 1342
activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller, 1374
activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller, 1405
activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller, 1452
activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller, 1482
activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller, 1515
activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller, 1545
activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller, 1580
activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller, 1649
activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller, 1790
activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller, 1825
activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller, 1908
activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller, 2012
activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller, 2172
activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller, 2241
activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller, 2266
activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller, 2289
activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller, 2321
activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller, 2348
activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller, 2379
activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller, 2435
activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller, 2658

activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller, 2696
activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageM 2730
activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarsh 2769
activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarsh 2838
activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMar 2894
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller, 3020
activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller, 3138
activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller, 3171
activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshall 3209
activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller, 3298
activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller, 3324
activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller, 3361
activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshalle 3405
activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller, 3498
activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller, 3523
activemq::wireformat::openwire::marshal::v4::ControlCommandMarshalle 3594
activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshal 3788
activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller, 3974
activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller, 4126
activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller, 4165
activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshal 199
activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller, 245
activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller, 374
activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshalle 403
activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller 450
activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller, 497
activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller, 563
activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller, 621
activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller, 647
activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller, 677
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller, 707
activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller, 883
activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller, 916
activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller, 1312
activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller, 1346
activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller, 1378
activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller, 1410
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller, 1457
activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller, 1487
activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller, 1520
activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller, 1549
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller, 1584
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller, 1653
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller, 1794
activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller, 1829
activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller, 1916
activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller, 2016
activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller, 2177
activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller, 2245
activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller, 2274

activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller, 2297
activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller, 2329
activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller, 2352
activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller, 2392
activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller, 2443
activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller, 2663
activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller, 2705
activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller, 2735
activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller, 2761
activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller, 2843
activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller, 2898
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller, 3025
activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller, 3134
activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller, 3167
activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller, 3192
activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller, 3310
activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller, 3341
activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller, 3348
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller, 3390
activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller, 3486
activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller, 3531
activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller, 3599
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller, 3800
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller, 3982
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller, 4118
activemq::wireformat::openwire::marshal::v4::XATransactionI
4157
activemq::wireformat::openwire::marshal::v5::ActiveMQBlob
208
activemq::wireformat::openwire::marshal::v5::ActiveMQByte
249
activemq::wireformat::openwire::marshal::v5::ActiveMQMap
379
activemq::wireformat::openwire::marshal::v5::ActiveMQMess
407
activemq::wireformat::openwire::marshal::v5::ActiveMQObje
455
activemq::wireformat::openwire::marshal::v5::ActiveMQQueu
501
activemq::wireformat::openwire::marshal::v5::ActiveMQStrea
567
activemq::wireformat::openwire::marshal::v5::ActiveMQTemp
625
activemq::wireformat::openwire::marshal::v5::ActiveMQTemp
655
activemq::wireformat::openwire::marshal::v5::ActiveMQTextl
686
activemq::wireformat::openwire::marshal::v5::ActiveMQTopic
715
activemq::wireformat::openwire::marshal::v5::BrokerIdMarsh
892
activemq::wireformat::openwire::marshal::v5::BrokerInfoMar
925
activemq::wireformat::openwire::marshal::v5::ConnectionCon
1321
activemq::wireformat::openwire::marshal::v5::ConnectionErro
1354
activemq::wireformat::openwire::marshal::v5::ConnectionIdM
1386
activemq::wireformat::openwire::marshal::v5::ConnectionInfo
1418
activemq::wireformat::openwire::marshal::v5::ConsumerCont
1465
activemq::wireformat::openwire::marshal::v5::ConsumerIdMa
1495
activemq::wireformat::openwire::marshal::v5::ConsumerInfoM
1528
activemq::wireformat::openwire::marshal::v5::ControlComma
1558
activemq::wireformat::openwire::marshal::v5::DataArrayResp
1593
activemq::wireformat::openwire::marshal::v5::DataResponseM
1636
activemq::wireformat::openwire::marshal::v5::DestinationInfo
1807

activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller, 1837
activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller, 1912
activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller, 2024
activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller, 2185
activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller, 2237
activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller, 2258
activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller, 2305
activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller, 2325
activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller, 2357
activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller, 2388
activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller, 2439
activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller, 2671
activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller, 2700
activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller, 2743
activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller, 2765
activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller, 2834
activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller, 2890
activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller, 3016
activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller, 3143
activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller, 3175
activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller, 3204
activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller, 3306
activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller, 3336
activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller, 3370
activemq::wireformat::openwire::marshal::v5::ResponseMarshaller, 3400
activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller, 3494
activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller, 3514
activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller, 3590
activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller, 3796
activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller, 3965
activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller, 4106
activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller, 4170
activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller, 212
activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller, 253
activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller, 387
activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller, 415
activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller, 463
activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller, 509
activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller, 576
activemq::wireformat::openwire::marshal::v6::ActiveMQTempQueueMarshaller, 634
activemq::wireformat::openwire::marshal::v6::ActiveMQTempTopicMarshaller, 664
activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller, 690
activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller, 720
activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller, 896
activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller, 929
activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller, 1325
activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller, 1359
activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller, 1390
activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller, 1422
activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller, 1469

activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller, 1499
activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller, 1532
activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller, 1562
activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller, 1597
activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller, 1640
activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller, 1803
activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller, 1816
activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller, 1899
activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller, 2003
activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller, 2164
activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller, 2229
activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller, 2270
activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller, 2293
activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller, 2312
activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller, 2340
activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller, 2375
activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller, 2426
activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller, 2650
activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller, 2713
activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller, 2722
activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller, 2773
activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller, 2851
activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller, 2886
activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller, 3007
activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller, 3147
activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller, 3179
activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller, 3213
activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller, 3293
activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller, 3332
activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller, 3365
activemq::wireformat::openwire::marshal::v6::ResponseMarshaller, 3415
activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller, 3490
activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller, 3510
activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller, 3577
activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller, 3804
activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller, 3978
activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller, 4110
activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller, 4148
getDefaultJournalTransactionMarshaller,
decaf::net::ServerSocketFactory, 3460
decaf::net::SocketFactory, 3633
decaf::net::ssl::SSLContext, 3654
decaf::net::ssl::SSLServerSocketFactory, 3669
decaf::net::ssl::SSLSocketFactory, 3681
getDefaultBacklog
decaf::net::ServerSocket, 3453
getDefaultCipherSuites
decaf::net::ssl::DefaultSSLServerSocketFactory, 1748
decaf::net::ssl::DefaultSSLSocketFactory, 1756
decaf::net::ssl::openssl::OpenSSLServerSocketFactory, 2939
decaf::net::ssl::openssl::OpenSSLSocketFactory, 2965
decaf::net::ssl::SSLServerSocketFactory, 3669
decaf::net::ssl::SSLSocketFactory, 3681
getDefaultDestination
activemq::cmsutil::MessageTemplate, 1206, 1207

getDefaultDestinationName
activemq::cmsutil::CmsTemplate, 1207
getDefaultSSLParameters
decaf::net::ssl::SSLContext, 3654
getDelay
decaf::util::concurrent::Delayed, 1775
getDeliveryMode
activemq::cmsutil::CachedProducer, 1103
activemq::cmsutil::CmsTemplate, 1207
activemq::core::ActiveMQProducer, 468
cms::MessageProducer, 2811
getDeliverySequenceId
activemq::commands::MessageDispatchNotification, 2718
getDestination
activemq::cmsutil::CmsTemplate::ProducerExecutor, 3156
activemq::cmsutil::CmsTemplate::ReceiveExecutor, 3266
activemq::cmsutil::CmsTemplate::ResolveProducer, 3373
activemq::cmsutil::CmsTemplate::ResolveReceiver, 3374
activemq::commands::ConsumerControl, 1444, 1445
activemq::commands::ConsumerInfo, 1505, 1506
activemq::commands::DestinationInfo, 1782, 1783
activemq::commands::JournalQueueAck, 2226, 2227
activemq::commands::JournalTopicAck, 2254, 2255
activemq::commands::Message, 2604, 2605
activemq::commands::MessageAck, 2645, 2646
activemq::commands::MessageDispatch, 2681
activemq::commands::MessageDispatchNotification, 2719
activemq::commands::MessagePull, 2826, 2827
activemq::commands::ProducerInfo, 3188
activemq::commands::SubscriptionInfo, 3784, 3785
getDestinationResolver
activemq::cmsutil::CmsDestinationAccessor, 1189
getDestinationType
activemq::commands::ActiveMQDestination, 318
activemq::commands::ActiveMQQueue, 482
activemq::commands::ActiveMQTempQueue, 610
activemq::commands::ActiveMQTempTopic, 640
activemq::commands::ActiveMQTopic, 700
cms::Destination, 1778
getDisableMessageID
activemq::cmsutil::CachedProducer, 1103
activemq::core::ActiveMQProducer, 469
cms::MessageProducer, 2811
getDisableMessageTimeStamp
activemq::cmsutil::CachedProducer, 1104
activemq::core::ActiveMQProducer, 469
cms::MessageProducer, 2812
getProducerExecutor,
activemq::commands::ActiveMQMapMessage, 356
activemq::util::PrimitiveList, 3072
activemq::util::PrimitiveMap, 3084
activemq::util::PrimitiveValueNode, 3108
cms::MapMessage, 2555
decaf::internal::nio::ByteArrayBuffer, 1026
decaf::internal::util::ByteArrayAdapter, 989
decaf::nio::ByteBuffer, 1063, 1064
getDoubleArray
decaf::internal::util::ByteArrayAdapter, 990
getDoubleAt
decaf::internal::util::ByteArrayAdapter, 990
getDoubleCapacity
decaf::internal::util::ByteArrayAdapter, 990
getDoubleProperty
activemq::commands::ActiveMQMessageTemplate, 427
activemq::wireformat::openwire::utils::MessagePropertyInterceptor, 2820
cms::Message, 2628
getDurableTopicPrefetch
activemq::core::policies::DefaultPrefetchPolicy, 1728
activemq::core::PrefetchPolicy, 3065

getEnabledCipherSuites
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2928
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2933
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2947
decaf::net::ssl::SSLServerSocket, 3665
decaf::net::ssl::SSLSocket, 3674
getEnabledProtocols
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2929
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2933
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2948
decaf::net::ssl::SSLServerSocket, 3665
decaf::net::ssl::SSLSocket, 3674
getEncoded
decaf::security::auth::x500::X500Principal, 4140
decaf::security::cert::Certificate, 1114
decaf::security::Key, 2365
getEnumeration
activemq::core::ActiveMQQueueBrowser, 485
cms::QueueBrowser, 3244
getenv
decaf::lang::System, 3843
getErrorCode
decaf::net::SocketError, 3627
getErrorManager
decaf::util::logging::Handler, 2043
getErrorString
decaf::internal::net::ssl::openssl::OpenSSLSocketImpl, 2958
decaf::net::SocketError, 3627
getException
activemq::commands::ConnectionError, 1334, 1335
activemq::commands::ExceptionResponse, 1897
getExceptionClass
activemq::commands::BrokerError, 871
getExceptionListener
activemq::core::ActiveMQConnection, 270
activemq::core::ActiveMQConnectionFactory, 287
activemq::core::ActiveMQSession, 526
cms::Connection, 1299
getExpiration
activemq::commands::Message, 2605
getFileDescriptor
decaf::net::SocketImpl, 3640
getFilter
decaf::util::logging::Handler, 2043
decaf::util::logging::Logger, 2468
getFirstMessageId
activemq::commands::MessageAck, 2646
getFirstNodeNumber
activemq::commands::ReplayCommand, 3346
getFloat
activemq::commands::ActiveMQMapMessage, 357
activemq::util::PrimitiveList, 3072
activemq::util::PrimitiveMap, 3085
activemq::util::PrimitiveValueNode, 3109
cms::MapMessage, 2556
decaf::internal::nio::ByteArrayBuffer, 1027
decaf::internal::util::ByteArrayAdapter, 991
decaf::nio::ByteBuffer, 1064, 1065
getFloatArray
decaf::internal::util::ByteArrayAdapter, 991
getFloatAt
decaf::internal::util::ByteArrayAdapter, 991
getFloatCapacity
decaf::internal::util::ByteArrayAdapter, 992
getFloatProperty
activemq::commands::ActiveMQMessageTemplate, 428
activemq::wireformat::openwire::utils::MessagePropertyInterc 2820
cms::Message, 2628
getFormat
decaf::security::Key, 2365
getFormatId
activemq::commands::XATransactionId, 4146
getFormatter
decaf::util::logging::Handler, 2044
getFragment
activemq::util::CompositeData, 1254
decaf::internal::net::URIType, 4066

decaf::net::URI, 4037
getFreeThreadCount
decaf::util::concurrent::ThreadPool, 3892
getGlobalPool
decaf::internal::AprPool, 736
decaf::internal::DecafRuntime, 1724
getGlobalTransactionId
activemq::commands::XATransactionId, 4146
getGroupID
activemq::commands::Message, 2605
getGroupSequence
activemq::commands::Message, 2605
getHandlers
decaf::util::logging::Logger, 2468
getHead
decaf::util::logging::Formatter, 2028
decaf::util::logging::XMLFormatter, 4173
getHoldCount
decaf::util::concurrent::locks::ReentrantLock, 3275
getHost
activemq::util::CompositeData, 1254
decaf::internal::net::URIType, 4066
decaf::net::URI, 4037
getHostAddress
decaf::net::InetAddress, 2081
getHostName
decaf::net::InetAddress, 2081
getHostname
activemq::util::IdGenerator, 2053
getId
activemq::state::TransactionState, 3991
decaf::lang::Thread, 3881
getIndex
decaf::net::URISyntaxException, 4063
getInetAddress
decaf::net::Socket, 3616
decaf::net::SocketImpl, 3640
getInfo
activemq::state::ConnectionState, 1431
activemq::state::ConsumerState, 1536
activemq::state::ProducerState, 3216
activemq::state::SessionState, 3537
getInitialDelayTime
activemq::transport::inactivity::InactivityMonitor, 2067
getInitialReconnectDelay
activemq::transport::failover::FailoverTransport, 1934
getInitialRedeliveryDelay
activemq::core::policies::DefaultRedeliveryPolicy, 1732
activemq::core::RedeliveryPolicy, 3270
getInput
decaf::net::URISyntaxException, 4063
getInputStream
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2948
decaf::internal::net::tcp::TcpSocket, 3856
decaf::net::Socket, 3616
decaf::net::SocketImpl, 3640
getInstance
activemq::transport::mock::MockTransport, 2857
activemq::transport::TransportRegistry, 4017
activemq::wireformat::WireFormatRegistry, 4131
decaf::util::concurrent::ThreadPool, 3892
decaf::util::logging::LogWriter, 2494
getInt
activemq::commands::ActiveMQMapMessage, 357
activemq::util::PrimitiveList, 3073
activemq::util::PrimitiveMap, 3085
activemq::util::PrimitiveValueNode, 3109
cms::MapMessage, 2556
decaf::internal::nio::ByteArrayBuffer, 1027, 1028
decaf::internal::util::ByteArrayAdapter, 992
decaf::nio::ByteBuffer, 1065
getIntArray
decaf::internal::util::ByteArrayAdapter, 992
getIntAt
decaf::internal::util::ByteArrayAdapter, 993
getIntCapacity
decaf::internal::util::ByteArrayAdapter, 993
getIntProperty
activemq::commands::ActiveMQMessageTemplate, 428
activemq::wireformat::openwire::utils::MessagePropertyInterceptor, 2821
cms::Message, 2629
getIssuerUniqueID

decaf::security::cert::X509Certificate, 4142
getIssuerX500Principal
decaf::security::cert::X509Certificate, 4142
getKeepAlive
decaf::net::Socket, 3616
getKey
decaf::util::Map::Entry, 1881
getKeyUsage
decaf::security::cert::X509Certificate, 4142
getLastDeliveredSequenceId
activemq::commands::RemoveInfo, 3286
activemq::core::ActiveMQConsumer, 306
activemq::core::ActiveMQSession, 526
getLastMessageId
activemq::commands::MessageAck, 2646
getLastNakNumber
activemq::commands::ReplayCommand, 3346
getLastSequenceId
activemq::util::LongSequenceGenerator, 2535
getLeastSignificantBits
decaf::util::UUID, 4084
getLevel
decaf::util::logging::Handler, 2044
decaf::util::logging::Logger, 2468
decaf::util::logging::LogRecord, 2489
getLimit
activemq::util::MemoryUsage, 2594
getList
activemq::util::PrimitiveValueNode, 3109
getLocalAddress
decaf::internal::net::tcp::TcpSocket, 3856
decaf::net::Socket, 3617
decaf::net::SocketImpl, 3640
getLocalHost
decaf::net::InetAddress, 2082
getLocalPort
decaf::net::ServerSocket, 3453
decaf::net::Socket, 3617
decaf::net::SocketImpl, 3641
getLogger
decaf::util::logging::Logger, 2469
decaf::util::logging::LogManager, 2484
getLoggerName
decaf::util::logging::LogRecord, 2489
getLoggerNames
decaf::util::logging::LogManager, 2484
getLogManager
decaf::util::logging::LogManager, 2485
getLong
activemq::commands::ActiveMQMapMessage, 358
activemq::util::PrimitiveList, 3073
activemq::util::PrimitiveMap, 3085
activemq::util::PrimitiveValueNode, 3109
cms::MapMessage, 2557
decaf::internal::nio::ByteArrayBuffer, 1028
decaf::internal::util::ByteArrayAdapter, 993
decaf::nio::ByteBuffer, 1066
getLongArray
decaf::internal::util::ByteArrayAdapter, 994
getLongAt
decaf::internal::util::ByteArrayAdapter, 994
getLongCapacity
decaf::internal::util::ByteArrayAdapter, 994
getLongProperty
activemq::commands::ActiveMQMessageTemplate, 429
activemq::wireformat::openwire::utils::MessagePropertyInterc 2821
cms::Message, 2629
getLoopbackAddress
decaf::net::InetAddress, 2082
getMagic
activemq::commands::WireFormatInfo, 4098
getManaged
decaf::internal::util::GenericResource, 2038
getMap
activemq::commands::ActiveMQMapMessage, 358
activemq::util::PrimitiveValueNode, 3110
getMapNames
activemq::commands::ActiveMQMapMessage, 358
cms::MapMessage, 2557
getMarshaledForm
activemq::commands::BaseDataStructure, 840

activemq::wireformat::MarshalAware, 2566
getMarshalledProperties
activemq::commands::Message, 2605
activemq::commands::WireFormatInfo, 4098
getMaxCacheSize
activemq::state::ConnectionStateTracker, 1435
activemq::transport::failover::FailoverTransport, 1934
getMaximumPendingMessageLimit
activemq::commands::ConsumerInfo, 1506
getMaximumRedeliveries
activemq::core::policies::DefaultRedeliveryPolicy, 1732
activemq::core::RedeliveryPolicy, 3270
getMaxInactivityDuration
activemq::commands::WireFormatInfo, 4098
activemq::wireformat::openwire::OpenWireFormat, 2976
getMaxInactivityDurationInitalDelay
activemq::commands::WireFormatInfo, 4098
getMaxInactivityDurationInitialDelay
activemq::wireformat::openwire::OpenWireFormat, 2976
getMaxPrefetchLimit
activemq::core::policies::DefaultPrefetchPolicy, 1728
activemq::core::PrefetchPolicy, 3065
getMaxReconnectAttempts
activemq::transport::failover::FailoverTransport, 1934
getMaxReconnectDelay
activemq::transport::failover::FailoverTransport, 1934
getMaxThreads
decaf::util::concurrent::ThreadPool, 3892
getMessage
activemq::cmsutil::CmsTemplate::ReceiveMessageTo, 3267
activemq::commands::BrokerError, 871
activemq::commands::JournalTrace, 2283
activemq::commands::MessageDispatch, 2681
activemq::core::DispatchData, 1840
cms::CMSException, 1192
decaf::lang::Exception, 1890
decaf::lang::Throwable, 3897
decaf::util::logging::LogRecord, 2489
getMessageAck
activemq::commands::JournalQueueAck, 2227
getMessageAvailableCount
activemq::core::ActiveMQConsumer, 306
getMessageCount
activemq::commands::MessageAck, 2646
getMessageId
activemq::commands::JournalTopicAck, 2255
activemq::commands::Message, 2605
activemq::commands::MessageDispatchNotification, 2719
activemq::commands::MessagePull, 2827
getMessageListener
activemq::cmsutil::CachedConsumer, 1099
activemq::core::ActiveMQConsumer, 306
cms::MessageConsumer, 2675
getMessageProperties
activemq::commands::Message, 2605
getMessageSelector
activemq::cmsutil::CachedConsumer, 1099
activemq::core::ActiveMQConsumer, 307
activemq::core::ActiveMQQueueBrowser, 485
cms::MessageConsumer, 2675
cms::QueueBrowser, 3244
getMessageSequenceId
activemq::commands::JournalTopicAck, 2255
getMetaData
activemq::core::ActiveMQConnection, 271
cms::Connection, 1299
getMimeType
activemq::commands::ActiveMQBlobMessage, 187
getMostSignificantBits
decaf::util::UUID, 4084
getName
activemq::commands::ActiveMQBlobMessage, 187

decaf::lang::Thread, 3882
decaf::security::auth::x500::X500Principal, 4140
decaf::security::Principal, 3115
decaf::util::logging::Level, 2406
decaf::util::logging::Logger, 2469
getNeedClientAuth
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2929
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2933
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2948
decaf::net::ssl::SSLParameters, 3660
decaf::net::ssl::SSLServerSocket, 3665
decaf::net::ssl::SSLSocket, 3675
getNetworkBrokerId
activemq::commands::NetworkBridgeFilter, 2879, 2880
getNetworkConsumerPath
activemq::commands::ConsumerInfo, 1506
getNetworkProperties
activemq::commands::BrokerInfo, 906, 907
getNetworkRuntime
decaf::internal::net::Network, 2876
getNetworkTTL
activemq::commands::NetworkBridgeFilter, 2880
getNextConsumerId
activemq::core::ActiveMQSession, 526
getNextLocalTransactionId
activemq::core::ActiveMQConnection, 271
getNextProducerId
activemq::core::ActiveMQSession, 526
getNextSequenceId
activemq::util::LongSequenceGenerator, 2535
getNextSessionId
activemq::core::ActiveMQConnection, 271
getNextTempDestinationId
activemq::core::ActiveMQConnection, 271
getNotAfter
decaf::security::cert::X509Certificate, 4142
getNotBefore
decaf::security::cert::X509Certificate, 4142
getNumReceivedMessageBeforeFail
activemq::transport::mock::MockTransport, 2858
getNumReceivedMessages
activemq::transport::mock::MockTransport, 2858
getNumSentKeepAlives
activemq::transport::mock::MockTransport, 2858
getNumSentKeepAlivesBeforeFail
activemq::transport::mock::MockTransport, 2858
getNumSentMessageBeforeFail
activemq::transport::mock::MockTransport, 2858
getNumSentMessages
activemq::transport::mock::MockTransport, 2858
getObjectId
activemq::commands::RemoveInfo, 3286
getOOBInline
decaf::net::Socket, 3617
getOperationType
activemq::commands::DestinationInfo, 1783
getOption
decaf::internal::net::tcp::TcpSocket, 3856
decaf::net::SocketImpl, 3641
getOptions
activemq::commands::ActiveMQDestination, 318
getOrderedTarget
activemq::commands::ActiveMQDestination, 318
getOriginalDestination
activemq::commands::Message, 2606
getOriginalTransactionId
activemq::commands::Message, 2606
getOutputStream
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2949
decaf::internal::net::tcp::TcpSocket, 3857
decaf::net::Socket, 3617
decaf::net::SocketImpl, 3641
getParameters
activemq::util::CompositeData, 1254
getParent
decaf::util::logging::Logger, 2469

getParentId
activemq::commands::ConsumerId, 1475
activemq::commands::ProducerId, 3160
activemq::commands::SessionId, 3479
getPassword
activemq::commands::ConnectionInfo, 1396, 1397
activemq::core::ActiveMQConnection, 271
activemq::core::ActiveMQConnectionFactory, 287
getPath
activemq::util::CompositeData, 1254
decaf::internal::net::URIType, 4066
decaf::net::URI, 4037
getPeerBrokerInfos
activemq::commands::BrokerInfo, 907
getPhysicalName
activemq::commands::ActiveMQDestination, 318
getPooledThreadListener
decaf::util::concurrent::PooledThread, 3057
getPoolSize
decaf::util::concurrent::ThreadPool, 3892
getPort
decaf::internal::net::URIType, 4066
decaf::net::Socket, 3618
decaf::net::SocketImpl, 3642
decaf::net::URI, 4037
getPreferedWireFormatInfo
activemq::wireformat::openwire::OpenWireFormat, 2976
getPrefetch
activemq::commands::ConsumerControl, 1445
getPrefetchPolicy
activemq::core::ActiveMQConnection, 272
activemq::core::ActiveMQConnectionFactory, 287
getPrefetchSize
activemq::commands::ConsumerInfo, 1506
getPreparedResult
activemq::state::TransactionState, 3991
getPriority
activemq::cmsutil::CachedProducer, 1104
activemq::cmsutil::CmsTemplate, 1207
activemq::commands::ConsumerInfo, 1506
activemq::commands::Message, 2606
activemq::core::ActiveMQProducer, 469
cms::MessageProducer, 2812
decaf::lang::Thread, 3882
getProducerId
activemq::commands::Message, 2606
activemq::commands::MessageId, 2753, 2754
activemq::commands::ProducerAck, 3127
activemq::commands::ProducerInfo, 3188
activemq::core::ActiveMQProducer, 469
getProducerInfo
activemq::core::ActiveMQProducer, 470
getProducerSequenceId
activemq::commands::MessageId, 2754
getProducerState
activemq::state::SessionState, 3537
getProducerStates
activemq::state::SessionState, 3537
activemq::state::TransactionState, 3991
getProducerWindowSize
activemq::core::ActiveMQConnection, 272
activemq::core::ActiveMQConnectionFactory, 288
getProperties
activemq::commands::WireFormatInfo, 4099
activemq::util::ActiveMQProperties, 476, 477
activemq::wireformat::stomp::StompFrame, 3744
decaf::lang::System, 3843
decaf::util::logging::LogManager, 2485
getProperty
activemq::util::ActiveMQProperties, 477
activemq::wireformat::stomp::StompFrame, 3744
cms::CMSProperties, 1197
decaf::lang::System, 3844
decaf::util::logging::LogManager, 2485
decaf::util::Properties, 3220
getPropertyNames
activemq::commands::ActiveMQMessageTemplate, 429
cms::Message, 2630
getProtocols
decaf::net::ssl::SSLParameters, 3660

getProviderMajorVersion
activemq::core::ActiveMQConnectionMetaData, 296
cms::ConnectionMetaData, 1428
getProviderMinorVersion
activemq::core::ActiveMQConnectionMetaData, 296
cms::ConnectionMetaData, 1428
getProviderVersion
activemq::core::ActiveMQConnectionMetaData, 296
cms::ConnectionMetaData, 1429
getPublicKey
decaf::security::cert::Certificate, 1114
getQuery
decaf::internal::net::URIType, 4067
decaf::net::URI, 4037
getQueue
activemq::core::ActiveMQQueueBrowser, 485
cms::QueueBrowser, 3245
getQueueBrowserPrefetch
activemq::core::policies::DefaultPrefetchPolicy, 1728
activemq::core::PrefetchPolicy, 3065
getQueueName
activemq::commands::ActiveMQQueue, 483
activemq::commands::ActiveMQTempQueue, 610
cms::Queue, 3239
cms::TemporaryQueue, 3872
getQueuePrefetch
activemq::core::policies::DefaultPrefetchPolicy, 1728
activemq::core::PrefetchPolicy, 3065
getRawAuthority
decaf::net::URI, 4037
getRawFragment
decaf::net::URI, 4038
getRawPath
decaf::net::URI, 4038
getRawQuery
decaf::net::URI, 4038
getRawSchemeSpecificPart
decaf::net::URI, 4038
getRawUserInfo
decaf::net::URI, 4039
getReadCheckTime
activemq::transport::inactivity::InactivityMonitor, 2067
getReason
decaf::net::URISyntaxException, 4063
getReceiveBufferSize
decaf::net::ServerSocket, 3453
decaf::net::Socket, 3618
getReceiveTimeout
activemq::cmsutil::CmsTemplate, 1207
getReconnectDelay
activemq::transport::failover::FailoverTransport, 1934
getReconnectTo
activemq::commands::ConnectionControl, 1304, 1305
getRecoveringPullConsumers
activemq::state::ConnectionState, 1431
getRedeliveryCounter
activemq::commands::Message, 2606
activemq::commands::MessageDispatch, 2681
getRedeliveryDelay
activemq::core::policies::DefaultRedeliveryPolicy, 1732
activemq::core::RedeliveryPolicy, 3270
getRedeliveryPolicy
activemq::core::ActiveMQConnection, 272
activemq::core::ActiveMQConnectionFactory, 288
activemq::core::ActiveMQConsumer, 307
getRemaining
decaf::util::zip::Inflater, 2091
getRemoteAddress
activemq::transport::failover::FailoverTransport, 1934
activemq::transport::IOTransport, 2216
activemq::transport::mock::MockTransport, 2858
activemq::transport::Transport, 3998
activemq::transport::TransportFilter, 4008
getRemoteBlobUrl
activemq::commands::ActiveMQBlobMessage, 187
getReplyTo
activemq::commands::Message, 2606
getResourceLifecycleManager
activemq::cmsutil::CmsAccessor, 1186
activemq::cmsutil::SessionPool, 3535

getResponse
activemq::transport::correlator::FutureResponse, 2033, 2034
getResult
activemq::commands::IntegerResponse, 2162
getReuseAddress
decaf::net::ServerSocket, 3454
decaf::net::Socket, 3618
getRuntime
decaf::lang::Runtime, 3420
getRuntimeLock
decaf::internal::net::Network, 2876
getSafeValue
decaf::util::StlQueue, 3726
getScheme
activemq::util::CompositeData, 1254
decaf::internal::net::URIType, 4067
decaf::net::URI, 4039
getSchemeSpecificPart
decaf::internal::net::URIType, 4067
decaf::net::URI, 4039
getSeedFromId
activemq::util::IdGenerator, 2053
getSelector
activemq::commands::ConsumerInfo, 1506
activemq::commands::SubscriptionInfo, 3785
getSendBufferSize
decaf::net::Socket, 3618
getSendTimeout
activemq::core::ActiveMQConnection, 272
activemq::core::ActiveMQConnectionFactory, 288
activemq::core::ActiveMQProducer, 470
getSequenceFromId
activemq::util::IdGenerator, 2053
getServerSocketFactory
decaf::net::ssl::SSLContext, 3654
getServiceName
activemq::commands::DiscoveryEvent, 1814
getSession
activemq::cmsutil::PooledSession, 3054
getSessionAcknowledgeMode
activemq::cmsutil::CmsAccessor, 1186
getSessionId
activemq::commands::ConsumerId, 1476
activemq::commands::ProducerId, 3160
activemq::commands::SessionInfo, 3507
activemq::core::ActiveMQSession, 526
getSessionInfo
activemq::core::ActiveMQSession, 527
getSessionState
activemq::state::ConnectionState, 1431
getSessionStates
activemq::state::ConnectionState, 1431
getShort
activemq::commands::ActiveMQMapMessage, 359
activemq::util::PrimitiveList, 3074
activemq::util::PrimitiveMap, 3086
activemq::util::PrimitiveValueNode, 3110
cms::MapMessage, 2557
decaf::internal::nio::ByteArrayBuffer, 1029
decaf::internal::util::ByteArrayAdapter, 994
decaf::nio::ByteBuffer, 1067
getShortArray
decaf::internal::util::ByteArrayAdapter, 995
getShortAt
decaf::internal::util::ByteArrayAdapter, 995
getShortCapacity
decaf::internal::util::ByteArrayAdapter, 996
getShortProperty
activemq::commands::ActiveMQMessageTemplate, 430
activemq::wireformat::openwire::utils::MessagePropertyInterceptor, 2821
cms::Message, 2630
getSigAlgName
decaf::security::cert::X509Certificate, 4142
getSigAlgOID
decaf::security::cert::X509Certificate, 4142
getSigAlgParams
decaf::security::cert::X509Certificate, 4142
getSignature
decaf::security::cert::X509Certificate, 4142
getSize

activemq::commands::ActiveMQTextMessage, 670
activemq::commands::Message, 2606
activemq::commands::ProducerAck, 3127
getSocketFactory
decaf::net::ssl::SSLContext, 3654
getSocketHandle
decaf::internal::net::tcp::TcpSocket, 3857
getSoLinger
decaf::net::Socket, 3619
getSoTimeout
decaf::net::ServerSocket, 3454
decaf::net::Socket, 3619
getSource
decaf::internal::net::URIType, 4067
getSourceFile
decaf::util::logging::LogRecord, 2489
getSourceFunction
decaf::util::logging::LogRecord, 2490
getSourceLine
decaf::util::logging::LogRecord, 2490
getSSLParameters
decaf::net::ssl::SSLSocket, 3675
getStackTrace
cms::CMSException, 1193
decaf::lang::Exception, 1891
decaf::lang::Throwable, 3897
getStackTraceElements
activemq::commands::BrokerError, 871
getStackTraceString
cms::CMSException, 1193
decaf::lang::Exception, 1891
decaf::lang::Throwable, 3898
getStartupMaxReconnectAttempts
activemq::transport::failover::FailoverTransport, 1934
getState
decaf::lang::Thread, 3882
getString
activemq::commands::ActiveMQMapMessage, 359
activemq::util::PrimitiveList, 3074
activemq::util::PrimitiveMap, 3086
activemq::util::PrimitiveValueNode, 3110
cms::MapMessage, 2558
getStringProperty
activemq::commands::ActiveMQMessageTemplate, 430
activemq::wireformat::openwire::utils::MessagePropertyIntersector, 2821
cms::Message, 2631
getSubcriptionName
activemq::commands::RemoveSubscriptionInfo, 3316
activemq::commands::SubscriptionInfo, 3785
getSubjectUniqueID
decaf::security::cert::X509Certificate, 4142
getSubjectX500Principal
decaf::security::cert::X509Certificate, 4142
getSubscribedDestination
activemq::commands::SubscriptionInfo, 3785
getSubscriptionName
activemq::commands::ConsumerInfo, 1506
getSubscritionName
activemq::commands::JournalTopicAck, 2255
getSupportedCipherSuites
decaf::internal::net::ssl::DefaultSSLServerSocketFactory, 1749
decaf::internal::net::ssl::DefaultSSLSocketFactory, 1756
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2929
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2933
decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactor 2940
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2949
decaf::internal::net::ssl::openssl::OpenSSLSocketFactory, 2965
decaf::net::ssl::SSLServerSocket, 3665
decaf::net::ssl::SSLServerSocketFactory, 3669
decaf::net::ssl::SSLSocket, 3675
decaf::net::ssl::SSLSocketFactory, 3681
getSupportedProtocols
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2929
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2933
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2949
decaf::net::ssl::SSLServerSocket, 3666
decaf::net::ssl::SSLSocket, 3675

getSupportedSSLParameters
decaf::net::ssl::SSLContext, 3655
getTail
decaf::util::logging::Formatter, 2029
decaf::util::logging::XMLFormatter, 4174
getTargetConsumerId
activemq::commands::Message, 2606, 2607
getTBSCertificate
decaf::security::cert::X509Certificate, 4142
getTcpNoDelay
decaf::net::Socket, 3619
getTempDesinations
activemq::state::ConnectionState, 1431
getText
activemq::commands::ActiveMQTextMessage, 670
cms::TextMessage, 3875
getThrown
decaf::util::logging::LogRecord, 2490
getTime
decaf::util::Date, 1721
getTimeout
activemq::commands::DestinationInfo, 1783
activemq::commands::MessagePull, 2827
activemq::transport::failover::FailoverTransport, 1935
getTimestamp
activemq::commands::Message, 2607
decaf::util::logging::LogRecord, 2490
getTimeToLive
activemq::cmsutil::CachedProducer, 1104
activemq::cmsutil::CmsTemplate, 1207
activemq::core::ActiveMQProducer, 470
cms::MessageProducer, 2813
getTopicName
activemq::commands::ActiveMQTempTopic, 640
activemq::commands::ActiveMQTopic, 700
cms::TemporaryTopic, 3874
cms::Topic, 3931
getTopicPrefetch
activemq::core::policies::DefaultPrefetchPolicy, 1728
activemq::core::PrefetchPolicy, 3065
getTrafficClass
decaf::net::Socket, 3620
getTransactionContext
activemq::core::ActiveMQSession, 527
getTransactionId
activemq::commands::JournalTopicAck, 2255
activemq::commands::JournalTransaction, 2310
activemq::commands::Message, 2607
activemq::commands::MessageAck, 2646
activemq::commands::TransactionInfo, 3962
activemq::core::ActiveMQTransactionContext, 729
getTransactionState
activemq::state::ConnectionState, 1431
activemq::state::ProducerState, 3216
getTransactionStates
activemq::state::ConnectionState, 1431
getTransport
activemq::core::ActiveMQConnection, 272
activemq::transport::failover::BackupTransport, 760
getTransportListener
activemq::transport::failover::FailoverTransport, 1935
activemq::transport::IOTransport, 2216
activemq::transport::mock::MockTransport, 2858
activemq::transport::Transport, 3998
activemq::transport::TransportFilter, 4008
getTransportNames
activemq::transport::TransportRegistry, 4017
getTreadId
decaf::util::logging::LogRecord, 2490
getType
activemq::commands::JournalTransaction, 2310
activemq::commands::Message, 2607
activemq::commands::TransactionInfo, 3962
activemq::util::PrimitiveValueNode, 3111
decaf::security::cert::Certificate, 1114
getUncaughtExceptionHandler
decaf::lang::Thread, 3882
getUnconsumedMessages
activemq::core::ActiveMQSessionExecutor, 534
getURI

activemq::transport::failover::URIPool, 4056
getUri
activemq::transport::failover::BackupTransport, 760
getUsage
activemq::util::MemoryUsage, 2594
getUseClientMode
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2929
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2950
decaf::net::ssl::SSLSocket, 3676
getUseParentHandlers
decaf::util::logging::Logger, 2469
getUserID
activemq::commands::Message, 2607
getUserInfo
decaf::internal::net::URIType, 4067
decaf::net::URI, 4039
getUserName
activemq::commands::ConnectionInfo, 1397
getUsername
activemq::core::ActiveMQConnection, 273
activemq::core::ActiveMQConnectionFactory, 288
getValue
activemq::commands::BrokerId, 877
activemq::commands::ConnectionId, 1367, 1368
activemq::commands::ConsumerId, 1476
activemq::commands::LocalTransactionId, 2423
activemq::commands::ProducerId, 3160
activemq::commands::SessionId, 3480
activemq::util::PrimitiveValueNode, 3111
decaf::internal::net::SocketFileDescriptor, 3635
decaf::util::Map::Entry, 1881
decaf::util::zip::Adler32, 731
decaf::util::zip::Checksum, 1175
decaf::util::zip::CRC32, 1569
getVersion
activemq::commands::WireFormatInfo, 4099
activemq::wireformat::openwire::OpenWireFormat, 2976
activemq::wireformat::stomp::StompWireFormat, 3752
activemq::wireformat::WireFormat, 4090
decaf::security::cert::X509Certificate, 4142
getWantClientAuth
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2929
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2934
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2950
decaf::net::ssl::SSLParameters, 3660
decaf::net::ssl::SSLServerSocket, 3666
decaf::net::ssl::SSLSocket, 3676
getWasPrepared
activemq::commands::JournalTransaction, 2310
getWhen
decaf::util::TimerTask, 3915
getWindowSize
activemq::commands::ProducerInfo, 3188
getWireFormat
activemq::transport::mock::MockTransport, 2858
getWireFormatNames
activemq::wireformat::WireFormatRegistry, 4131
getWriteCheckTime
activemq::transport::inactivity::InactivityMonitor, 2067
globalTransactionId
activemq::commands::XATransactionId, 4147
good_match
internal_state, 2191
groupID
activemq::commands::Message, 2613
groupSequence
activemq::commands::Message, 2613
GT_OFF
gzguts.h, 4625
GUNZIP
inflate.h, 4626
GZ_APPEND
gzguts.h, 4625
gz_header
zlib.h, 4636
gz_state
comm_max, 2039

comment, 2039
done, 2039
extra, 2039
extra_len, 2039
extra_max, 2039
hcrc, 2039
name, 2039
name_max, 2039
os, 2039
text, 2039
time, 2039
xflags, 2039
gz_headerp
zlib.h, 4636
GZ_NONE
gzguts.h, 4625
GZ_READ
gzguts.h, 4625
gz_state, 2039
direct, 2041
eof, 2041
err, 2041
fd, 2041
have, 2041
how, 2041
in, 2041
level, 2041
mode, 2041
msg, 2041
next, 2041
out, 2041
path, 2041
pos, 2041
raw, 2041
seek, 2041
size, 2041
skip, 2041
start, 2041
strategy, 2041
strm, 2041
want, 2041
gz_statep
gzguts.h, 4625
GZ_WRITE
gzguts.h, 4625
GZBUFSIZE
gzguts.h, 4625
gzFile
zlib.h, 4636
gzguts.h
COPY, 4625
GT_OFF, 4625
GZ_APPEND, 4625
GZ_NONE, 4625
GZ_READ, 4625
gz_statep, 4625
GZ_WRITE, 4625
GZBUFSIZE, 4625
GZIP, 4625
local, 4625
LOOK, 4625
OF, 4625
ZLIB_INTERNAL, 4625
zstrerror, 4625
gzhead
internal_state, 2191
gzindex
internal_state, 2191
GZIP
deflate.h, 4623
gzguts.h, 4625

Handler
decaf::util::logging::Handler, 2043
handleTransportFailure
activemq::transport::failover::FailoverTransport, 1935
hasArray
decaf::internal::nio::ByteArrayBuffer, 1030
decaf::internal::nio::CharArrayBuffer, 1144
decaf::internal::nio::DoubleArrayBuffer, 1862
decaf::internal::nio::FloatArrayBuffer, 1983
decaf::internal::nio::IntArrayBuffer, 2128
decaf::internal::nio::LongArrayBuffer, 2520
decaf::internal::nio::ShortArrayBuffer, 3557
decaf::nio::ByteBuffer, 1067
decaf::nio::CharBuffer, 1159
decaf::nio::DoubleBuffer, 1873
decaf::nio::FloatBuffer, 1993
decaf::nio::IntBuffer, 2138
decaf::nio::LongBuffer, 2530
decaf::nio::ShortBuffer, 3568
hash_bits
internal_state, 2191

hash_mask
internal_state, 2191
hash_shift
internal_state, 2191
hash_size
internal_state, 2191
hashCode
decaf::security::auth::x500::X500Principal, 4140
hasMoreMessages
activemq::core::ActiveMQQueueBrowser, 486
cms::MessageEnumeration, 2747
hasMoreTokens
decaf::util::StringTokenizer, 3780
hasNegotiator
activemq::wireformat::openwire::OpenWireFormat, 2977
activemq::wireformat::stomp::StompWireFormat, 3752
activemq::wireformat::WireFormat, 4090
hasNext
decaf::util::Iterator, 2223
hasPrevious
decaf::util::ListIterator, 2418
hasProperty
activemq::util::ActiveMQProperties, 4777
activemq::wireformat::stomp::StompFrame, 3744
cms::CMSProperties, 1198
decaf::util::Properties, 3220
hasRemaining
decaf::nio::Buffer, 940
hasUncomsumedMessages
activemq::core::ActiveMQSessionExecutor, 534
have
gz_state, 2041
inflate_state, 2087
HAVE_PTHREAD_H
activemq/util/Config.h, 4275
decaf/util/Config.h, 4275
HAVE_UUID_T
activemq/util/Config.h, 4275
decaf/util/Config.h, 4275
HAVE_UUID_UUID_H
activemq/util/Config.h, 4275
decaf/util/Config.h, 4275
havedict
inflate_state, 2087
HCRC
inflate.h, 4627
hcrc
gz_header_s, 2039
HCRC_STATE
deflate.h, 4623
HEAD
inflate.h, 4626
head
inflate_state, 2087
internal_state, 2191
HEADER_ACK
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_CLIENT_ID
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_CONSUMERPRIORITY
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_CONTENTLENGTH
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_CORRELATIONID
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_DESTINATION
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_DISPATCH_ASYNC
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_EXCLUSIVE
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_EXPIRES
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_ID
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_JMSPRIORITY
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_LOGIN
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_MAXPENDINGMSGLIMIT
activemq::wireformat::stomp::StompCommandConstants, 3740

HEADER_MESSAGE
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_MESSAGEID
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_NOLOCAL
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_OLDSUBSCRIPTIONNAME
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_PASSWORD
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_PERSISTENT
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_PREFETCHSIZE
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_RECEIPT_REQUIRED
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_RECEIPTID
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_REDELIVERED
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_REDELIVERYCOUNT
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_REPLYTO
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_REQUESTID
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_RESPONSEID
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_RETROACTIVE
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_SELECTOR
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_SESSIONID
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_SUBSCRIPTION
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_SUBSCRIPTIONNAME
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_TIMESTAMP
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_TRANSACTIONID
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_TRANSFORMATION
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_TRANSFORMATION_ERROR
activemq::wireformat::stomp::StompCommandConstants, 3740
HEADER_TYPE
activemq::wireformat::stomp::StompCommandConstants, 3740
heap
internal_state, 2191
heap_len
internal_state, 2191
heap_max
internal_state, 2191
HEAP_SIZE
deflate.h, 4623
HexStringParser
decaf::internal::util::HexStringParser, 2047
HexTable
activemq::wireformat::openwire::utils::HexTable, 2048
high_water
internal_state, 2191
highestOneBit
decaf::lang::Integer, 2149
decaf::lang::Long, 2501
hold
inflate_state, 2087
hostname
decaf::net::InetAddress, 2085
HOURS
decaf::util::concurrent::TimeUnit, 3929
how
gz_state, 2041

HttpRetryException
decaf::net::HttpRetryException, 2050, 2051
HUFFMAN_ONLY
decaf::util::zip::Deflater, 1769
ID_ACTIVEMQBLOBMESSAGE
activemq::commands::ActiveMQBlobMessage, 189
ID_ACTIVEMQBYTESMESSAGE
activemq::commands::ActiveMQBytesMessage, 234
ID_ACTIVEMQDESTINATION
activemq::commands::ActiveMQDestination, 323
ID_ACTIVEMQMAPMESSAGE
activemq::commands::ActiveMQMapMessage, 364
ID_ACTIVEMQMESSAGE
activemq::commands::ActiveMQMessage, 392
ID_ACTIVEMQOBJECTMESSAGE
activemq::commands::ActiveMQObjectMessage, 440
ID_ACTIVEMQQUEUE
activemq::commands::ActiveMQQueue, 483
ID_ACTIVEMQSTREAMMESSAGE
activemq::commands::ActiveMQStreamMessage, 553
ID_ACTIVEMQTEMPDESTINATION
activemq::commands::ActiveMQTempDestination, 582
ID_ACTIVEMQTEMPQUEUE
activemq::commands::ActiveMQTempQueue, 611
ID_ACTIVEMQTEMPTOPIC
activemq::commands::ActiveMQTempTopic, 641
ID_ACTIVEMQTEXTMESSAGE
activemq::commands::ActiveMQTextMessage, 671
ID_ACTIVEMQTOPIC
activemq::commands::ActiveMQTopic, 701
ID_BROKERID
activemq::commands::BrokerId, 878
ID_BROKERINFO
activemq::commands::BrokerInfo, 910
ID_CONNECTIONCONTROL
activemq::commands::ConnectionControl, 1306
ID_CONNECTIONERROR
activemq::commands::ConnectionError, 1336
ID_CONNECTIONID
activemq::commands::ConnectionId, 1368
ID_CONNECTIONINFO
activemq::commands::ConnectionInfo, 1399
ID_CONSUMERCONTROL
activemq::commands::ConsumerControl, 1446
ID_CONSUMERID
activemq::commands::ConsumerId, 1476
ID_CONSUMERINFO
activemq::commands::ConsumerInfo, 1509
ID_CONTROLCOMMAND
activemq::commands::ControlCommand, 1539
ID_DATAARRAYRESPONSE
activemq::commands::DataArrayResponse, 1574
ID_DATARESPONSE
activemq::commands::DataResponse, 1634
ID_DESTINATIONINFO
activemq::commands::DestinationInfo, 1784
ID_DISCOVERYEVENT
activemq::commands::DiscoveryEvent, 1815
ID_EXCEPTIONRESPONSE
activemq::commands::ExceptionResponse, 1897
ID_FLUSHCOMMAND
activemq::commands::FlushCommand, 2001
ID_INTEGERRESPONSE
activemq::commands::IntegerResponse, 2162
ID_JOURNALQUEUEACK
activemq::commands::JournalQueueAck, 2227
ID_JOURNALTOPICACK
activemq::commands::JournalTopicAck, 2256
ID_JOURNALTRACE

activemq::commands::JournalTrace, 2283
ID_JOURNALTRANSACTION
activemq::commands::JournalTransaction, 2311
ID_KEEPALIVEINFO
activemq::commands::KeepAliveInfo, 2338
ID_LASTPARTIALCOMMAND
activemq::commands::LastPartialCommand, 2373
ID_LOCALTRANSACTIONID
activemq::commands::LocalTransactionId, 2424
ID_MESSAGE
activemq::commands::Message, 2613
ID_MESSAGEACK
activemq::commands::MessageAck, 2648
ID_MESSAGEDISPATCH
activemq::commands::MessageDispatch, 2683
ID_MESSAGEDISPATCHNOTIFICATION
activemq::commands::MessageDispatchNotification, 2720
ID_MESSAGEID
activemq::commands::MessageId, 2755
ID_MESSAGEPULL
activemq::commands::MessagePull, 2828
ID_NETWORKBRIDGEFILTER
activemq::commands::NetworkBridgeFilter, 2880
ID_PARTIALCOMMAND
activemq::commands::PartialCommand, 3005
ID_PRODUCERACK
activemq::commands::ProducerAck, 3128
ID_PRODUCERID
activemq::commands::ProducerId, 3161
ID_PRODUCERINFO
activemq::commands::ProducerInfo, 3190
ID_REMOVEINFO
activemq::commands::RemoveInfo, 3287
ID_REMOVESUBSCRIPTIONINFO
activemq::commands::RemoveSubscriptionInfo, 3318
ID_REPLAYCOMMAND
activemq::commands::ReplayCommand, 3347
ID_RESPONSE
activemq::commands::Response, 3382
ID_SESSIONID
activemq::commands::SessionId, 3480
ID_SESSIONINFO
activemq::commands::SessionInfo, 3508
ID_SHUTDOWNINFO
activemq::commands::ShutdownInfo, 3576
ID_SUBSCRIPTIONINFO
activemq::commands::SubscriptionInfo, 3786
ID_TRANSACTIONID
activemq::commands::TransactionId, 3935
ID_TRANSACTIONINFO
activemq::commands::TransactionInfo, 3964
ID_WIREFORMATINFO
activemq::commands::WireFormatInfo, 4104
ID_XATRANSACTIONID
activemq::commands::XATransactionId, 4147
IDGenerator
activemq::util::IdGenerator, 2053
IllegalArgumentException
decaf::lang::exceptions::IllegalArgumentException, 2055, 2056
IllegalMonitorStateException
decaf::lang::exceptions::IllegalMonitorStateException, 2057, 2058
IllegalStateException
cms::IllegalStateException, 2060
decaf::lang::exceptions::IllegalStateException, 2061, 2062
IllegalThreadStateException
decaf::lang::exceptions::IllegalThreadStateException, 2064, 2065
impl
decaf::net::Socket, 3625
implAccept
decaf::net::ServerSocket, 3454
in
decaf::io::FileDescriptor, 1949
in_state, 2041
InactivityMonitor
activemq::transport::inactivity::InactivityMonitor, 2067
increaseUsage
activemq::util::MemoryUsage, 2595
activemq::util::Usage, 4077
incrementAndGet

decaf::util::concurrent::atomic::AtomicInteger, 752
indexOf
decaf::util::List, 2412
decaf::util::StlList, 3703
IndexOutOfBoundsException
decaf::lang::exceptions::IndexOutOfBoundsException, 2070, 2071
INDIVIDUAL_ACKNOWLEDGE
cms::Session, 3464
Inet4Address
decaf::net::Inet4Address, 2073
Inet6Address
decaf::net::Inet6Address, 2077
InetAddress
decaf::net::Inet4Address, 2076
decaf::net::Inet6Address, 2077
decaf::net::InetAddress, 2080
InetSocketAddress
decaf::net::InetSocketAddress, 2085
inffast.h
OF, 4626
inflate
decaf::util::zip::Inflater, 2092, 2093
inflate.h
BAD, 4627
CHECK, 4627
CODELENS, 4627
COMMENT, 4627
COPY, 4627
COPY_, 4627
DICT, 4627
DICTID, 4627
DIST, 4627
DISTEXT, 4627
DONE, 4627
EXLEN, 4626
EXTRA, 4627
FLAGS, 4626
GUNZIP, 4626
HCRC, 4627
HEAD, 4626
inflate_mode, 4626
LEN, 4627
LEN_, 4627
LENEXT, 4627
LENGTH, 4627
LENLENS, 4627
LIT, 4627
MATCH, 4627
MEM, 4627
NAME, 4627
OS, 4626
STORED, 4627
SYNC, 4627
TABLE, 4627
TIME, 4626
TYPE, 4627
TYPEDO, 4627
inflate_mode
inflate.h, 4626
inflate_state, 2085
back, 2087
bits, 2087
check, 2087
codes, 2087
distbits, 2087
distcode, 2087
dmax, 2087
extra, 2087
flags, 2087
have, 2087
havedict, 2087
head, 2087
hold, 2087
last, 2087
lenbits, 2087
lencode, 2087
length, 2087
lens, 2087
mode, 2087
ncode, 2087
ndist, 2087
next, 2087
nlen, 2087
offset, 2087
sane, 2087
total, 2087
was, 2087
wbits, 2087
whave, 2087
window, 2087
wnext, 2087
work, 2087
wrap, 2087
wsize, 2087
inflateBackInit
zlib.h, 4635
inflateInit
zlib.h, 4635

inflateInit2
zlib.h, 4636
Inflater
decaf::util::zip::Inflater, 2090
inflater
decaf::util::zip::InflaterInputStream, 2105
InflaterInputStream
decaf::util::zip::InflaterInputStream, 2100
INFO
decaf::util::logging::Level, 2408
Info
decaf::util::logging, 156
info
decaf::util::logging::Logger, 2470
decaf::util::logging::SimpleLogger, 3606
inftrees.h
CODES, 4628
codetype, 4628
DISTS, 4628
ENOUGH, 4628
ENOUGH_DISTS, 4628
ENOUGH_LENS, 4628
LENS, 4628
OF, 4628
INHERIT
decaf::util::logging::Level, 2408
init
activemq::cmsutil::CmsAccessor, 1186
activemq::cmsutil::CmsDestinationAccessor, 1189
activemq::cmsutil::CmsTemplate, 1207
activemq::cmsutil::DestinationResolver, 1811
activemq::cmsutil::DynamicDestinationResolver, 1879
INIT_STATE
deflate.h, 4623
initCause
decaf::lang::Exception, 1891
decaf::lang::Throwable, 3898
initializeLibrary
activemq::library::ActiveMQCPP, 311
initializeNetworking
decaf::internal::net::Network, 2877
initializeRuntime
decaf::lang::Runtime, 3420
initSocketImpl
decaf::net::Socket, 3620
inProgressClearRequired
activemq::core::ActiveMQConsumer, 307
InputStream
decaf::io::InputStream, 2107
inputStream
decaf::io::FilterInputStream, 1957
InputStreamReader
decaf::io::InputStreamReader, 2117
inReceive
activemq::wireformat::openwire::OpenWireFormat, 2977
activemq::wireformat::stomp::StompWireFormat, 3753
activemq::wireformat::WireFormat, 4090
ins_h
internal_state, 2191
insert
decaf::internal::util::TimerTaskHeap, 3918
IntArrayBuffer
decaf::internal::nio::IntArrayBuffer, 2123, 2124
intBitsToFloat
decaf::lang::Float, 1967
IntBuffer
decaf::nio::IntBuffer, 2133
Integer
decaf::lang::Integer, 2146
INTEGER_TYPE
activemq::util::PrimitiveValueNode, 3104
IntegerResponse
activemq::commands::IntegerResponse, 2161
IntegerResponseMarshaller
activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller, 2181
activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller, 2168
activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller, 2172
activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller, 2177
activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller, 2185
activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller, 2164
internal_state, 2188
bi_buf, 2191
bi_valid, 2191
bl_count, 2191

bl_desc, 2191
bl_tree, 2191
block_start, 2191
d_buf, 2191
d_desc, 2191
depth, 2191
dummy, 2191
dyn_dtree, 2191
dyn_ltree, 2191
good_match, 2191
gzhead, 2191
gzindex, 2191
hash_bits, 2191
hash_mask, 2191
hash_shift, 2191
hash_size, 2191
head, 2191
heap, 2191
heap_len, 2191
heap_max, 2191
high_water, 2191
ins_h, 2191
l_buf, 2191
l_desc, 2191
last_eob_len, 2191
last_flush, 2191
last_lit, 2191
level, 2191
lit_bufsize, 2191
lookahead, 2191
match_available, 2191
match_length, 2191
match_start, 2191
matches, 2191
max_chain_length, 2191
max_lazy_match, 2191
method, 2191
nice_match, 2191
opt_len, 2191
pending, 2191
pending_buf, 2191
pending_buf_size, 2191
pending_out, 2191
prev, 2191
prev_length, 2191
prev_match, 2191
static_len, 2191
status, 2191
strategy, 2191
strm, 2191
strstart, 2191
w_bits, 2191
w_mask, 2191
w_size, 2191
window, 2191
window_size, 2191
wrap, 2191
InternalCommandListener
activemq::transport::mock::InternalCommandListener, 2193
InterruptedException
decaf::lang::exceptions::InterruptedException, 2194, 2195
InterruptedIOException
decaf::io::InterruptedIOException, 2197, 2198
intf
zconf.h, 4632
intValue
activemq::util::PrimitiveValueNode::PrimitiveValue, 3098
decaf::lang::Byte, 974
decaf::lang::Character, 1131
decaf::lang::Double, 1847
decaf::lang::Float, 1968
decaf::lang::Integer, 2150
decaf::lang::Long, 2501
decaf::lang::Number, 2920
decaf::lang::Short, 3543
decaf::util::concurrent::atomic::AtomicInteger, 752
decaf::util::logging::Level, 2406
InvalidClientIdException
cms::InvalidClientIdException, 2200
InvalidDestinationException
cms::InvalidDestinationException, 2201
InvalidKeyException
decaf::security::InvalidKeyException, 2202, 2203
InvalidMarkException
decaf::nio::InvalidMarkException, 2204, 2205
InvalidSelectorException
cms::InvalidSelectorException, 2207
InvalidStateException
decaf::lang::exceptions::InvalidStateException, 2208, 2209
IOException
decaf::io::IOException, 2211, 2212
IOTransport

activemq::transport::IOTransport, 2215
IPos
deflate.h, 4623
isAbsolute
decaf::internal::net::URIType, 4068
decaf::net::URI, 4039
isAdvisory
activemq::commands::ActiveMQDestination, 319
isAlive
decaf::lang::Thread, 3882
isAlwaysSyncSend
activemq::core::ActiveMQConnection, 273
activemq::core::ActiveMQConnectionFactory, 289
isAnyLocalAddress
decaf::net::Inet4Address, 2073
decaf::net::InetAddress, 2082
isAutoAcknowledge
activemq::core::ActiveMQSession, 527
isBackup
activemq::transport::failover::FailoverTransport, 1935
isBound
decaf::net::ServerSocket, 3454
decaf::net::Socket, 3620
isBrokerInfo
activemq::commands::BaseCommand, 767
activemq::commands::BrokerInfo, 907
activemq::commands::Command, 1228
isBrokerMasterConnector
activemq::commands::ConnectionInfo, 1397
isBrowser
activemq::commands::ConsumerInfo, 1506
isBusy
decaf::util::concurrent::PooledThread, 3057
isCacheEnabled
activemq::commands::WireFormatInfo, 4099
activemq::wireformat::openwire::OpenWireFormat, 2977
isCancelled
decaf::util::concurrent::Future, 2032
isClientAcknowledge
activemq::core::ActiveMQSession, 527
isClientMaster
activemq::commands::ConnectionInfo, 1397
isClose
activemq::commands::ConnectionControl, 1305
activemq::commands::ConsumerControl, 1445
isClosed
activemq::core::ActiveMQConnection, 273
activemq::core::ActiveMQConsumer, 307
activemq::core::ActiveMQProducer, 470
activemq::core::MessageDispatchChannel, 2686
activemq::transport::failover::BackupTransport, 760
activemq::transport::failover::FailoverTransport, 1935
activemq::transport::IOTransport, 2216
activemq::transport::mock::MockTransport, 2859
activemq::transport::tcp::TcpTransport, 3868
activemq::transport::Transport, 3998
activemq::transport::TransportFilter, 4008
decaf::internal::net::tcp::TcpSocket, 3857
decaf::io::FilterInputStream, 1955
decaf::io::FilterOutputStream, 1960
decaf::net::ServerSocket, 3455
decaf::net::Socket, 3620
isComposite
activemq::commands::ActiveMQDestination, 319
isCompressed
activemq::commands::Message, 2607
isConnected
activemq::transport::failover::FailoverTransport, 1935
activemq::transport::IOTransport, 2216
activemq::transport::mock::MockTransport, 2859
activemq::transport::tcp::TcpTransport, 3868
activemq::transport::Transport, 3998
activemq::transport::TransportFilter, 4008
decaf::internal::net::tcp::TcpSocket, 3857
decaf::net::Socket, 3620
isConnectionAdvisory

activemq::commands::ActiveMQDestination, 319
isConnectionInfo
activemq::commands::BaseCommand, 768
activemq::commands::Command, 1228
activemq::commands::ConnectionInfo, 1397
isConnectionInterruptProcessingComplete
activemq::state::ConnectionState, 1432
isConsumerAdvisory
activemq::commands::ActiveMQDestination, 319
isConsumerInfo
activemq::commands::BaseCommand, 768
activemq::commands::Command, 1229
activemq::commands::ConsumerInfo, 1506
isDeletedByBroker
activemq::commands::ActiveMQBlobMessage, 188
isDigit
decaf::lang::Character, 1131
isDispatchAsync
activemq::commands::ConsumerInfo, 1506
activemq::commands::ProducerInfo, 3188
activemq::core::ActiveMQConnection, 273
activemq::core::ActiveMQConnectionFactory, 289
isDone
decaf::util::concurrent::Future, 2032
decaf::util::zip::DeflaterOutputStream, 1774
isDroppable
activemq::commands::Message, 2607
isDuplexConnection
activemq::commands::BrokerInfo, 907
isDupsOkAcknowledge
activemq::core::ActiveMQSession, 527
isEmpty
activemq::core::ActiveMQSessionExecutor, 534
activemq::core::MessageDispatchChannel, 2686
activemq::util::ActiveMQProperties, 478
cms::CMSProperties, 1198
decaf::internal::util::TimerTaskHeap, 3918
decaf::lang::String, 3777
decaf::util::AbstractCollection, 166
decaf::util::Collection, 1223
decaf::util::concurrent::ConcurrentStlMap, 1273
decaf::util::concurrent::SynchronousQueue, 3833
decaf::util::Map, 2545
decaf::util::Properties, 3220
decaf::util::StlList, 3704
decaf::util::StlMap, 3716
decaf::util::StlSet, 3736
isEnabled
activemq::transport::failover::BackupTransportPool, 763
isExclusive
activemq::commands::ActiveMQDestination, 319
activemq::commands::ConsumerInfo, 1507
isExit
activemq::commands::ConnectionControl, 1305
isExpired
activemq::commands::Message, 2607
isExplicitQosEnabled
activemq::cmsutil::CmsTemplate, 1207
isFailOnClose
activemq::transport::mock::MockTransport, 2859
isFailOnKeepAliveSends
activemq::transport::mock::MockTransport, 2859
isFailOnReceiveMessage
activemq::transport::mock::MockTransport, 2859
isFailOnSendMessage
activemq::transport::mock::MockTransport, 2859
isFailOnStart
activemq::transport::mock::MockTransport, 2859
isFailOnStop
activemq::transport::mock::MockTransport, 2859
isFair
decaf::util::concurrent::locks::ReentrantLock, 3275

decaf::util::concurrent::Semaphore, 3441
isFaultTolerant
activemq::commands::ConnectionControl, 1305
activemq::commands::ConnectionInfo, 1397
activemq::transport::failover::FailoverTransport, 1936
activemq::transport::IOTransport, 2216
activemq::transport::mock::MockTransport, 2859
activemq::transport::tcp::TcpTransport, 3868
activemq::transport::Transport, 3999
activemq::transport::TransportFilter, 4009
isFaultTolerantConfiguration
activemq::commands::BrokerInfo, 908
isFlush
activemq::commands::ConsumerControl, 1445
isFull
activemq::util::MemoryUsage, 2595
activemq::util::Usage, 4077
isHeldByCurrentThread
decaf::util::concurrent::locks::ReentrantLock, 3275
isIndividualAcknowledge
activemq::core::ActiveMQSession, 527
isInfinite
decaf::lang::Double, 1847
decaf::lang::Float, 1968
isInitialized
activemq::transport::failover::FailoverTransport, 1936
isInputShutdown
decaf::net::Socket, 3620
isInTransaction
activemq::core::ActiveMQTransactionContext, 729
isISOControl
decaf::lang::Character, 1131
isKeepAliveInfo
activemq::commands::BaseCommand, 768
activemq::commands::Command, 1229
activemq::commands::KeepAliveInfo, 2337
isKeepAliveResponseRequired
activemq::transport::inactivity::InactivityMonitor, 2067
isLetter
decaf::lang::Character, 1131
isLetterOrDigit
decaf::lang::Character, 1131
isLinkLocalAddress
decaf::net::Inet4Address, 2074
decaf::net::InetAddress, 2082
isLocked
decaf::util::concurrent::Lock, 2451
decaf::util::concurrent::locks::ReentrantLock, 3276
isLoggable
decaf::util::logging::Filter, 1950
decaf::util::logging::Handler, 2044
decaf::util::logging::Logger, 2470
decaf::util::logging::StreamHandler, 3759
isLoopbackAddress
decaf::net::Inet4Address, 2074
decaf::net::InetAddress, 2082
isLowerCase
decaf::lang::Character, 1131
isManageable
activemq::commands::ConnectionInfo, 1398
isMarshalAware
activemq::commands::ActiveMQMapMessage, 359
activemq::commands::BaseDataStructure, 840
activemq::commands::Message, 2607
activemq::commands::WireFormatInfo, 4099
activemq::wireformat::MarshalAware, 2566
isMasterBroker
activemq::commands::BrokerInfo, 908
isMCGlobal
decaf::net::Inet4Address, 2074
decaf::net::InetAddress, 2083
isMCLinkLocal
decaf::net::Inet4Address, 2074
decaf::net::InetAddress, 2083
isMCNodeLocal
decaf::net::Inet4Address, 2074
decaf::net::InetAddress, 2083
isMCOrgLocal
decaf::net::Inet4Address, 2075
decaf::net::InetAddress, 2083
isMCSiteLocal
decaf::net::Inet4Address, 2075

decaf::net::InetAddress, 2084
isMessage
activemq::commands::BaseCommand, 768
activemq::commands::Command, 1229
activemq::commands::Message, 2608
isMessageAck
activemq::commands::BaseCommand, 768
activemq::commands::Command, 1229
activemq::commands::MessageAck, 2646
isMessageDispatch
activemq::commands::BaseCommand, 768
activemq::commands::Command, 1229
activemq::commands::MessageDispatch, 2681
isMessageDispatchNotification
activemq::commands::BaseCommand, 768
activemq::commands::Command, 1229
activemq::commands::MessageDispatchNotification, 2719
isMessageIdEnabled
activemq::cmsutil::CmsTemplate, 1208
isMessageTimestampEnabled
activemq::cmsutil::CmsTemplate, 1208
isMulticastAddress
decaf::net::Inet4Address, 2075
decaf::net::InetAddress, 2084
isNaN
decaf::lang::Double, 1848
decaf::lang::Float, 1968
isNetworkConnection
activemq::commands::BrokerInfo, 908
isNetworkSubscription
activemq::commands::ConsumerInfo, 1507
isNoLocal
activemq::cmsutil::CmsTemplate, 1208
activemq::commands::ConsumerInfo, 1507
isNoRangeAcks
activemq::commands::ConsumerInfo, 1507
isOpaque
decaf::internal::net::URIType, 4068
decaf::net::URI, 4040
isOptimizedAcknowledge
activemq::commands::ConsumerInfo, 1507
isOrdered
activemq::commands::ActiveMQDestination, 319
isOutputShutdown
decaf::net::Socket, 3621
isPending
activemq::threads::CompositeTask, 1255
activemq::transport::failover::BackupTransportPool, 763
activemq::transport::failover::CloseTransportsTask, 1182
activemq::transport::failover::FailoverTransport, 1936
isPersistent
activemq::commands::Message, 2608
isPrepared
activemq::state::TransactionState, 3991
isProducerAck
activemq::commands::BaseCommand, 769
activemq::commands::Command, 1229
activemq::commands::ProducerAck, 3127
isProducerAdvisory
activemq::commands::ActiveMQDestination, 319
isProducerInfo
activemq::commands::BaseCommand, 769
activemq::commands::Command, 1230
activemq::commands::ProducerInfo, 3188
isPubSubDomain
activemq::cmsutil::CmsDestinationAccessor, 1189
isQueue
activemq::commands::ActiveMQDestination, 320
isRandomize
activemq::transport::failover::FailoverTransport, 1936
activemq::transport::failover::URIPool, 4056
isReadOnly
decaf::internal::nio::ByteArrayBuffer, 1030
decaf::internal::nio::CharArrayBuffer, 1145
decaf::internal::nio::DoubleArrayBuffer, 1863

decaf::internal::nio::FloatArrayBuffer, 1983
decaf::internal::nio::IntArrayBuffer, 2128
decaf::internal::nio::LongArrayBuffer, 2520
decaf::internal::nio::ShortArrayBuffer, 3558
decaf::nio::Buffer, 940
decaf::nio::ByteBuffer, 1068
isReadOnlyBody
activemq::commands::Message, 2608
isReadOnlyProperties
activemq::commands::Message, 2608
isRebalanceConnection
activemq::commands::ConnectionControl, 1305
isRecievedByDFBridge
activemq::commands::Message, 2608
isRemoveInfo
activemq::commands::BaseCommand, 769
activemq::commands::Command, 1230
activemq::commands::RemoveInfo, 3286
isRemoveSubscriptionInfo
activemq::commands::BaseCommand, 769
activemq::commands::Command, 1230
activemq::commands::RemoveSubscriptionInfo, 3316
isResponse
activemq::commands::BaseCommand, 769
activemq::commands::Command, 1230
activemq::commands::Response, 3381
isResponseRequired
activemq::commands::BaseCommand, 769
activemq::commands::Command, 1230
isRestoreConsumers
activemq::state::ConnectionStateTracker, 1435
isRestoreProducers
activemq::state::ConnectionStateTracker, 1435
isRestoreSessions
activemq::state::ConnectionStateTracker, 1435
isRestoreTransaction
activemq::state::ConnectionStateTracker, 1435
isResume
activemq::commands::ConnectionControl, 1305
isRetroactive
activemq::commands::ConsumerInfo, 1507
isRunning
activemq::core::ActiveMQSessionExecutor, 535
activemq::core::MessageDispatchChannel, 2686
isScheduled
decaf::util::TimerTask, 3916
isServerAuthority
decaf::internal::net::URIType, 4068
isShutdownInfo
activemq::commands::BaseCommand, 769
activemq::commands::Command, 1230
activemq::commands::ShutdownInfo, 3575
isSiteLocalAddress
decaf::net::Inet4Address, 2075
decaf::net::InetAddress, 2084
isSizePrefixDisabled
activemq::commands::WireFormatInfo, 4100
activemq::wireformat::openwire::OpenWireFormat, 2977
isSlaveBroker
activemq::commands::BrokerInfo, 908
isStackTraceEnabled
activemq::commands::WireFormatInfo, 4100
activemq::wireformat::openwire::OpenWireFormat, 2978
isStart
activemq::commands::ConsumerControl, 1445
isStarted
activemq::core::ActiveMQConnection, 273
activemq::core::ActiveMQSession, 528
isStop
activemq::commands::ConsumerControl, 1445
isSuspend
activemq::commands::ConnectionControl, 1305
isSynchronizationRegistered

activemq::core::ActiveMQConsumer, 307
isTcpNoDelayEnabled
activemq::commands::WireFormatInfo, 4100
activemq::wireformat::openwire::OpenWireFormat, 2978
isTemporary
activemq::commands::ActiveMQDestination, 320
isTightEncodingEnabled
activemq::commands::WireFormatInfo, 4100
activemq::wireformat::openwire::OpenWireFormat, 2978
isTopic
activemq::commands::ActiveMQDestination, 320
isTrackMessages
activemq::state::ConnectionStateTracker, 1435
activemq::transport::failover::FailoverTransport, 1937
isTrackTransactionProducers
activemq::state::ConnectionStateTracker, 1435
activemq::transport::failover::FailoverTransport, 1937
isTrackTransactions
activemq::state::ConnectionStateTracker, 1435
isTransacted
activemq::cmsutil::PooledSession, 3054
activemq::core::ActiveMQSession, 528
cms::Session, 3473
isTransactionInfo
activemq::commands::BaseCommand, 770
activemq::commands::Command, 1230
activemq::commands::TransactionInfo, 3962
isTransportFailed
activemq::core::ActiveMQConnection, 273
isUpperCase
decaf::lang::Character, 1132
isUseAsyncSend
activemq::core::ActiveMQConnection, 274
activemq::core::ActiveMQConnectionFactory, 289
isUseCollisionAvoidance
activemq::core::policies::DefaultRedeliveryPolicy, 1733
activemq::core::RedeliveryPolicy, 3271
isUseCompression
activemq::core::ActiveMQConnection, 274
activemq::core::ActiveMQConnectionFactory, 289
isUseExponentialBackOff
activemq::core::policies::DefaultRedeliveryPolicy, 1733
activemq::core::RedeliveryPolicy, 3271
activemq::transport::failover::FailoverTransport, 1937
isValid
activemq::commands::WireFormatInfo, 4100
decaf::internal::net::URIType, 4068
isValidDomainName
decaf::internal::net::URIHelper, 4049
isValidHexChar
decaf::internal::net::URIHelper, 4049
isValidHost
decaf::internal::net::URIHelper, 4049
isValidIP4Word
decaf::internal::net::URIHelper, 4050
isValidIP6Address
decaf::internal::net::URIHelper, 4050
isValidIPv4Address
decaf::internal::net::URIHelper, 4050
isWaitingForResponse
activemq::state::Tracked, 3932
isWhitespace
decaf::lang::Character, 1132
isWildcard
activemq::commands::ActiveMQDestination, 320
isWireFormatInfo
activemq::commands::BaseCommand, 770
activemq::commands::Command, 1231
activemq::commands::WireFormatInfo, 4101
itemExists
activemq::commands::ActiveMQMapMessage, 360
cms::MapMessage, 2558

iterate
activemq::core::ActiveMQConsumer, 308
activemq::core::ActiveMQSessionExecutor, 535
activemq::threads::CompositeTaskRunner, 1257
activemq::threads::Task, 3847
activemq::transport::failover::BackupTransportPool, 764
activemq::transport::failover::CloseTransportsTask, 1182
activemq::transport::failover::FailoverTransport, 1937
iterator
decaf::lang::Iterable, 2221, 2222
decaf::util::concurrent::SynchronousQueue, 3833
decaf::util::PriorityQueue, 3121
decaf::util::StlList, 3704
decaf::util::StlQueue, 3726
decaf::util::StlSet, 3736

join
decaf::lang::Thread, 3883
JournalQueueAck
activemq::commands::JournalQueueAck, 2225
JournalQueueAckMarshaller
activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller, 2249
activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller, 2233
activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller, 2241
activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller, 2245
activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller, 2237
activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller, 2229
JournalTopicAck
activemq::commands::JournalTopicAck, 2253
JournalTopicAckMarshaller
activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller, 2278
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller, 2262
activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller, 2266
activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller, 2274
activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller, 2258
activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller, 2270
JournalTrace
activemq::commands::JournalTrace, 2282
JournalTraceMarshaller
activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller, 2301
activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller, 2285
activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller, 2289
activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller, 2297
activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller, 2305
activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller, 2293
JournalTransaction
activemq::commands::JournalTransaction, 2309
JournalTransactionMarshaller
activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller, 2332
activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller, 2316
activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller, 2320
activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller, 2328
activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller, 2324
activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller, 2312
KeepAliveInfo
activemq::commands::KeepAliveInfo, 2336
KeepAliveInfoMarshaller
activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller, 2361
activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller, 2344
activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller, 2348

activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller, 2352
activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller, 2356
activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller, 2339
KeyException
decaf::security::KeyException, 2367, 2368
KeyManagementException
decaf::security::KeyManagementException, 2369, 2370
keySet
decaf::util::concurrent::ConcurrentStlMap, 1273
decaf::util::Map, 2546
decaf::util::StlMap, 3716

l_buf
internal_state, 2191
L_CODES
deflate.h, 4623
l_desc
internal_state, 2191
last
inflate_state, 2087
last_eob_len
internal_state, 2191
last_flush
internal_state, 2191
last_lit
internal_state, 2191
lastDeliveredSequenceId
activemq::commands::RemoveInfo, 3287
lastIndexOf
decaf::util::List, 2413
decaf::util::StlList, 3704
lastMessageId
activemq::commands::MessageAck, 2648
lastNakNumber
activemq::commands::ReplayCommand, 3347
LastPartialCommand
activemq::commands::LastPartialCommand, 2372
LastPartialCommandMarshaller
activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller, 2396
activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller, 2383
activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller, 2379
activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller, 2392
activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller, 2388
activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller, 2375
LEN
inflate.h, 4627
Len
deflate.h, 4623
len
ct_data_s, 1571
LEN_
inflate.h, 4627
lenbits
inflate_state, 2087
lencode
inflate_state, 2087
LENEXT
inflate.h, 4627
LENGTH
inflate.h, 4627
length
decaf::internal::nio::CharArrayBuffer, 1148
decaf::lang::ArrayPointer, 741
decaf::lang::CharSequence, 1168
decaf::lang::String, 3778
decaf::nio::CharBuffer, 1159
decaf::util::zip::InflaterInputStream, 2105
inflate_state, 2087
LENGTH_CODES
deflate.h, 4623
LENLENS
inflate.h, 4627
LENS
inftrees.h, 4628
lens
inflate_state, 2087
Less
decaf::util::comparators::Less, 2400
Level
decaf::util::logging::Level, 2405
level
internal_state, 2191
decaf::util::logging, 155

limit
decaf::nio::Buffer, 940
LineNumber
activemq::commands::BrokerError::StackTraceElement, 3686
List
decaf::util::List, 2410
LIST_TYPE
activemq::util::PrimitiveValueNode, 3104
listen
decaf::internal::net::tcp::TcpSocket, 3857
decaf::net::SocketImpl, 3642
listener
activemq::transport::TransportFilter, 4013
listIterator
decaf::util::List, 2413, 2414
decaf::util::StlList, 3705, 3706
listValue
activemq::util::PrimitiveValueNode::PrimitiveValueNode, 3098
LIT
inflate.h, 4627
lit_bufsize
internal_state, 2191
LITERALS
deflate.h, 4623
load
decaf::util::Properties, 3221
local
gzguts.h, 4625
zutil.h, 4639
localPort
decaf::net::SocketImpl, 3644
LocalTransactionId
activemq::commands::LocalTransactionId, 2422
LocalTransactionIdMarshaller
activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller, 2447
activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller, 2430
activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller, 2434
activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller, 2443
activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller, 2439
activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller, 2426
Lock
decaf::util::concurrent::Lock, 2451
lock
activemq::core::MessageDispatchChannel, 2687
decaf::internal::util::concurrent::MutexImpl, 2873
decaf::internal::util::concurrent::SynchronizableImpl, 3823
decaf::io::InputStream, 2109
decaf::io::OutputStream, 2994
decaf::util::AbstractCollection, 166
decaf::util::concurrent::ConcurrentStlMap, 1274
decaf::util::concurrent::Lock, 2451
decaf::util::concurrent::locks::Lock, 2454
decaf::util::concurrent::locks::ReentrantLock, 3276
decaf::util::concurrent::Mutex, 2868
decaf::util::concurrent::Synchronizable, 3812
decaf::util::StlMap, 3717
decaf::util::StlQueue, 3726
lock_count
decaf::util::concurrent::MutexHandle, 2872
lock_owner
decaf::util::concurrent::MutexHandle, 2872
lockInterruptibly
decaf::util::concurrent::locks::Lock, 2454
decaf::util::concurrent::locks::ReentrantLock, 3276
log
decaf::util::logging::Logger, 2470, 2471
decaf::util::logging::LogWriter, 2494
decaf::util::logging::SimpleLogger, 3607
LOGDECAF_DEBUG
LoggerDefines.h, 4736
LOGDECAF_DEBUG_1
LoggerDefines.h, 4736
LOGDECAF_DECLARE
LoggerDefines.h, 4736
LOGDECAF_DECLARE_LOCAL
LoggerDefines.h, 4737
LOGDECAF_ERROR
LoggerDefines.h, 4737
LOGDECAF_FATAL
LoggerDefines.h, 4737
LOGDECAF_INFO
LoggerDefines.h, 4737

LOGDECAF_INITIALIZE
LoggerDefines.h, 4737
LOGDECAF_WARN
LoggerDefines.h, 4737
Logger
decaf::util::logging::Logger, 2465
LoggerDefines.h
LOGDECAF_DEBUG, 4736
LOGDECAF_DEBUG_1, 4736
LOGDECAF_DECLARE, 4736
LOGDECAF_DECLARE_LOCAL, 4737
LOGDECAF_ERROR, 4737
LOGDECAF_FATAL, 4737
LOGDECAF_INFO, 4737
LOGDECAF_INITIALIZE, 4737
LOGDECAF_WARN, 4737
LoggerHierarchy
decaf::util::logging::LoggerHierarchy, 2474
LoggingInputStream
activemq::io::LoggingInputStream, 2475
LoggingOutputStream
activemq::io::LoggingOutputStream, 2476
LoggingTransport
activemq::transport::logging::LoggingTransport, 2478
LogManager
decaf::util::logging::LogManager, 2483
LogRecord
decaf::util::logging::LogRecord, 2489
LogWriter
decaf::util::logging::LogWriter, 2494
Long
decaf::lang::Long, 2498
LONG_TYPE
activemq::util::PrimitiveValueNode, 3104
LongArrayBuffer
decaf::internal::nio::LongArrayBuffer, 2515, 2516
longBitsToDouble
decaf::lang::Double, 1848
LongBuffer
decaf::nio::LongBuffer, 2525
LongSequenceGenerator
activemq::util::LongSequenceGenerator, 2535
longValue
activemq::util::PrimitiveValueNode::PrimitiveValueNode, 3098
decaf::lang::Byte, 974
decaf::lang::Character, 1132
decaf::lang::Double, 1848
decaf::lang::Float, 1969
decaf::lang::Integer, 2150
decaf::lang::Long, 2501
decaf::lang::Number, 2920
decaf::lang::Short, 3543
decaf::util::concurrent::atomic::AtomicInteger, 753
LOOK
gzguts.h, 4625
lookahead
internal_state, 2191
loopbackBytes
decaf::net::InetAddress, 2085
looseMarshal
activemq::wireformat::openwire::marshal::BaseDataStreamMa 820
activemq::wireformat::openwire::marshal::DataStreamMarsha 1675
activemq::wireformat::openwire::marshal::v1::ActiveMQBlob 195
activemq::wireformat::openwire::marshal::v1::ActiveMQByte 241
activemq::wireformat::openwire::marshal::v1::ActiveMQDest 329
activemq::wireformat::openwire::marshal::v1::ActiveMQMap 370
activemq::wireformat::openwire::marshal::v1::ActiveMQMess 399
activemq::wireformat::openwire::marshal::v1::ActiveMQObje 446
activemq::wireformat::openwire::marshal::v1::ActiveMQQueu 493
activemq::wireformat::openwire::marshal::v1::ActiveMQStrea 559
activemq::wireformat::openwire::marshal::v1::ActiveMQTemp 588
activemq::wireformat::openwire::marshal::v1::ActiveMQTemp 617
activemq::wireformat::openwire::marshal::v1::ActiveMQTemp 651
activemq::wireformat::openwire::marshal::v1::ActiveMQTextl 682
activemq::wireformat::openwire::marshal::v1::ActiveMQTopi 711
activemq::wireformat::openwire::marshal::v1::BaseCommand 787

activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller, 888
activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller, 921
activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller, 1317
activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller, 1350
activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller, 1382
activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller, 1414
activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller, 1461
activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller, 1491
activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller, 1524
activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller, 1554
activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller, 1589
activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller, 1658
activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller, 1799
activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller, 1833
activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller, 1921
activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller, 2020
activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller, 2181
activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller, 2249
activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller, 2278
activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller, 2301
activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller, 2333
activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller, 2361
activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller, 2397
activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller, 2448
activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller, 2667
activemq::wireformat::openwire::marshal::v1::MessageDispatchNotification, 2709
activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller, 2739
activemq::wireformat::openwire::marshal::v1::MessageMarshaller, 2777
activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller, 2799
activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller, 2847
activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller, 2902
activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller, 3030
activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller, 3151
activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller, 3183
activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller, 3200
activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller, 3302
activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller, 3320
activemq::wireformat::openwire::marshal::v1::ResponseMarshaller, 3353
activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller, 3410
activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller, 3502
activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller, 3519
activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller, 3586
activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller, 3792
activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller, 3941
activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller, 3970
activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller, 4122
activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller, 4161
activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller, 204
activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller, 258
activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller, 341

activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller, 383
activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller, 411
activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller, 459
activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller, 505
activemq::wireformat::openwire::marshal::v2::ActiveMQTemporaryQueueMarshaller, 572
activemq::wireformat::openwire::marshal::v2::ActiveMQTemporaryTopicMarshaller, 600
activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller, 630
activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller, 660
activemq::wireformat::openwire::marshal::v2::ActiveMQTopicInfoMarshaller, 694
activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller, 724
activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller, 808
activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller, 900
activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller, 933
activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller, 1330
activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller, 1338
activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller, 1370
activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller, 1401
activemq::wireformat::openwire::marshal::v2::ConsumerId Marshaller, 1448
activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller, 1479
activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller, 1511
activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller, 1541
activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller, 1576
activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller, 1645
activemq::wireformat::openwire::marshal::v2::DiscoveryEvent Marshaller, 1786
activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller, 1821
activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller, 1904
activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller, 2008
activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller, 2168
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller, 2233
activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller, 2262
activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller, 2285
activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller, 2317
activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller, 2344
activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller, 2384
activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller, 2431
activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller, 2654
activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller, 2692
activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller, 2726
activemq::wireformat::openwire::marshal::v2::MessageMarshaller, 2757
activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller, 2790
activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller, 2830
activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller, 2882
activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller, 3012
activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller, 3130
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller, 3163
activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller, 3196
activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller, 3289
activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller, 3328
activemq::wireformat::openwire::marshal::v2::ResponseMarshaller, 3357

activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller, 3482
activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller, 3582
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller, 3808
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller, 3945
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller, 3987
activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller, 4114
activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller, 4153
activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller, 191
activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller, 236
activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller, 325
activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller, 366
activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller, 394
activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller, 442
activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller, 488
activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller, 555
activemq::wireformat::openwire::marshal::v3::ActiveMQTemporaryQueueMarshaller, 584
activemq::wireformat::openwire::marshal::v3::ActiveMQTemporaryTopicMarshaller, 613
activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller, 643
activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller, 673
activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller, 703
activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller, 772
activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller, 880
activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller, 912
activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller, 1308
activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller, 1342
activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller, 1374
activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller, 1406
activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller, 1453
activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller, 1483
activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller, 1516
activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller, 1545
activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller, 1580
activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller, 1649
activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller, 1790
activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller, 1825
activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller, 1908
activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller, 2012
activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller, 2173
activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller, 2241
activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller, 2266
activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller, 2289
activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller, 2321
activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller, 2348
activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller, 2380
activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller, 2435
activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller, 2659
activemq::wireformat::openwire::marshal::v3::MessageDispatchNotification, 2696
activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller, 2731
activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller, 2769

activemq::wireformat::openwire::marshal::v4::MessageMarshaller, 2786
activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller, 2839
activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller, 2894
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller, 3021
activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller, 3139
activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller, 3171
activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller, 3209
activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller, 3298
activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller, 3324
activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller, 3361
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller, 3405
activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller, 3498
activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller, 3523
activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller, 3595
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller, 3788
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller, 3949
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller, 3974
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller, 4126
activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller, 4166
activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller, 200
activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller, 245
activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller, 333
activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller, 375
activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller, 403
activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller, 451
activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller, 497
activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller, 563
activemq::wireformat::openwire::marshal::v4::ActiveMQTemporaryQueueMarshaller, 592
activemq::wireformat::openwire::marshal::v4::ActiveMQTemporaryTopicMarshaller, 621
activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller, 647
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller, 677
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller, 707
activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller, 780
activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller, 884
activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller, 916
activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller, 1313
activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller, 1346
activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller, 1378
activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller, 1410
activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller, 1457
activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller, 1487
activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller, 1520
activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller, 1550
activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller, 1585
activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller, 1653
activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller, 1795
activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller, 1829
activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller, 1916
activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller, 2016
activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller, 2177

activemq::wireformat::openwire::marshal::v4::ActiveMQQueueAckMarshaller, 2245
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicAckMarshaller, 2274
activemq::wireformat::openwire::marshal::v4::ActiveMQTraceMarshaller, 2297
activemq::wireformat::openwire::marshal::v4::ActiveMQTransactionMarshaller, 2329
activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller, 2353
activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller, 2392
activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller, 2443
activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller, 2663
activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller, 2705
activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller, 2735
activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller, 2761
activemq::wireformat::openwire::marshal::v4::MessageMarshaller, 2795
activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller, 2843
activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller, 2898
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller, 3025
activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller, 3134
activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller, 3167
activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller, 3192
activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller, 3311
activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller, 3341
activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller, 3349
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller, 3390
activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller, 3486
activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller, 3531
activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller, 3599
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller, 3800
activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller, 3953
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller, 3983
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller, 4118
activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller, 4157
activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller, 208
activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller, 249
activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller, 337
activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller, 379
activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller, 407
activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller, 455
activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller, 501
activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller, 567
activemq::wireformat::openwire::marshal::v5::ActiveMQTempDestinationMarshaller, 596
activemq::wireformat::openwire::marshal::v5::ActiveMQTempQueueMarshaller, 625
activemq::wireformat::openwire::marshal::v5::ActiveMQTempTopicMarshaller, 655
activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller, 686
activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller, 716
activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller, 794
activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller, 892
activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller, 925
activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller, 1321
activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller, 1355
activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller, 1386
activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller, 1418

activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller, 1465
activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller, 1495
activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller, 1528
activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller, 1558
activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller, 1593
activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller, 1636
activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller, 1807
activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller, 1837
activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller, 1912
activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller, 2025
activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller, 2186
activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller, 2237
activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller, 2258
activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller, 2305
activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller, 2325
activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller, 2357
activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller, 2388
activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller, 2439
activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller, 2671
activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller, 2701
activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller, 2743
activemq::wireformat::openwire::marshal::v5::MessageMarshaller, 2765
activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller, 2781
activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller, 2834
activemq::wireformat::openwire::marshal::v5::PartialCommand, 2890
activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller, 3016
activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller, 3143
activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller, 3175
activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller, 3205
activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller, 3306
activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller, 3337
activemq::wireformat::openwire::marshal::v5::ResponseMarshaller, 3370
activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller, 3400
activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller, 3494
activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller, 3514
activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller, 3590
activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller, 3796
activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller, 3937
activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller, 3966
activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller, 4106
activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMarshaller, 4170
activemq::wireformat::openwire::marshal::v6::ActiveMQByteArrayMarshaller, 212
activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller, 253
activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller, 345
activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller, 387
activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller, 416
activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller, 463
activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMarshaller, 510
activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryQueueMarshaller, 576
activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryTopicMarshaller, 604

activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryQueueMarshaller, 634
activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryTopicMarshaller, 664
activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller, 690
activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller, 720
activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller, 801
activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller, 896
activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller, 929
activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller, 1325
activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller, 1359
activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller, 1390
activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller, 1423
activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller, 1470
activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller, 1499
activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller, 1533
activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller, 1562
activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller, 1598
activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller, 1641
activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller, 1803
activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller, 1817
activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller, 1899
activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller, 2003
activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller, 2164
activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller, 2229
activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller, 2270
activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller, 2293
activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller, 2313
activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller, 2340
activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller, 2375
activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller, 2426
activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller, 2650
activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller, 2713
activemq::wireformat::openwire::marshal::v6::MessageDispatchNotification, 2722
activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller, 2773
activemq::wireformat::openwire::marshal::v6::MessageMarshaller, 2804
activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller, 2851
activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller, 2886
activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller, 3007
activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller, 3147
activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller, 3179
activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller, 3213
activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller, 3294
activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller, 3332
activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller, 3366
activemq::wireformat::openwire::marshal::v6::ResponseMarshaller, 3415
activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller, 3490
activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller, 3510
activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller, 3578
activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller, 3804
activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller, 3957
activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller, 3978

activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller, 4110
activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller, 4149
looseMarshalBrokerError
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 820
looseMarshalCachedObject
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 821
looseMarshalLong
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 821
looseMarshalNestedObject
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 822
activemq::wireformat::openwire::OpenWireFormat, 2978
looseMarshalObjectArray
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 822
looseMarshalString
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 822
looseUnmarshal
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 823
activemq::wireformat::openwire::marshal::DataStreamMarshaller, 1683
activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller, 196
activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller, 241
activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller, 329
activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller, 371
activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller, 399
activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller, 447
activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller, 493
activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller, 559
activemq::wireformat::openwire::marshal::v1::ActiveMQTemporaryQueueMarshaller, 588
activemq::wireformat::openwire::marshal::v1::ActiveMQTemporaryTopicMarshaller, 617
activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller, 652
activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller, 682
activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller, 712
activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller, 788
activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller, 888
activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller, 921
activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller, 1317
activemq::wireformat::openwire::marshal::v1::ConnectionErrorMarshaller, 1355
activemq::wireformat::openwire::marshal::v1::ConnectionIdMarshaller, 1383
activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller, 1415
activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller, 1462
activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller, 1495
activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller, 1525
activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller, 1554
activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller, 1590
activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller, 1658
activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller, 1799
activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller, 1833
activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller, 1921
activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller, 2021
activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller, 2182
activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller, 2250
activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller, 2279
activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller, 2302
activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller, 2333
activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller,

2362 activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller,
2397 activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller,
2448 activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller,
2668 activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller,
2710 activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller,
2740 activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller,
2777 activemq::wireformat::openwire::marshal::v2::MessageMarshaller,
2800 activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller,
2848 activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller,
2903 activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller,
3030 activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller,
3152 activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller,
3183 activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller,
3201 activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller,
3303 activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller,
3320 activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller,
3353 activemq::wireformat::openwire::marshal::v2::ResponseMarshaller,
3411 activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller,
3503 activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller,
3519 activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller,
3587 activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller,
3793 activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller,
3941 activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller,
3970 activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller,
4123 activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller,
4162 activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMar
204 activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMa
258 activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarsh
341 activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMar
384 activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshall
412 activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageM
460 activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller
506 activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageM
572 activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestination
600 activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMars
630 activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarsh
660 activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMar
695 activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller,
725 activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller,
809 activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller,
900 activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller,
934 activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshall
1330 activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller,
1338 activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller,
1371 activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller,
1402 activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller
1449 activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller,
1479 activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller,
1512 activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller
1542 activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshal

1577
activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller,
1645
activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller,
1787
activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller,
1821
activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller,
1904
activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller,
2008
activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller,
2169
activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller,
2234
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller,
2263
activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller,
2286
activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller,
2317
activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller,
2345
activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller,
2384
activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller,
2431
activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller,
2655
activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller,
2693
activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller,
2727
activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller,
2757
activemq::wireformat::openwire::marshal::v2::MessageMarshaller,
2791
activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller,
2831
activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller,
2883
activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller,
3012
activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller,
3131
activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller,
3163
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller,
3197
activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller,
3290
activemq::wireformat::openwire::marshal::v2::RemoveSubscri
3329
activemq::wireformat::openwire::marshal::v2::ReplayCommar
3358
activemq::wireformat::openwire::marshal::v2::ResponseMarsh
3396
activemq::wireformat::openwire::marshal::v2::SessionIdMarsh
3483
activemq::wireformat::openwire::marshal::v2::SessionInfoMa
3528
activemq::wireformat::openwire::marshal::v2::ShutdownInfoM
3582
activemq::wireformat::openwire::marshal::v2::SubscriptionInf
3809
activemq::wireformat::openwire::marshal::v2::TransactionIdM
3945
activemq::wireformat::openwire::marshal::v2::TransactionInfo
3987
activemq::wireformat::openwire::marshal::v2::WireFormatInfo
4115
activemq::wireformat::openwire::marshal::v2::XATransaction
4153
activemq::wireformat::openwire::marshal::v3::ActiveMQBlob
192
activemq::wireformat::openwire::marshal::v3::ActiveMQByte
237
activemq::wireformat::openwire::marshal::v3::ActiveMQDest
325
activemq::wireformat::openwire::marshal::v3::ActiveMQMap
367
activemq::wireformat::openwire::marshal::v3::ActiveMQMess
395
activemq::wireformat::openwire::marshal::v3::ActiveMQObje
443
activemq::wireformat::openwire::marshal::v3::ActiveMQQueu
489
activemq::wireformat::openwire::marshal::v3::ActiveMQStrea
555
activemq::wireformat::openwire::marshal::v3::ActiveMQTemp
584
activemq::wireformat::openwire::marshal::v3::ActiveMQTemp
613
activemq::wireformat::openwire::marshal::v3::ActiveMQTemp
643
activemq::wireformat::openwire::marshal::v3::ActiveMQTextl
674
activemq::wireformat::openwire::marshal::v3::ActiveMQTopi
703
activemq::wireformat::openwire::marshal::v3::BaseCommand

773
activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller,
880
activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller,
913
activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller,
1309
activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller,
1342
activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller,
1375
activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller,
1406
activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller,
1453
activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller,
1483
activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller,
1516
activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller,
1546
activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller,
1581
activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller,
1650
activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller,
1791
activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller,
1825
activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller,
1908
activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller,
2012
activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller,
2173
activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller,
2242
activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller,
2267
activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller,
2290
activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller,
2321
activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller,
2349
activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller,
2380
activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller,
2435
activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller,
2659
activemq::wireformat::openwire::marshal::v3::MessageDispatchNotification
2697
activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller,
2731
activemq::wireformat::openwire::marshal::v3::MessageMarshaller,
2769
activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller,
2786
activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarsha
2839
activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller,
2895
activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller,
3021
activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller,
3139
activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller,
3171
activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller,
3209
activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMa
3298
activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller
3324
activemq::wireformat::openwire::marshal::v3::ResponseMarshaller,
3362
activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller,
3406
activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller,
3499
activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller,
3523
activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller,
3595
activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller,
3789
activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller,
3949
activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller,
3975
activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller
4127
activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMar
4166
activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMa
200
activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarsh
245

activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller, 333
activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller, 375
activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller, 403
activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller, 451
activemq::wireformat::openwire::marshal::v4::ActiveMQTemporaryQueueMarshaller, 497
activemq::wireformat::openwire::marshal::v4::ActiveMQTemporaryTopicMarshaller, 564
activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller, 592
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller, 622
activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller, 647
activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller, 678
activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller, 708
activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller, 781
activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller, 884
activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller, 917
activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller, 1313
activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller, 1347
activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller, 1379
activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller, 1410
activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller, 1457
activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller, 1487
activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller, 1520
activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller, 1550
activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller, 1585
activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller, 1654
activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller, 1795
activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller, 1829
activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller, 1917
activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller, 2017
activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller, 2178
activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller, 2246
activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller, 2275
activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller, 2298
activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller, 2329
activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller, 2353
activemq::wireformat::openwire::marshal::v4::MessageMarshaller, 2393
activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller, 2444
activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller, 2663
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller, 2705
activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller, 2735
activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller, 2761
activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller, 2795
activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller, 2843
activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller, 2899
activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller, 3026
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller, 3135

3391 1322
activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller, activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller,
3487 1355
activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller, activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller,
3532 1387
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller, activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller,
3599 1419
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller, activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller,
3801 1466
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller, activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller,
3953 1495
activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller, activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller,
3983 1529
activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller, activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller,
4119 1559
activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller, activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller,
4158 1594
activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller, activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller,
209 1637
activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller, activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller,
250 1808
activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller, activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller,
337 1837
activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller, activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller,
379 1913
activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller, activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller,
408 2025
activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller, activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller,
455 2186
activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller, activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller,
502 2238
activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller, activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller,
568 2259
activemq::wireformat::openwire::marshal::v5::ActiveMQTemporaryQueueMarshaller, activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller,
596 2306
activemq::wireformat::openwire::marshal::v5::ActiveMQTemporaryTopicMarshaller, activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller,
626 2325
activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller, activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller,
656 2357
activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller, activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller,
686 2389
activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller, activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller,
716 2440
activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller, activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller,
795 2672
activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller, activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller,
892 2701
activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller, activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificatio
925 2744
activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller, activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller,

2765 464
activemq::wireformat::openwire::marshal::v5::MessageMarshaller, activemq::wireformat::openwire::marshal::v6::ActiveMQQueu
2782 510
activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller, activemq::wireformat::openwire::marshal::v6::ActiveMQStrea
2835 576
activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller, activemq::wireformat::openwire::marshal::v6::ActiveMQTemp
2891 604
activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller, activemq::wireformat::openwire::marshal::v6::ActiveMQTemp
3017 634
activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller, activemq::wireformat::openwire::marshal::v6::ActiveMQTemp
3143 664
activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller, activemq::wireformat::openwire::marshal::v6::ActiveMQTextM
3175 691
activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller, activemq::wireformat::openwire::marshal::v6::ActiveMQTopic
3205 720
activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller, activemq::wireformat::openwire::marshal::v6::BaseCommand
3307 802
activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller, activemq::wireformat::openwire::marshal::v6::BrokerIdMarsh
3337 896
activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller, activemq::wireformat::openwire::marshal::v6::BrokerInfoMar
3370 930
activemq::wireformat::openwire::marshal::v5::ResponseMarshaller, activemq::wireformat::openwire::marshal::v6::ConnectionCon
3401 1326
activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller, activemq::wireformat::openwire::marshal::v6::ConnectionErro
3495 1359
activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller, activemq::wireformat::openwire::marshal::v6::ConnectionIdM
3515 1391
activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller, activemq::wireformat::openwire::marshal::v6::ConnectionInfo
3591 1423
activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller, activemq::wireformat::openwire::marshal::v6::ConsumerCont
3797 1470
activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller, activemq::wireformat::openwire::marshal::v6::ConsumerIdMa
3937 1499
activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller, activemq::wireformat::openwire::marshal::v6::ConsumerInfoM
3966 1533
activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller, activemq::wireformat::openwire::marshal::v6::ControlComa
4107 1563
activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller, activemq::wireformat::openwire::marshal::v6::DataArrayResp
4170 1598
activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller, activemq::wireformat::openwire::marshal::v6::DataResponseM
213 1641
activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller, activemq::wireformat::openwire::marshal::v6::DestinationInfo
254 1804
activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller, activemq::wireformat::openwire::marshal::v6::DiscoveryEven
345 1817
activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller, activemq::wireformat::openwire::marshal::v6::ExceptionResp
388 1900
activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller, activemq::wireformat::openwire::marshal::v6::FlushCommand
416 2004
activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller, activemq::wireformat::openwire::marshal::v6::IntegerRespons

2165
activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller,
2230
activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller,
2271
activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller,
2294
activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller,
2313
activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller,
2340
activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller,
2376
activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller,
2427
activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller,
2651
activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller,
2714
activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller,
2723
activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller,
2773
activemq::wireformat::openwire::marshal::v6::MessageMarshaller,
2804
activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller,
2852
activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller,
2887
activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller,
3008
activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller,
3148
activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller,
3179
activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller,
3214
activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller,
3294
activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller,
3333
activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller,
3366
activemq::wireformat::openwire::marshal::v6::ResponseMarshaller,
3416
activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller,
3491
activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller,
3511
activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller,
3578
activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller,
3805
activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller,
3957
activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller,
3979
activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller,
4111
activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller
4149
looseUnmarshalBrokerError
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
825
looseUnmarshalByteArray
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
824
looseUnmarshalCachedObject
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
824
looseUnmarshalConstByteArray
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
824
looseUnmarshalLong
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
825
looseUnmarshalNestedObject
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
825
activemq::wireformat::openwire::OpenWireFormat,
2979
looseUnmarshalString
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
826
lowestOneBit
decaf::lang::Integer, 2150
decaf::lang::Long, 2502
MalformedURLException
decaf::net::MalformedURLException,
2537, 2538
manageable
activemq::commands::ConnectionInfo,
1399
Map
decaf::util::Map, 2540
MAP_TYPE
activemq::util::PrimitiveValueNode, 3104
mapValue

activemq::util::PrimitiveValueNode::PrimitiveValueNode, 3098
mark
decaf::io::BufferedInputStream, 946
decaf::io::ByteArrayInputStream, 1043
decaf::io::FilterInputStream, 1955
decaf::io::InputStream, 2109
decaf::io::PushbackInputStream, 3235
decaf::io::Reader, 3256
decaf::nio::Buffer, 941
decaf::util::logging::SimpleLogger, 3607
decaf::util::zip::InflaterInputStream, 2102
Markblock
decaf::util::logging, 155
MarkBlockLogger
decaf::util::logging::MarkBlockLogger, 2563
markSupported
decaf::io::BufferedInputStream, 947
decaf::io::ByteArrayInputStream, 1044
decaf::io::FilterInputStream, 1955
decaf::io::InputStream, 2109
decaf::io::PushbackInputStream, 3235
decaf::io::Reader, 3257
decaf::util::zip::InflaterInputStream, 2103
marshal
activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller, 3092
activemq::wireformat::openwire::OpenWireFormat, 2979
activemq::wireformat::openwire::utils::BooleanStream, 864, 865
activemq::wireformat::stomp::StompWireFormat, 3753
activemq::wireformat::WireFormat, 4090
marshalledProperties
activemq::commands::Message, 2613
marshalledSize
activemq::wireformat::openwire::utils::BooleanStream, 865
MarshallingSupport
activemq::util::MarshallingSupport, 2572
marshalList
activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller, 3092
marshalMap
activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller, 3093
marshalPrimitive
activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller, 3093
marshalPrimitiveList
activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller, 3093
marshalPrimitiveMap
activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller, 3094
masterBroker
activemq::commands::BrokerInfo, 910
MATCH
inflate.h, 4627
match_available
internal_state, 2191
match_length
internal_state, 2191
match_start
internal_state, 2191
matches
internal_state, 2191
Math
decaf::lang::Math, 2578
max
decaf::lang::Math, 2581, 2582
MAX_BITS
deflate.h, 4623
max_chain_length
internal_state, 2191
max_code
tree_desc_s, 4018
MAX_DIST
deflate.h, 4623
max_insert_length
deflate.h, 4623
max_lazy_match
internal_state, 2191
MAX_MATCH
zutil.h, 4639
MAX_MEM_LEVEL
zconf.h, 4632
MAX_PREFETCH_SIZE
activemq::core::policies::DefaultPrefetchPolicy, 1730
MAX_PRIORITY
decaf::lang::Thread, 3886
MAX_RADIX
decaf::lang::Character, 1134
MAX_VALUE
decaf::lang::Byte, 979
decaf::lang::Character, 1134

decaf::lang::Double, 1853
decaf::lang::Float, 1973
decaf::lang::Integer, 2159
decaf::lang::Long, 2510
decaf::lang::Short, 3548
MAX_WBITS
zconf.h, 4632
maximumPendingMessageLimit
activemq::commands::ConsumerInfo, 1509
MEM
inflate.h, 4627
MemoryUsage
activemq::util::MemoryUsage, 2593
MESSAGE
activemq::wireformat::stomp::StompCommandConstants, 3740
Message
activemq::commands::Message, 2601
message
activemq::cmsutil::CmsTemplate::ReceiveExecutor, 3267
activemq::commands::JournalTrace, 2283
activemq::commands::MessageDispatch, 2683
decaf::lang::Exception, 1893
MessageAck
activemq::commands::MessageAck, 2644
messageAck
activemq::commands::JournalQueueAck, 2227
MessageAckMarshaller
activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller, 2667
activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller, 2654
activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller, 2658
activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller, 2662
activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller, 2671
activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller, 2650
messageCount
activemq::commands::MessageAck, 2648
MessageDispatch
activemq::commands::MessageDispatch, 2680
MessageDispatchChannel
activemq::core::MessageDispatchChannel, 2685
MessageDispatchMarshaller
activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller, 2709
activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller, 2692
activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller, 2696
activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller, 2704
activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller, 2700
activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller, 2713
MessageDispatchNotification
activemq::commands::MessageDispatchNotification, 2717
MessageDispatchNotificationMarshaller
activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificatio 2739
activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificatio 2726
activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificatio 2730
activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificatio 2734
activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificatio 2743
activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificatio 2722
MessageEOFException
cms::MessageEOFException, 2748
MessageFormatException
cms::MessageFormatException, 2750
MessageId
activemq::commands::MessageId, 2752
messageId
activemq::commands::JournalTopicAck, 2256
activemq::commands::Message, 2613
activemq::commands::MessageDispatchNotification, 2720
activemq::commands::MessagePull, 2828
MessageIdMarshaller
activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller, 2776
activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller, 2756

activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller, 2768
activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller, 2760
activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller, 2764
activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller, 2772
MessageMarshaller
activemq::wireformat::openwire::marshal::v1::MessageMarshaller, 2799
activemq::wireformat::openwire::marshal::v2::MessageMarshaller, 2790
activemq::wireformat::openwire::marshal::v3::MessageMarshaller, 2786
activemq::wireformat::openwire::marshal::v4::MessageMarshaller, 2795
activemq::wireformat::openwire::marshal::v5::MessageMarshaller, 2781
activemq::wireformat::openwire::marshal::v6::MessageMarshaller, 2804
MessageNotReadableException
cms::MessageNotReadableException, 2808
MessageNotWriteableException
cms::MessageNotWriteableException, 2809
MessagePropertyInterceptor
activemq::wireformat::openwire::utils::MessagePropertyInterceptor, 2819
MessagePull
activemq::commands::MessagePull, 2823
MessagePullMarshaller
activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller, 2847
activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller, 2830
activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller, 2838
activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller, 2842
activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller, 2834
activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller, 2851
messageSequenceId
activemq::commands::JournalTopicAck, 2256
method
internal_state, 2191
MicroTime
activemq::commands::BrokerError::StackTraceElement, 3686
MICROSECONDS
decaf::util::concurrent::TimeUnit, 3929
MILLISECONDS
decaf::util::concurrent::TimeUnit, 3929
min
decaf::lang::Math, 2582–2584
MIN_LOOKAHEAD
deflate.h, 4623
MIN_MATCH
zutil.h, 4639
MIN_PRIORITY
decaf::lang::Thread, 3886
MIN_RADIX
decaf::lang::Character, 1134
MIN_VALUE
decaf::lang::Byte, 979
decaf::lang::Character, 1134
decaf::lang::Double, 1853
decaf::lang::Float, 1973
decaf::lang::Integer, 2159
decaf::lang::Long, 2510
decaf::lang::Short, 3548
MINUTES
decaf::util::concurrent::TimeUnit, 3929
MockTransport
activemq::transport::mock::MockTransport, 2857
mode
gz_state, 2041
inflate_state, 2087
modifiedUtf8ToAscii
activemq::util::MarshallingSupport, 2573
msg
gz_state, 2041
z_stream_s, 4175
Mutex
decaf::util::concurrent::Mutex, 2868
mutex
decaf::util::AbstractCollection, 173
decaf::util::concurrent::ConditionHandle, 1291
decaf::util::concurrent::MutexHandle, 2872
MutexHandle
decaf::util::concurrent::MutexHandle, 2872

NAME
inflate.h, 4627
name
gz_header_s, 2039
name_max
gz_header_s, 2039
NAME_STATE
deflate.h, 4623
nameUUIDFromBytes
decaf::util::UUID, 4084, 4085
NaN
decaf::lang::Double, 1853
decaf::lang::Float, 1973
NANOSECONDS
decaf::util::concurrent::TimeUnit, 3929
nanoTime
decaf::lang::System, 3845
narrow
activemq::transport::failover::FailoverTransport, 1937
activemq::transport::IOTransport, 2217
activemq::transport::mock::MockTransport, 2860
activemq::transport::Transport, 3999
activemq::transport::TransportFilter, 4009
ncode
inflate_state, 2087
ndist
inflate_state, 2087
needsDictionary
decaf::util::zip::Inflater, 2093
needsInput
decaf::util::zip::Deflater, 1764
decaf::util::zip::Inflater, 2093
NEGATIVE_INFINITY
decaf::lang::Double, 1853
decaf::lang::Float, 1973
Network
decaf::internal::net::Network, 2876
NetworkBridgeFilter
activemq::commands::NetworkBridgeFilter, 2878
NetworkBridgeFilterMarshaller
activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller, 2902
activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller, 2882
activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller, 2894
activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller, 2898
activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller, 2890
activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller, 2886
networkBrokerId
activemq::commands::NetworkBridgeFilter, 2880
networkConnection
activemq::commands::BrokerInfo, 910
networkConsumerPath
activemq::commands::ConsumerInfo, 1509
networkProperties
activemq::commands::BrokerInfo, 910
networkSubscription
activemq::commands::ConsumerInfo, 1509
networkTTL
activemq::commands::NetworkBridgeFilter, 2880
NEW
decaf::lang::Thread, 3880
newCondition
decaf::util::concurrent::locks::Lock, 2455
decaf::util::concurrent::locks::ReentrantLock, 3277
newThread
decaf::util::concurrent::ThreadFactory, 3887
next
activemq::transport::TransportFilter, 4013
decaf::security::SecureRandom, 3427
decaf::util::Iterator, 2223
decaf::util::Random, 3247
gz_state, 2041
inflate_state, 2087
next_in
z_stream_s, 4175
next_out
z_stream_s, 4175
nextBoolean
decaf::util::Random, 3248
nextBytes
decaf::security::SecureRandom, 3427, 3428
decaf::util::Random, 3248, 3249
nextDouble
decaf::util::Random, 3249

nextFloat
decaf::util::Random, 3249
nextGaussian
decaf::util::Random, 3249
nextIndex
decaf::util::ListIterator, 2418
nextInt
decaf::util::Random, 3250
nextLong
decaf::util::Random, 3250
nextMessage
activemq::core::ActiveMQQueueBrowser, 486
cms::MessageEnumeration, 2747
nextToken
decaf::util::StringTokenizer, 3780, 3781
nice_match
internal_state, 2191
nlen
inflate_state, 2087
NO_COMPRESSION
decaf::util::zip::Deflater, 1769
NO_MAXIMUM_REDELIVERIES
activemq::core::RedeliveryPolicy, 3272
node
decaf::util::UUID, 4085
noLocal
activemq::cmsutil::CmsTemplate::ReceiveExecutor, 3267
activemq::commands::ConsumerInfo, 1509
NON_PERSISTENT
cms::DeliveryMode, 1776
noRangeAcks
activemq::commands::ConsumerInfo, 1509
NORM_PRIORITY
decaf::lang::Thread, 3886
normalize
decaf::net::URI, 4040
NoRouteToHostException
decaf::net::NoRouteToHostException, 2905, 2906
NoSuchAlgorithmException
decaf::security::NoSuchAlgorithmException, 2908, 2909
NoSuchElementException
decaf::lang::exceptions::NoSuchElementException, 2911, 2912
NoSuchProviderException
decaf::security::NoSuchProviderException, 2913, 2914
notify
activemq::core::MessageDispatchChannel, 2687
decaf::internal::util::concurrent::ConditionImpl, 1292
decaf::internal::util::concurrent::SynchronizableImpl, 3823
decaf::io::InputStream, 2110
decaf::io::OutputStream, 2995
decaf::util::AbstractCollection, 167
decaf::util::concurrent::ConcurrentStlMap, 1274
decaf::util::concurrent::Mutex, 2868
decaf::util::concurrent::Synchronizable, 3813
decaf::util::StlMap, 3717
decaf::util::StlQueue, 3727
notifyAll
activemq::core::MessageDispatchChannel, 2687
decaf::internal::util::concurrent::ConditionImpl, 1292
decaf::internal::util::concurrent::SynchronizableImpl, 3823
decaf::io::InputStream, 2110
decaf::io::OutputStream, 2995
decaf::util::AbstractCollection, 167
decaf::util::concurrent::ConcurrentStlMap, 1274
decaf::util::concurrent::Mutex, 2868
decaf::util::concurrent::Synchronizable, 3814
decaf::util::StlMap, 3717
decaf::util::StlQueue, 3727
Null
decaf::util::logging, 155
NULL_TYPE
activemq::util::PrimitiveValueNode, 3104
activemq::wireformat::openwire::OpenWireFormat, 2984
NullPointerException
decaf::lang::exceptions::NullPointerException, 2916, 2917
NUM_OPTIONS
activemq::core::ActiveMQConstants, 299
NUM_PARAMS

activemq::core::ActiveMQConstants, 300
NumberFormatException
decaf::lang::exceptions::NumberFormatException, 2922, 2923
numberOfLeadingZeros
decaf::lang::Integer, 2150
decaf::lang::Long, 2502
numberOfTrailingZeros
decaf::lang::Integer, 2151
decaf::lang::Long, 2503
numWaiting
decaf::util::concurrent::ConditionHandle, 1291
numWake
decaf::util::concurrent::ConditionHandle, 1291

objectId
activemq::commands::RemoveInfo, 3287
OF
deflate.h, 4623
gzguts.h, 4625
inffast.h, 4626
inftrees.h, 4628
zconf.h, 4632
zlib.h, 4636
zutil.h, 4639
OFF
decaf::util::logging::Level, 2408
Off
decaf::util::logging, 155
offer
decaf::util::concurrent::BlockingQueue, 853
decaf::util::concurrent::SynchronousQueue, 3833, 3834
decaf::util::PriorityQueue, 3121
decaf::util::Queue, 3241
offset
decaf::internal::nio::CharArrayBuffer, 1148
inflate_state, 2087
onCommand
activemq::core::ActiveMQConnection, 274
activemq::transport::correlator::ResponseCorrelator, 3386
activemq::transport::DefaultTransportListener, 1758
activemq::transport::failover::FailoverTransportListener, 1946
activemq::transport::inactivity::InactivityMonitor, 2067
activemq::transport::logging::LoggingTransport, 2478
activemq::transport::mock::InternalCommandListener, 2193
activemq::transport::TransportFilter, 4009
activemq::transport::TransportListener, 4014
activemq::wireformat::openwire::OpenWireFormatNegotiator, 2987
oneway
activemq::core::ActiveMQConnection, 274
activemq::core::ActiveMQSession, 528
activemq::transport::correlator::ResponseCorrelator, 3386
activemq::transport::failover::FailoverTransport, 1937
activemq::transport::inactivity::InactivityMonitor, 2068
activemq::transport::IOTransport, 2217
activemq::transport::logging::LoggingTransport, 2478
activemq::transport::mock::MockTransport, 2860
activemq::transport::Transport, 3999
activemq::transport::TransportFilter, 4010
activemq::wireformat::openwire::OpenWireFormatNegotiator, 2987
onException
activemq::core::ActiveMQConnection, 275
activemq::transport::DefaultTransportListener, 1758
activemq::transport::failover::BackupTransport, 760
activemq::transport::failover::FailoverTransportListener, 1946
activemq::transport::inactivity::InactivityMonitor, 2068
activemq::transport::TransportFilter, 4010
activemq::transport::TransportListener, 4014
cms::ExceptionListener, 1894
onMessage
cms::MessageListener, 2780
onProducerAck

activemq::core::ActiveMQProducer, 470
onPropertiesReset
decaf::util::logging::PropertiesChangeListener, 3227
onPropertyChanged
decaf::util::logging::PropertiesChangeListener, 3227
onResponse
activemq::state::Tracked, 3932
onSend
activemq::commands::ActiveMQBytesMessage, 221
activemq::commands::ActiveMQMessageTemplate, 431
activemq::commands::ActiveMQStreamMessage, 540
activemq::commands::Message, 2608
onTaskComplete
decaf::util::concurrent::TaskListener, 3848
onTaskCompleted
decaf::util::concurrent::PooledThreadListener, 3059
decaf::util::concurrent::ThreadPool, 3892
onTaskException
decaf::util::concurrent::PooledThreadListener, 3059
decaf::util::concurrent::TaskListener, 3848
decaf::util::concurrent::ThreadPool, 3893
onTaskStarted
decaf::util::concurrent::PooledThreadListener, 3059
decaf::util::concurrent::ThreadPool, 3893
onTransportException
activemq::transport::correlator::ResponseCorrelator, 3387
activemq::wireformat::openwire::OpenWireFormatNegotiator, 2988
op
code, 1216
opaque
z_stream_s, 4175
OPEN_FAILURE
decaf::util::logging::ErrorManager, 1886
OpenSSLContextSpi
decaf::internal::net::ssl::openssl::OpenSSLContextSpi, 2926
OpenSSLServerSocket
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2932
OpenSSLServerSocketFactory
decaf::internal::net::ssl::openssl::OpenSSLServerSocketFactory, 2938
OpenSSLSocket
decaf::internal::net::ssl::openssl::OpenSSLContextSpi, 2927
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2946
OpenSSLSocketException
decaf::internal::net::ssl::openssl::OpenSSLSocketException, 2956, 2957
OpenSSLSocketFactory
decaf::internal::net::ssl::openssl::OpenSSLContextSpi, 2927
decaf::internal::net::ssl::openssl::OpenSSLSocketFactory, 2962
OpenSSLSocketInputStream
decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream, 2967
OpenSSLSocketOutputStream
decaf::internal::net::ssl::openssl::OpenSSLSocketOutputStream, 2970
OpenWireFormat
activemq::wireformat::openwire::OpenWireFormat, 2974
OpenWireFormatFactory
activemq::wireformat::openwire::OpenWireFormatFactory, 2985
OpenWireFormatNegotiator
activemq::wireformat::openwire::OpenWireFormatNegotiator, 2986
OpenWireResponseBuilder
activemq::wireformat::openwire::OpenWireResponseBuilder, 2990
operationType
activemq::commands::DestinationInfo, 1784
operator<
activemq::commands::BrokerId, 877
activemq::commands::ConnectionId, 1368
activemq::commands::ConsumerId, 1476
activemq::commands::LocalTransactionId, 2424
activemq::commands::MessageId, 2754
activemq::commands::ProducerId, 3160
activemq::commands::SessionId, 3480

activemq::commands::TransactionId, 3935
activemq::commands::XATransactionId, 4146
decaf::lang::Boolean, 858, 859
decaf::lang::Byte, 974, 975
decaf::lang::Character, 1132
decaf::lang::Comparable, 1250
decaf::lang::Double, 1849
decaf::lang::Float, 1969
decaf::lang::Integer, 2151, 2152
decaf::lang::Long, 2503
decaf::lang::Short, 3544
decaf::net::URI, 4040
decaf::nio::ByteBuffer, 1068
decaf::nio::CharBuffer, 1159
decaf::nio::DoubleBuffer, 1873
decaf::nio::FloatBuffer, 1993
decaf::nio::IntBuffer, 2138
decaf::nio::LongBuffer, 2530
decaf::nio::ShortBuffer, 3568
decaf::util::concurrent::TimeUnit, 3924
decaf::util::Date, 1722
decaf::util::logging::Level, 2406
decaf::util::UUID, 4085
operator*
decaf::lang::Pointer, 3037
operator()
decaf::lang::ArrayPointerComparator, 745
decaf::lang::PointerComparator, 3041
decaf::util::Comparator, 1252
decaf::util::comparators::Less, 2401
std::less< decaf::lang::ArrayPointer< T > >, 2402
std::less< decaf::lang::Pointer< T > >, 2403
operator->
decaf::lang::Pointer, 3038
operator=
activemq::cmsutil::CachedConsumer, 1100
activemq::cmsutil::CachedProducer, 1105
activemq::cmsutil::CmsAccessor, 1187
activemq::cmsutil::CmsDestinationAccessor, 1190
activemq::cmsutil::CmsTemplate, 1208
activemq::cmsutil::CmsTemplate::ProducerExecutor, 3156
activemq::cmsutil::CmsTemplate::ReceiveExecutor, 3267
activemq::cmsutil::CmsTemplate::ResolveProducerExecutor, 3373
activemq::cmsutil::CmsTemplate::ResolveReceiveExecutor, 3374
activemq::cmsutil::CmsTemplate::SendExecutor, 3446
activemq::cmsutil::DynamicDestinationResolver, 1879
activemq::cmsutil::PooledSession, 3054
activemq::cmsutil::ResourceLifecycleManager, 3379
activemq::cmsutil::SessionPool, 3535
activemq::commands::BrokerId, 877
activemq::commands::ConnectionId, 1368
activemq::commands::ConsumerId, 1476
activemq::commands::LocalTransactionId, 2424
activemq::commands::MessageId, 2754
activemq::commands::ProducerId, 3160
activemq::commands::SessionId, 3480
activemq::commands::TransactionId, 3935
activemq::commands::XATransactionId, 4146
activemq::library::ActiveMQCPP, 312
activemq::util::PrimitiveValueNode, 3111
decaf::lang::ArrayPointer, 742
decaf::lang::Exception, 1892
decaf::lang::Pointer, 3038
decaf::util::AbstractCollection, 167
decaf::util::Date, 1722
decaf::util::logging::LogManager, 2485
decaf::util::PriorityQueue, 3122
decaf::util::Properties, 3223
operator==
activemq::commands::BrokerId, 877
activemq::commands::ConnectionId, 1368
activemq::commands::ConsumerId, 1476
activemq::commands::LocalTransactionId, 2424
activemq::commands::MessageId, 2754
activemq::commands::ProducerId, 3160
activemq::commands::SessionId, 3480
activemq::commands::TransactionId, 3935

activemq::commands::XATransactionId, 4146
activemq::util::PrimitiveValueNode, 3111
decaf::lang, 144
decaf::lang::ArrayPointer, 742, 744
decaf::lang::Boolean, 859
decaf::lang::Byte, 975
decaf::lang::Character, 1133
decaf::lang::Comparable, 1250
decaf::lang::Double, 1849, 1850
decaf::lang::Float, 1970
decaf::lang::Integer, 2152
decaf::lang::Long, 2504
decaf::lang::Pointer, 3039, 3040
decaf::lang::Short, 3544, 3545
decaf::net::URI, 4041
decaf::nio::ByteBuffer, 1068
decaf::nio::CharBuffer, 1160
decaf::nio::DoubleBuffer, 1873
decaf::nio::FloatBuffer, 1993
decaf::nio::IntBuffer, 2138
decaf::nio::LongBuffer, 2530
decaf::nio::ShortBuffer, 3568
decaf::util::concurrent::TimeUnit, 3924
decaf::util::Date, 1722
decaf::util::logging::Level, 2406
decaf::util::UUID, 4086
operator[]
activemq::wireformat::openwire::utils::HexTable, 2048, 2049
decaf::internal::util::ByteArrayAdapter, 996
decaf::lang::ArrayPointer, 742
opt_len
internal_state, 2191
optimizedAcknowledge
activemq::commands::ConsumerInfo, 1509
options
activemq::commands::ActiveMQDestination, 323
ordered
activemq::commands::ActiveMQDestination, 323
orderedTarget
activemq::commands::ActiveMQDestination, 323
originalDestination
activemq::commands::Message, 2613
originalTransactionId
activemq::commands::Message, 2613
OS
inflate.h, 4626
os
gz_header_s, 2039
OS_CODE
zutil.h, 4639
out
decaf::io::FileDescriptor, 1949
gz_state, 2041
OutputStream
decaf::io::OutputStream, 2993
outputStream
decaf::io::FilterOutputStream, 1961
OutputStreamWriter
decaf::io::OutputStreamWriter, 3000
own
decaf::io::FilterInputStream, 1957
decaf::io::FilterOutputStream, 1961
ownDeflater
decaf::util::zip::DeflaterOutputStream, 1774
ownInflater
decaf::util::zip::InflaterInputStream, 2105

PARAM_CLIENTID
activemq::core::ActiveMQConstants, 300
PARAM_PASSWORD
activemq::core::ActiveMQConstants, 300
PARAM_USERNAME
activemq::core::ActiveMQConstants, 300
parent
activemq::cmsutil::CmsTemplate::ProducerExecutor, 3156
activemq::cmsutil::CmsTemplate::ReceiveExecutor, 3267
park
decaf::util::concurrent::locks::LockSupport, 2459
parkNanos
decaf::util::concurrent::locks::LockSupport, 2460
parkUntil
decaf::util::concurrent::locks::LockSupport, 2460
parse

decaf::internal::util::HexStringParser, 2047
decaf::util::logging::Level, 2406
parseAuthority
decaf::internal::net::URIHelper, 4051
parseBoolean
decaf::lang::Boolean, 860
parseByte
decaf::lang::Byte, 976
parseComposite
activemq::util::URISupport, 4058
parseDouble
decaf::internal::util::HexStringParser, 2047
decaf::lang::Double, 1850
parseFloat
decaf::internal::util::HexStringParser, 2047
decaf::lang::Float, 1970
parseInt
decaf::lang::Integer, 2153
parseLong
decaf::lang::Long, 2504, 2505
parseQuery
activemq::util::URISupport, 4058, 4059
parseServerAuthority
decaf::net::URI, 4041
parseShort
decaf::lang::Short, 3545, 3546
parseURI
decaf::internal::net::URIHelper, 4051
parseURL
activemq::util::URISupport, 4059
PartialCommand
activemq::commands::PartialCommand, 3003
PartialCommandMarshaller
activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller, 3029
activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller, 3011
activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller, 3020
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller, 3025
activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller, 3016
activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller, 3007
password
activemq::commands::ConnectionInfo, 1399
path
gz_state, 2041
peek
activemq::core::MessageDispatchChannel, 2687
decaf::internal::util::TimerTaskHeap, 3919
decaf::util::concurrent::SynchronousQueue, 3834
decaf::util::PriorityQueue, 3122
decaf::util::Queue, 3242
peerBrokerInfos
activemq::commands::BrokerInfo, 910
pending
internal_state, 2191
pending_buf
internal_state, 2191
pending_buf_size
internal_state, 2191
pending_out
internal_state, 2191
PERSISTENT
cms::DeliveryMode, 1776
persistent
activemq::commands::Message, 2613
physicalName
activemq::commands::ActiveMQDestination, 323
PI
decaf::lang::Math, 2592
Pointer
decaf::lang::Pointer, 3035, 3036
PointerType
decaf::lang::ArrayPointer, 739
decaf::lang::Pointer, 3035
pollv1::PartialCommandMarshaller,
decaf::util::concurrent::BlockingQueue, 854
decaf::util::concurrent::SynchronousQueue, 3834, 3835
decaf::util::PriorityQueue, 3122
decaf::util::Queue, 3242
PooledSession
activemq::commands::PooledSession, 3045
PooledThread
decaf::lang::PooledThread, 3057
pop

decaf::util::StlQueue, 3727
port
decaf::net::SocketImpl, 3644
PortUnreachableException
decaf::net::PortUnreachableException, 3061, 3062
Pos
deflate.h, 4623
pos
gz_state, 2041
Posf
deflate.h, 4623
position
decaf::nio::Buffer, 941
POSITIVE_INFINITY
decaf::lang::Double, 1853
decaf::lang::Float, 1973
pow
decaf::lang::Math, 2585
prefetch
activemq::commands::ConsumerControl, 1446
PrefetchPolicy
activemq::core::PrefetchPolicy, 3064
prefetchSize
activemq::commands::ConsumerInfo, 1509
PRESET_DICT
zutil.h, 4639
prev
internal_state, 2191
prev_length
internal_state, 2191
prev_match
internal_state, 2191
previous
decaf::util::ListIterator, 2419
previousIndex
decaf::util::ListIterator, 2419
PrimitiveList
activemq::util::PrimitiveList, 3070
PrimitiveMap
activemq::util::PrimitiveMap, 3082
PrimitiveType
activemq::util::PrimitiveValueNode, 3104
PrimitiveTypesMarshaller
activemq::wireformat::openwire::marshal::PrimitiveTypesMarshaller, 3092
PrimitiveValueConverter
activemq::util::PrimitiveValueConverter, 3099
PrimitiveValueNode
activemq::util::PrimitiveValueNode, 3104–3107
printStackTrace
cms::CMSException, 1193
decaf::lang::Exception, 1892
decaf::lang::Throwable, 3898
priority
activemq::commands::ConsumerInfo, 1509
activemq::commands::Message, 2613
PriorityQueue
decaf::util::PriorityQueue, 3118, 3119
PriorityQueueIterator
decaf::util::PriorityQueue, 3124
processBeginTransaction
activemq::state::CommandVisitor, 1235
activemq::state::CommandVisitorAdapter, 1245
activemq::state::ConnectionStateTracker, 1435
processBrokerError
activemq::state::CommandVisitor, 1235
activemq::state::CommandVisitorAdapter, 1245
processBrokerInfo
activemq::state::CommandVisitor, 1236
activemq::state::CommandVisitorAdapter, 1245
processCommitTransactionOnePhase
activemq::state::CommandVisitor, 1236
activemq::state::CommandVisitorAdapter, 1245
activemq::state::ConnectionStateTracker, 1435
processCommitTransactionTwoPhase
activemq::state::CommandVisitor, 1236
activemq::state::CommandVisitorAdapter, 1245
activemq::state::ConnectionStateTracker, 1436
processConnectionControl
activemq::state::CommandVisitor, 1236
activemq::state::CommandVisitorAdapter, 1245
processConnectionError
activemq::state::CommandVisitor, 1236

activemq::state::CommandVisitorAdapter, 1245
processConnectionInfo
activemq::state::CommandVisitor, 1236
activemq::state::CommandVisitorAdapter, 1245
activemq::state::ConnectionStateTracker, 1436
processConsumerControl
activemq::state::CommandVisitor, 1236
activemq::state::CommandVisitorAdapter, 1245
processConsumerInfo
activemq::state::CommandVisitor, 1237
activemq::state::CommandVisitorAdapter, 1245
activemq::state::ConnectionStateTracker, 1436
processControlCommand
activemq::state::CommandVisitor, 1237
activemq::state::CommandVisitorAdapter, 1245
processDestinationInfo
activemq::state::CommandVisitor, 1237
activemq::state::CommandVisitorAdapter, 1245
activemq::state::ConnectionStateTracker, 1436
processEndTransaction
activemq::state::CommandVisitor, 1237
activemq::state::CommandVisitorAdapter, 1245
activemq::state::ConnectionStateTracker, 1436
processFlushCommand
activemq::state::CommandVisitor, 1237
activemq::state::CommandVisitorAdapter, 1245
processForgetTransaction
activemq::state::CommandVisitor, 1238
activemq::state::CommandVisitorAdapter, 1245
processKeepAliveInfo
activemq::state::CommandVisitor, 1238
activemq::state::CommandVisitorAdapter, 1245
processMessage
activemq::state::CommandVisitor, 1238
activemq::state::CommandVisitorAdapter, 1245
activemq::state::ConnectionStateTracker, 1436
processMessageAck
activemq::state::CommandVisitor, 1238
activemq::state::CommandVisitorAdapter, 1245
activemq::state::ConnectionStateTracker, 1437
processMessageDispatch
activemq::state::CommandVisitor, 1238
activemq::state::CommandVisitorAdapter, 1245
processMessageDispatchNotification
activemq::state::CommandVisitor, 1239
activemq::state::CommandVisitorAdapter, 1245
processMessagePull
activemq::state::CommandVisitor, 1239
activemq::state::CommandVisitorAdapter, 1245
processPrepareTransaction
activemq::state::CommandVisitor, 1239
activemq::state::CommandVisitorAdapter, 1245
activemq::state::ConnectionStateTracker, 1437
processProducerAck
activemq::state::CommandVisitor, 1239
activemq::state::CommandVisitorAdapter, 1245
processProducerInfo
activemq::state::CommandVisitor, 1239
activemq::state::CommandVisitorAdapter, 1245
activemq::state::ConnectionStateTracker, 1437
processRecoverTransactions
activemq::state::CommandVisitor, 1239
activemq::state::CommandVisitorAdapter, 1245
processRemoveConnection
activemq::state::CommandVisitor, 1239
activemq::state::CommandVisitorAdapter, 1245
activemq::state::ConnectionStateTracker, 1437
processRemoveConsumer
activemq::state::CommandVisitor, 1239
activemq::state::CommandVisitorAdapter, 1245

activemq::state::ConnectionStateTracker, 1437
processRemoveDestination
activemq::state::CommandVisitor, 1240
activemq::state::CommandVisitorAdapter, 1245
activemq::state::ConnectionStateTracker, 1437
processRemoveInfo
activemq::state::CommandVisitor, 1240
activemq::state::CommandVisitorAdapter, 1245
processRemoveProducer
activemq::state::CommandVisitor, 1240
activemq::state::CommandVisitorAdapter, 1246
activemq::state::ConnectionStateTracker, 1438
processRemoveSession
activemq::state::CommandVisitor, 1240
activemq::state::CommandVisitorAdapter, 1247
activemq::state::ConnectionStateTracker, 1438
processRemoveSubscriptionInfo
activemq::state::CommandVisitor, 1240
activemq::state::CommandVisitorAdapter, 1247
processReplayCommand
activemq::state::CommandVisitor, 1241
activemq::state::CommandVisitorAdapter, 1247
processResponse
activemq::state::CommandVisitor, 1241
activemq::state::CommandVisitorAdapter, 1247
processRollbackTransaction
activemq::state::CommandVisitor, 1241
activemq::state::CommandVisitorAdapter, 1247
activemq::state::ConnectionStateTracker, 1438
processSessionInfo
activemq::state::CommandVisitor, 1241
activemq::state::CommandVisitorAdapter, 1247
activemq::state::ConnectionStateTracker, 1438
processShutdownInfo
activemq::state::CommandVisitor, 1241
activemq::state::CommandVisitorAdapter, 1247
processTransactionInfo
activemq::state::CommandVisitor, 1241
activemq::state::CommandVisitorAdapter, 1247
processWireFormat
activemq::state::CommandVisitor, 1241
activemq::state::CommandVisitorAdapter, 1248
PRODUCER_ADVISORY_PREFIX
activemq::commands::ActiveMQDestination, 323
ProducerAck
activemq::commands::ProducerAck, 3126
ProducerAckMarshaller
activemq::wireformat::openwire::marshal::v1::ProducerAckM 3151
activemq::wireformat::openwire::marshal::v2::ProducerAckM 3130
activemq::wireformat::openwire::marshal::v3::ProducerAckM 3138
activemq::wireformat::openwire::marshal::v4::ProducerAckM 3134
activemq::wireformat::openwire::marshal::v5::ProducerAckM 3142
activemq::wireformat::openwire::marshal::v6::ProducerAckM 3147
ProducerExecutor
activemq::cmsutil::CmsTemplate, 1215
activemq::cmsutil::CmsTemplate::ProducerExecutor, 3156
ProducerId
activemq::commands::ProducerId, 3158
producerId
activemq::commands::Message, 2613
activemq::commands::MessageId, 2755
activemq::commands::ProducerAck, 3128
activemq::commands::ProducerInfo, 3190
ProducerIdMarshaller
activemq::wireformat::openwire::marshal::v1::ProducerIdMar 3182
activemq::wireformat::openwire::marshal::v2::ProducerIdMar 3162
activemq::wireformat::openwire::marshal::v3::ProducerIdMar 3170
activemq::wireformat::openwire::marshal::v4::ProducerIdMar 3166
activemq::wireformat::openwire::marshal::v5::ProducerIdMar 3174

activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller, 3178
ProducerInfo
activemq::commands::ProducerInfo, 3187
ProducerInfoMarshaller
activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller, 3200
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller, 3196
activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller, 3208
activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller, 3191
activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller, 3204
activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller, 3213
producerSequenceId
activemq::commands::MessageId, 2755
ProducerState
activemq::state::ProducerState, 3216
Properties
decaf::util::Properties, 3219
propertyExists
activemq::commands::ActiveMQMessageTemplate, 431
cms::Message, 2632
propertyNames
decaf::util::Properties, 3223
ProtocolException
decaf::net::ProtocolException, 3229, 3230
providerGenerateSeed
decaf::internal::security::SecureRandomImpl, 3430, 3431
decaf::security::SecureRandomSpi, 3433
providerGetDefaultSSLParameters
decaf::net::ssl::SSLContextSpi, 3656
providerGetServerSocketFactory
decaf::internal::net::ssl::openssl::OpenSSLContextSpi, 2926
decaf::net::ssl::SSLContextSpi, 3657
providerGetSocketFactory
decaf::internal::net::ssl::openssl::OpenSSLContextSpi, 2926
decaf::net::ssl::SSLContextSpi, 3657
providerGetSupportedSSLParameters
decaf::net::ssl::SSLContextSpi, 3658
providerInit
decaf::internal::net::ssl::openssl::OpenSSLContextSpi, 2927
decaf::net::ssl::SSLContextSpi, 3658
providerNextBytes
decaf::internal::security::SecureRandomImpl, 3431
decaf::security::SecureRandomSpi, 3433
providerSetSeed
decaf::internal::security::SecureRandomImpl, 3432
decaf::security::SecureRandomSpi, 3434
publish
decaf::util::logging::ConsoleHandler, 1441
decaf::util::logging::Handler, 2044
decaf::util::logging::StreamHandler, 3759
purge
decaf::util::Timer, 3904
push
decaf::util::StlQueue, 3728
PushbackInputStream
decaf::io::PushbackInputStream, 3233, 3234
put
decaf::internal::nio::ByteArrayBuffer, 1030, 1031
decaf::internal::nio::CharArrayBuffer, 1145, 1146
decaf::internal::nio::DoubleArrayBuffer, 1863
decaf::internal::nio::FloatArrayBuffer, 1983, 1984
decaf::internal::nio::IntArrayBuffer, 2128, 2129
decaf::internal::nio::LongArrayBuffer, 2520, 2521
decaf::internal::nio::ShortArrayBuffer, 3558
decaf::internal::util::ByteArrayAdapter, 996,
decaf::nio::ByteBuffer, 1068–1071
decaf::nio::CharBuffer, 1160–1163
decaf::nio::DoubleBuffer, 1873–1875
decaf::nio::FloatBuffer, 1993–1996
decaf::nio::IntBuffer, 2138–2141
decaf::nio::LongBuffer, 2530–2533
decaf::nio::ShortBuffer, 3568–3570
decaf::util::concurrent::BlockingQueue, 854

decaf::util::concurrent::ConcurrentStlMap, 1275
decaf::util::concurrent::SynchronousQueue, 3835
decaf::util::Map, 2547
decaf::util::StlMap, 3718
put_byte
deflate.h, 4623
putAll
decaf::util::concurrent::ConcurrentStlMap, 1275, 1276
decaf::util::Map, 2547
decaf::util::StlMap, 3718
putChar
decaf::internal::nio::ByteArrayBuffer, 1031, 1032
decaf::internal::util::ByteArrayAdapter, 997
decaf::nio::ByteBuffer, 1071, 1072
putDouble
decaf::internal::nio::ByteArrayBuffer, 1032, 1033
decaf::internal::util::ByteArrayAdapter, 997
decaf::nio::ByteBuffer, 1072, 1073
putDoubleAt
decaf::internal::util::ByteArrayAdapter, 998
putFloat
decaf::internal::nio::ByteArrayBuffer, 1033, 1034
decaf::internal::util::ByteArrayAdapter, 998
decaf::nio::ByteBuffer, 1073, 1074
putFloatAt
decaf::internal::util::ByteArrayAdapter, 999
putIfAbsent
decaf::util::concurrent::ConcurrentMap, 1261
decaf::util::concurrent::ConcurrentStlMap, 1276
putInt
decaf::internal::nio::ByteArrayBuffer, 1034, 1035
decaf::internal::util::ByteArrayAdapter, 999
decaf::nio::ByteBuffer, 1074, 1075
putIntAt
decaf::internal::util::ByteArrayAdapter, 999
putLong
decaf::internal::nio::ByteArrayBuffer, 1035, 1036
decaf::internal::util::ByteArrayAdapter, 1000
decaf::nio::ByteBuffer, 1075, 1076
putLongAt
decaf::internal::util::ByteArrayAdapter, 1000
putShort
decaf::internal::nio::ByteArrayBuffer, 1036, 1037
decaf::internal::util::ByteArrayAdapter, 1001
decaf::nio::ByteBuffer, 1076, 1077
putShortAt
decaf::internal::util::ByteArrayAdapter, 1001

QUEUE
cms::Destination, 1777
QUEUE_PREFIX
activemq::wireformat::stomp::StompCommandConstants, 3740
QUEUE_QUALIFIED_PREFIX
activemq::commands::ActiveMQDestination, 323
queueTask
decaf::util::concurrent::ThreadPool, 3893
quoteIllegal
decaf::internal::net::URIEncoderDecoder, 4045

Random
decaf::util::Random, 3247
random
decaf::lang::Math, 2585
randomUUID
decaf::util::UUID, 4086
raw
gz_state, 2041
reached
decaf::net::InetAddress, 2085
read
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2950
decaf::internal::net::tcp::TcpSocket, 3858

decaf::internal::util::ByteArrayAdapter, 1002
decaf::io::InputStream, 2110–2112
decaf::io::Reader, 3257–3259
decaf::lang::Readable, 3252
decaf::nio::CharBuffer, 1164
readAsciiString
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 826
readBoolean
activemq::commands::ActiveMQBytesMessage, 221
activemq::commands::ActiveMQStreamMessage, 540
activemq::wireformat::openwire::utils::BooleanStream, 865
cms::BytesMessage, 1084
cms::StreamMessage, 3763
decaf::io::DataInput, 1605
decaf::io::DataInputStream, 1615
readByte
activemq::commands::ActiveMQBytesMessage, 222
activemq::commands::ActiveMQStreamMessage, 541
cms::BytesMessage, 1084
cms::StreamMessage, 3763
decaf::io::DataInput, 1605
decaf::io::DataInputStream, 1615
readBytes
activemq::commands::ActiveMQBytesMessage, 222, 223
activemq::commands::ActiveMQStreamMessage, 541, 542
cms::BytesMessage, 1085, 1086
cms::StreamMessage, 3764, 3765
readChar
activemq::commands::ActiveMQBytesMessage, 224
activemq::commands::ActiveMQStreamMessage, 543
cms::BytesMessage, 1087
cms::StreamMessage, 3766
decaf::io::DataInput, 1606
decaf::io::DataInputStream, 1615
ReadChecker
activemq::transport::inactivity::InactivityMonitor, 2069
activemq::transport::inactivity::ReadChecker, 3253
readConfiguration
decaf::util::logging::LogManager, 2485, 2486
readDouble
activemq::commands::ActiveMQBytesMessage, 224
activemq::commands::ActiveMQStreamMessage, 544
cms::BytesMessage, 1087
cms::StreamMessage, 3766
decaf::io::DataInput, 1606
decaf::io::DataInputStream, 1616
readFloat
activemq::commands::ActiveMQBytesMessage, 225
activemq::commands::ActiveMQStreamMessage, 544
cms::BytesMessage, 1087
cms::StreamMessage, 3767
decaf::io::DataInput, 1606
decaf::io::DataInputStream, 1616
readFully
decaf::io::DataInput, 1607, 1608
decaf::io::DataInputStream, 1617
readInt
activemq::commands::ActiveMQBytesMessage, 225
activemq::commands::ActiveMQStreamMessage, 544
cms::BytesMessage, 1088
cms::StreamMessage, 3767
decaf::io::DataInput, 1608
decaf::io::DataInputStream, 1618
readLine
decaf::io::DataInput, 1609
decaf::io::DataInputStream, 1618
readLock
decaf::util::concurrent::locks::ReadWriteLock, 3265
readLong
activemq::commands::ActiveMQBytesMessage, 225
activemq::commands::ActiveMQStreamMessage, 545
cms::BytesMessage, 1088
cms::StreamMessage, 3768
decaf::io::DataInput, 1609
decaf::io::DataInputStream, 1619

readOnly
decaf::internal::nio::CharArrayBuffer, 1148
readonly
decaf::io::FileDescriptor, 1949
ReadOnlyBufferException
decaf::nio::ReadOnlyBufferException, 3261, 3262
readShort
activemq::commands::ActiveMQBytesMessage, 226
activemq::commands::ActiveMQStreamMessage, 545
cms::BytesMessage, 1089
cms::StreamMessage, 3768
decaf::io::DataInput, 1610
decaf::io::DataInputStream, 1619
readString
activemq::commands::ActiveMQBytesMessage, 226
activemq::commands::ActiveMQStreamMessage, 546
cms::BytesMessage, 1089
cms::StreamMessage, 3769
decaf::io::DataInput, 1610
decaf::io::DataInputStream, 1620
readString16
activemq::util::MarshallingSupport, 2573
readString32
activemq::util::MarshallingSupport, 2573
readUnsignedByte
decaf::io::DataInput, 1610
decaf::io::DataInputStream, 1620
readUnsignedShort
activemq::commands::ActiveMQBytesMessage, 227
activemq::commands::ActiveMQStreamMessage, 546
cms::BytesMessage, 1090
cms::StreamMessage, 3770
decaf::io::DataInput, 1611
decaf::io::DataInputStream, 1620
readUTF
activemq::commands::ActiveMQBytesMessage, 227
cms::BytesMessage, 1090
decaf::io::DataInput, 1611
decaf::io::DataInputStream, 1621
ready
decaf::io::InputStreamReader, 2118
decaf::io::Reader, 3259
rebalanceConnection
activemq::commands::ConnectionControl, 1306
RECEIPT
activemq::wireformat::stomp::StompCommandConstants, 3740
receive
activemq::cmsutil::CachedConsumer, 1100
activemq::cmsutil::CmsTemplate, 1208, 1209
activemq::core::ActiveMQConsumer, 308
cms::MessageConsumer, 2676
RECEIVE_TIMEOUT_INDEFINITE_WAIT
activemq::cmsutil::CmsTemplate, 1215
RECEIVE_TIMEOUT_NO_WAIT
activemq::cmsutil::CmsTemplate, 1215
ReceiveExecutor
activemq::cmsutil::CmsTemplate, 1215
activemq::cmsutil::CmsTemplate::ReceiveExecutor, 3266
receiveNoWait
activemq::cmsutil::CachedConsumer, 1100
activemq::core::ActiveMQConsumer, 309
cms::MessageConsumer, 2677
receiveSelected
activemq::cmsutil::CmsTemplate, 1209, 1210
recievedByDFBridge
activemq::commands::Message, 2613
reconnect
activemq::transport::failover::FailoverTransport, 1938
activemq::transport::IOTransport, 2217
activemq::transport::mock::MockTransport, 2860
activemq::transport::Transport, 4000
activemq::transport::TransportFilter, 4010
reconnectTo
activemq::commands::ConnectionControl, 1306
recover
activemq::cmsutil::PooledSession, 3054
activemq::core::ActiveMQSession, 528
cms::Session, 3473
redeliveryCounter

activemq::commands::Message, 2613
activemq::commands::MessageDispatch, 2683
RedeliveryPolicy
activemq::core::RedeliveryPolicy, 3269
redispatch
activemq::core::ActiveMQSession, 529
ReentrantLock
decaf::util::concurrent::locks::ReentrantLock, 3275
ReferenceType
decaf::lang::ArrayPointer, 739
decaf::lang::Pointer, 3035
registerFactory
activemq::transport::TransportRegistry, 4017
activemq::wireformat::WireFormatRegistry, 4131
rejectedExecution
decaf::util::concurrent::RejectedExecutionHandler, 3283
RejectedExecutionException
decaf::util::concurrent::RejectedExecutionException, 3281, 3282
relativize
decaf::net::URI, 4041
release
decaf::lang::ArrayPointer, 743
decaf::lang::Pointer, 3039
decaf::util::concurrent::atomic::AtomicRefCounter, 755
decaf::util::concurrent::Semaphore, 3441
releaseAll
activemq::cmsutil::ResourceLifecycleManager, 3379
remaining
decaf::nio::Buffer, 941
remainingCapacity
decaf::util::concurrent::BlockingQueue, 855
decaf::util::concurrent::SynchronousQueue, 3836
remove
activemq::util::ActiveMQProperties, 478
cms::CMSProperties, 1198
decaf::internal::util::TimerTaskHeap, 3919
decaf::util::AbstractCollection, 168
decaf::util::AbstractQueue, 179
decaf::util::Collection, 1223
decaf::util::concurrent::ConcurrentMap, 1262
decaf::util::concurrent::ConcurrentStlMap, 1277
decaf::util::concurrent::SynchronousQueue, 3836
decaf::util::Iterator, 2223
decaf::util::List, 2415
decaf::util::Map, 2548
decaf::util::PriorityQueue, 3123
decaf::util::Properties, 3224
decaf::util::Queue, 3243
decaf::util::StlList, 3706
decaf::util::StlMap, 3719
decaf::util::StlSet, 3737
removeAll
activemq::core::MessageDispatchChannel, 2688
decaf::util::AbstractCollection, 169
decaf::util::AbstractSet, 181
decaf::util::Collection, 1224
decaf::util::concurrent::SynchronousQueue, 3837
removeConsumer
activemq::core::ActiveMQSession, 529
activemq::state::SessionState, 3537
removeDispatcher
activemq::core::ActiveMQConnection, 275
removeHandler
decaf::util::logging::Logger, 2472
RemoveInfo
activemq::commands::RemoveInfo, 3285
RemoveInfoMarshaller
activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller, 3302
activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller, 3289
activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller, 3297
activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller, 3310
activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller, 3306
activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller, 3293
removeProducer
activemq::core::ActiveMQConnection, 275
activemq::core::ActiveMQSession, 529

activemq::state::SessionState, 3537
removeProperty
activemq::wireformat::stomp::StompFrame, 3744
removePropertyChangeListener
decaf::util::logging::LogManager, 2486
removeSession
activemq::core::ActiveMQConnection, 275
activemq::state::ConnectionState, 1432
RemoveSubscriptionInfo
activemq::commands::RemoveSubscriptionInfo, 3315
RemoveSubscriptionInfoMarshaller
activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller, 3319
activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller, 3328
activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller, 3323
activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller, 3340
activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller, 3336
activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller, 3332
removeSynchronization
activemq::core::ActiveMQTransactionContext, 729
removeTask
activemq::threads::CompositeTaskRunner, 1257
removeTempDestination
activemq::state::ConnectionState, 1432
RemoveTransactionAction
activemq::state::ConnectionStateTracker, 1439
removeTransactionState
activemq::state::ConnectionState, 1432
removeTransportListener
activemq::core::ActiveMQConnection, 275
removeURI
activemq::transport::CompositeTransport, 1260
activemq::transport::failover::FailoverTransport, 1938
activemq::transport::failover::URIPool, 4056
renegotiateWireFormat
activemq::wireformat::openwire::OpenWireFormat, 2979
replace
decaf::util::concurrent::ConcurrentMap, 1263, 1264
decaf::util::concurrent::ConcurrentStlMap, 1278, 1279
ReplayCommand
activemq::commands::ReplayCommand, 3345
ReplayCommandMarshaller
activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller, 3352
activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller, 3357
activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller, 3361
activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller, 3348
activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller, 3369
activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller, 3365
replyTo
activemq::commands::Message, 2613
reportError
decaf::util::logging::Handler, 2045
request
activemq::transport::correlator::ResponseCorrelator, 3387
activemq::transport::failover::FailoverTransport, 1938, 1939
activemq::transport::IOTransport, 2218
activemq::transport::logging::LoggingTransport, 2479
activemq::transport::mock::MockTransport, 2861
activemq::transport::Transport, 4000, 4001
activemq::transport::TransportFilter, 4011
activemq::wireformat::openwire::OpenWireFormatNegotiator, 2988
reserve
decaf::util::concurrent::ThreadPool, 3893
reserved
z_stream_s, 4175
reset
activemq::commands::ActiveMQBytesMessage, 228

activemq::commands::ActiveMQStreamMessage, 547
activemq::state::ConnectionState, 1432
cms::BytesMessage, 1091
decaf::internal::util::TimerTaskHeap, 3919
decaf::io::BufferedInputStream, 947
decaf::io::ByteArrayInputStream, 1044
decaf::io::ByteArrayOutputStream, 1048
decaf::io::FilterInputStream, 1955
decaf::io::InputStream, 2113
decaf::io::PushbackInputStream, 3236
decaf::io::Reader, 3260
decaf::lang::ArrayPointer, 743
decaf::lang::Pointer, 3039
decaf::nio::Buffer, 941
decaf::util::logging::LogManager, 2486
decaf::util::StringTokenizer, 3781
decaf::util::zip::Adler32, 731
decaf::util::zip::Checksum, 1175
decaf::util::zip::CRC32, 1569
decaf::util::zip::Deflater, 1764
decaf::util::zip::Inflater, 2093
decaf::util::zip::InflaterInputStream, 2103
resize
decaf::internal::util::ByteArrayAdapter, 1002
resolve
decaf::net::URI, 4042
resolveDestinationName
activemq::cmsutil::CmsDestinationAccessor, 1190
activemq::cmsutil::DestinationResolver, 1811
activemq::cmsutil::DynamicDestinationResolver, 1880
ResolveProducerExecutor
activemq::cmsutil::CmsTemplate, 1215
activemq::cmsutil::CmsTemplate::ResolveProducerExecutor, 3373
ResolveReceiveExecutor
activemq::cmsutil::CmsTemplate, 1215
activemq::cmsutil::CmsTemplate::ResolveReceiveExecutor, 3374
ResourceLifecycleManager
activemq::cmsutil::ResourceLifecycleManager, 3377
decaf::internal::util::ResourceLifecycleManager, 3376
Response
activemq::commands::Response, 3380
ResponseCorrelator
activemq::transport::correlator::ResponseCorrelator, 3385
ResponseMarshaller
activemq::wireformat::openwire::marshal::v1::ResponseMarshaller, 3410
activemq::wireformat::openwire::marshal::v2::ResponseMarshaller, 3395
activemq::wireformat::openwire::marshal::v3::ResponseMarshaller, 3405
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller, 3390
activemq::wireformat::openwire::marshal::v5::ResponseMarshaller, 3400
activemq::wireformat::openwire::marshal::v6::ResponseMarshaller, 3415
restore
activemq::state::ConnectionStateTracker, 1438
restoreTransport
activemq::transport::failover::FailoverTransport, 1939
result
activemq::commands::IntegerResponse, 2162
resume
activemq::commands::ConnectionControl, 1306
retainAll
decaf::util::AbstractCollection, 169
decaf::util::Collection, 1225
decaf::util::concurrent::SynchronousQueue, 3837
retroactive
activemq::commands::ConsumerInfo, 1509
returnInstance
decaf::internal::util::logging::LogWriter, 2494
returnSession
activemq::cmsutil::SessionPool, 3535
reverse
decaf::lang::Integer, 2154
decaf::lang::Long, 2505
decaf::util::StlQueue, 3728
reverseBytes
decaf::lang::Integer, 2154
decaf::lang::Long, 2505
decaf::lang::Short, 3546
rewind

decaf::nio::Buffer, 942
rollback
activemq::cmsutil::PooledSession, 3055
activemq::core::ActiveMQConsumer, 309
activemq::core::ActiveMQSession, 530
activemq::core::ActiveMQTransactionContext, 729
cms::Session, 3474
rotateLeft
decaf::lang::Integer, 2154
decaf::lang::Long, 2506
rotateRight
decaf::lang::Integer, 2155
decaf::lang::Long, 2506
round
decaf::lang::Math, 2586
run
activemq::threads::CompositeTaskRunner, 1258
activemq::threads::DedicatedTaskRunner, 1725
activemq::transport::inactivity::ReadChecker, 3253
activemq::transport::inactivity::WriteChecker, 4133
activemq::transport::IOTransport, 2219
activemq::transport::mock::InternalCommandListener, 2193
decaf::lang::Runnable, 3419
decaf::lang::Thread, 3884
decaf::util::concurrent::PooledThread, 3057
RUNNABLE
decaf::lang::Thread, 3880
RuntimeException
decaf::lang::exceptions::RuntimeException, 3422, 3423

sane
inflate_state, 2087
schedule
decaf::util::Timer, 3904–3910
scheduleAtFixedRate
decaf::util::Timer, 3910–3913
scheduledExecutionTime
decaf::util::TimerTask, 3916
SECONDS
decaf::util::concurrent::TimeUnit, 3929
SecureRandom
decaf::security::SecureRandom, 3426
SecureRandomImpl
decaf::internal::security::SecureRandomImpl, 3430
SecureRandomSpi
decaf::security::SecureRandomSpi, 3433
Sent
gz_state, 2041
SEEK_CUR
zconf.h, 4632
SEEK_END
zconf.h, 4632
SEEK_SET
zconf.h, 4632
selector
activemq::cmsutil::CmsTemplate::ReceiveExecutor, 3267
activemq::commands::ConsumerInfo, 1509
activemq::commands::SubscriptionInfo, 3786
Semaphore
decaf::util::concurrent::Semaphore, 3437
semaphore
decaf::util::concurrent::ConditionHandle, 1291
SEND
activemq::wireformat::stomp::StompCommandConstants, 3740
send
activemq::cmsutil::CachedProducer, 1105, 1106
activemq::cmsutil::CmsTemplate, 1210, 1211
activemq::core::ActiveMQProducer, 471, 472
activemq::core::ActiveMQSession, 530
cms::MessageProducer, 2813–2815
SendExecutor
activemq::cmsutil::CmsTemplate, 1215
activemq::cmsutil::CmsTemplate::SendExecutor, 3446
sendPullRequest
activemq::core::ActiveMQConnection, 276
sendUrgentData
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2951
decaf::net::Socket, 3621
decaf::net::SocketImpl, 3642

ServerSocket
decaf::net::ServerSocket, 3449–3451
decaf::net::Socket, 3625
ServerSocketFactory
decaf::net::ServerSocketFactory, 3458
serviceName
activemq::commands::DiscoveryEvent, 1815
SESSION_TRANSACTED
cms::Session, 3464
SessionId
activemq::commands::SessionId, 3478
sessionId
activemq::commands::ConsumerId, 1476
activemq::commands::ProducerId, 3161
activemq::commands::SessionInfo, 3508
SessionIdMarshaller
activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller, 3502
activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller, 3482
activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller, 3498
activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller, 3486
activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller, 3494
activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller, 3490
SessionInfo
activemq::commands::SessionInfo, 3506
SessionInfoMarshaller
activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller, 3518
activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller, 3527
activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller, 3522
activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller, 3531
activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller, 3514
activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller, 3510
SessionPool
activemq::cmsutil::SessionPool, 3535
SessionState
activemq::state::SessionState, 3537
set
decaf::util::concurrent::atomic::AtomicBoolean, 747
decaf::util::concurrent::atomic::AtomicInteger, 753
decaf::util::concurrent::atomic::AtomicReference, 758
decaf::util::List, 2416
decaf::util::ListIterator, 2419
decaf::util::StlList, 3707
setAbsolute
decaf::internal::net::URIType, 4068
setAckHandler
activemq::commands::Message, 2608
setAckMode
activemq::commands::SessionInfo, 3507
setAckType
activemq::commands::MessageAck, 2646
setAdditionalPredicate
activemq::commands::ConsumerInfo, 1507
setAdvisory
activemq::core::ActiveMQDestination, 320
setAlwaysSyncSend
activemq::core::ActiveMQConnection, 276
activemq::core::ActiveMQConnectionFactory, 289
setArrival
activemq::commands::Message, 2609
setAuthority
decaf::internal::net::URIType, 4069
setBackOffMultiplier
activemq::core::policies::DefaultRedeliveryPolicy, 1733
activemq::core::RedeliveryPolicy, 3271
activemq::transport::failover::FailoverTransport, 1940
setBackup
activemq::transport::failover::FailoverTransport, 1940
setBackupPoolSize
activemq::transport::failover::BackupTransportPool, 764
activemq::transport::failover::FailoverTransport, 1940
setBlockSize
decaf::util::concurrent::ThreadPool, 3894
setBody

activemq::wireformat::stomp::StompFrame, 3745
setBodyBytes
activemq::commands::ActiveMQBytesMessage, 228
cms::BytesMessage, 1091
setBool
activemq::util::PrimitiveList, 3075
activemq::util::PrimitiveMap, 3087
activemq::util::PrimitiveValueNode, 3111
setBoolean
activemq::commands::ActiveMQMapMessage, 360
cms::MapMessage, 2558
setBooleanProperty
activemq::commands::ActiveMQMessageTemplate, 431
activemq::wireformat::openwire::utils::MessagePropertyInterceptor, 2822
cms::Message, 2632
setBranchQualifier
activemq::commands::XATransactionId, 4146
setBrokerId
activemq::commands::BrokerInfo, 908
setBrokerInTime
activemq::commands::Message, 2609
setBrokerMasterConnector
activemq::commands::ConnectionInfo, 1398
setBrokerName
activemq::commands::BrokerInfo, 908
activemq::commands::DiscoveryEvent, 1814
setBrokerOutTime
activemq::commands::Message, 2609
setBrokerPath
activemq::commands::ConnectionInfo, 1398
activemq::commands::ConsumerInfo, 1507
activemq::commands::DestinationInfo, 1783
activemq::commands::Message, 2609
activemq::commands::ProducerInfo, 3188
setBrokerSequenceId
activemq::commands::MessageId, 2754
setBrokerUploadUrl
activemq::commands::BrokerInfo, 908
setBrokerURL
activemq::commands::BrokerInfo, 908
activemq::core::ActiveMQConnection, 276
activemq::core::ActiveMQConnectionFactory, 289
setBrowser
activemq::commands::ConsumerInfo, 1507
setByte
activemq::commands::ActiveMQMapMessage, 360
activemq::util::PrimitiveList, 3075
activemq::util::PrimitiveMap, 3087
activemq::util::PrimitiveValueNode, 3112
cms::MapMessage, 2559
setByteArray
activemq::util::PrimitiveList, 3076
activemq::util::PrimitiveMap, 3087
activemq::util::PrimitiveValueNode, 3112
decaf::io::BlockingByteArrayInputStream, 847
decaf::io::ByteArrayInputStream, 1045
setByteProperty
activemq::commands::ActiveMQMessageTemplate, 432
activemq::wireformat::openwire::utils::MessagePropertyInterc
2822
cms::Message, 2633
setBytes
activemq::commands::ActiveMQMapMessage, 361
cms::MapMessage, 2559
setCacheEnabled
activemq::commands::WireFormatInfo, 4101
activemq::wireformat::openwire::OpenWireFormat, 2980
setCacheSize
activemq::commands::WireFormatInfo, 4101
activemq::wireformat::openwire::OpenWireFormat, 2980
setCause
activemq::commands::BrokerError, 871
setChar
activemq::commands::ActiveMQMapMessage, 361
activemq::util::PrimitiveList, 3076
activemq::util::PrimitiveMap, 3088
activemq::util::PrimitiveValueNode, 3112

cms::MapMessage, 2560
setCipherSuites
decaf::net::ssl::SSLParameters, 3660
setClientID
activemq::core::ActiveMQConnection, 276
cms::Connection, 1300
setClientId
activemq::commands::ConnectionInfo, 1398
activemq::commands::JournalTopicAck, 2255
activemq::commands::RemoveSubscriptionInfo, 3316
activemq::commands::SubscriptionInfo, 3785
activemq::core::ActiveMQConnectionFactory, 290
setClientMaster
activemq::commands::ConnectionInfo, 1398
setClose
activemq::commands::ConnectionControl, 1305
activemq::commands::ConsumerControl, 1445
setClosed
activemq::transport::failover::BackupTransport, 761
setCloseTimeout
activemq::core::ActiveMQConnection, 277
activemq::core::ActiveMQConnectionFactory, 290
setCluster
activemq::commands::Message, 2609
setCMSCorrelationID
activemq::commands::ActiveMQMessageTemplate, 432
cms::Message, 2633
setCMSDeliveryMode
activemq::commands::ActiveMQMessageTemplate, 432
cms::Message, 2634
setCMSDestination
activemq::commands::ActiveMQMessageTemplate, 433
cms::Message, 2635
setCMSExpiration
activemq::commands::ActiveMQMessageTemplate, 433
cms::Message, 2635
setCMSMessageID
activemq::commands::ActiveMQMessageTemplate, 433
cms::Message, 2636
setCMSPriority
activemq::commands::ActiveMQMessageTemplate, 433
cms::Message, 2636
setCMSRedelivered
activemq::commands::ActiveMQMessageTemplate, 434
cms::Message, 2637
setCMSReplyTo
activemq::commands::ActiveMQMessageTemplate, 434
cms::Message, 2637
setCMSTimestamp
activemq::commands::ActiveMQMessageTemplate, 434
cms::Message, 2638
setCMSType
activemq::commands::ActiveMQMessageTemplate, 435
cms::Message, 2638
setCollisionAvoidancePercent
activemq::core::policies::DefaultRedeliveryPolicy, 1733
activemq::core::RedeliveryPolicy, 3271
setCommand
activemq::commands::ControlCommand, 1538
activemq::wireformat::stomp::StompFrame, 3745
setCommandId
activemq::commands::BaseCommand, 770
activemq::commands::Command, 1231
activemq::commands::PartialCommand, 3004
setComponents
activemq::util::CompositeData, 1254
setCompressed
activemq::commands::Message, 2609
setConnectedBrokers
activemq::commands::ConnectionControl, 1305
setConnection

activemq::commands::ActiveMQTemplateDataStructure, 581
activemq::commands::Message, 2609
setConnectionFactory
activemq::cmsutil::CmsAccessor, 1187
setConnectionId
activemq::commands::BrokerInfo, 908
activemq::commands::ConnectionError, 1335
activemq::commands::ConnectionInfo, 1398
activemq::commands::ConsumerId, 1476
activemq::commands::DestinationInfo, 1783
activemq::commands::LocalTransactionId, 2424
activemq::commands::ProducerId, 3160
activemq::commands::RemoveSubscriptionInfo, 3317
activemq::commands::SessionId, 3480
activemq::commands::TransactionInfo, 3962
setConnectionInterruptProcessingComplete
activemq::state::ConnectionState, 1432
activemq::transport::failover::FailoverTransport, 1940
setConsumerId
activemq::commands::ConsumerControl, 1445
activemq::commands::ConsumerInfo, 1507
activemq::commands::MessageAck, 2647
activemq::commands::MessageDispatch, 2681
activemq::commands::MessageDispatchNotification, 2719
activemq::commands::MessagePull, 2827
setContent
activemq::commands::Message, 2609
setCorrelationId
activemq::commands::Message, 2610
activemq::commands::MessagePull, 2827
activemq::commands::Response, 3381
setData
activemq::commands::DataArrayResponse, 1574
activemq::commands::DataResponse, 1634
activemq::commands::PartialCommand, 3005
setDataStructure
activemq::commands::Message, 2610
setDefault
decaf::net::ssl::SSLContext, 3655
setDefaultClientId
activemq::core::ActiveMQConnection, 277
setDefaultDestination
activemq::cmsutil::CmsTemplate, 1212
setDefaultDestinationName
activemq::cmsutil::CmsTemplate, 1212
setDeletedByBroker
activemq::commands::ActiveMQBlobMessage, 188
setDeliveryMode
activemq::cmsutil::CachedProducer, 1107
activemq::cmsutil::CmsTemplate, 1212
activemq::core::ActiveMQProducer, 473
cms::MessageProducer, 2816
setDeliveryPersistent
activemq::cmsutil::CmsTemplate, 1212
setDeliverySequenceId
activemq::commands::MessageDispatchNotification, 2719
setDestination
activemq::commands::ConsumerControl, 1445
activemq::commands::ConsumerInfo, 1507
activemq::commands::DestinationInfo, 1783
activemq::commands::JournalQueueAck, 2227
activemq::commands::JournalTopicAck, 2255
activemq::commands::Message, 2610
activemq::commands::MessageAck, 2647
activemq::commands::MessageDispatch, 2682
activemq::commands::MessageDispatchNotification, 2719
activemq::commands::MessagePull, 2827
activemq::commands::ProducerInfo, 3189
activemq::commands::SubscriptionInfo, 3785
setDestinationResolver
activemq::cmsutil::CmsDestinationAccessor, 1190
setDictionary
decaf::util::zip::Deflater, 1765, 1766

decaf::util::zip::Inflater, 2094, 2095
setDisableMessageID
activemq::cmsutil::CachedProducer, 1107
activemq::core::ActiveMQProducer, 473
cms::MessageProducer, 2816
setDisableMessageTimeStamp
activemq::cmsutil::CachedProducer, 1107
activemq::core::ActiveMQProducer, 473
cms::MessageProducer, 2816
setDispatchAsync
activemq::commands::ConsumerInfo, 1507
activemq::commands::ProducerInfo, 3189
activemq::core::ActiveMQConnection, 277
activemq::core::ActiveMQConnectionFactory, 290
setDouble
activemq::commands::ActiveMQMapMessage, 362
activemq::util::PrimitiveList, 3076
activemq::util::PrimitiveMap, 3088
activemq::util::PrimitiveValueNode, 3112
cms::MapMessage, 2560
setDoubleProperty
activemq::commands::ActiveMQMessageTemplate, 435
activemq::wireformat::openwire::utils::MessagePropertyIntercepter, 2822
cms::Message, 2639
setDroppable
activemq::commands::Message, 2610
setDuplexConnection
activemq::commands::BrokerInfo, 908
setDurableTopicPrefetch
activemq::core::policies::DefaultPrefetchPolicy, 1729
activemq::core::PrefetchPolicy, 3066
setEnabled
activemq::transport::failover::BackupTransportPool, 764
setEnabledCipherSuites
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2929
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2934
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2951
decaf::net::ssl::SSLServerSocket, 3666
decaf::net::ssl::SSLSocket, 3676
setEnabledProtocols
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2929
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2934
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2951
decaf::net::ssl::SSLServerSocket, 3667
decaf::net::ssl::SSLSocket, 3677
setenv
decaf::lang::System, 3845
setErrorManager
decaf::util::logging::Handler, 2045
setException
activemq::commands::ConnectionError, 1335
activemq::commands::ExceptionResponse, 1897
setExceptionClass
activemq::commands::BrokerError, 872
setExceptionListener
activemq::core::ActiveMQConnection, 278
activemq::core::ActiveMQConnectionFactory, 290
cms::Connection, 1300
setExclusive
activemq::commands::ActiveMQDestination, 321
activemq::commands::ConsumerInfo, 1507
setExit
activemq::commands::ConnectionControl, 1305
setExpiration
activemq::commands::Message, 2610
setExplicitQosEnabled
activemq::cmsutil::CmsTemplate, 1213
setFailOnClose
activemq::transport::mock::MockTransport, 2862
setFailOnKeepAliveSends
activemq::transport::mock::MockTransport, 2862
setFailOnReceiveMessage
activemq::transport::mock::MockTransport, 2862
setFailOnSendMessage
activemq::transport::mock::MockTransport, 2862

setFailOnStart
activemq::transport::mock::MockTransport, 2862
setFailOnStop
activemq::transport::mock::MockTransport, 2862
setFaultTolerant
activemq::commands::ConnectionControl, 1305
activemq::commands::ConnectionInfo, 1398
setFaultTolerantConfiguration
activemq::commands::BrokerInfo, 908
setFilter
decaf::util::logging::Handler, 2045
decaf::util::logging::Logger, 2472
setFirstMessageId
activemq::commands::MessageAck, 2647
setFirstNakNumber
activemq::commands::ReplayCommand, 3346
setFloat
activemq::commands::ActiveMQMapMessage, 362
activemq::util::PrimitiveList, 3077
activemq::util::PrimitiveMap, 3088
activemq::util::PrimitiveValueNode, 3112
cms::MapMessage, 2561
setFloatProperty
activemq::commands::ActiveMQMessageTemplate, 435
activemq::wireformat::openwire::utils::MessagePropertyInterceptor, 2822
cms::Message, 2640
setFlush
activemq::commands::ConsumerControl, 1445
setFormatId
activemq::commands::XATransactionId, 4146
setFormatter
decaf::util::logging::Handler, 2045
setFragment
activemq::util::CompositeData, 1254
decaf::internal::net::URIType, 4069
setGlobalTransactionId
activemq::commands::XATransactionId, 4146
setGroupID
activemq::commands::Message, 2610
setGroupSequence
activemq::commands::Message, 2610
setHost
activemq::util::CompositeData, 1254
decaf::internal::net::URIType, 4069
setInitialDelayTime
activemq::transport::inactivity::InactivityMonitor, 2068
setInitialized
activemq::transport::failover::FailoverTransport, 1940
setInitialReconnectDelay
activemq::transport::failover::FailoverTransport, 1940
setInitialRedeliveryDelay
activemq::core::policies::DefaultRedeliveryPolicy, 1733
activemq::core::RedeliveryPolicy, 3271
setInput
decaf::util::zip::Deflater, 1766, 1767
decaf::util::zip::Inflater, 2095, 2096
setInputStream
activemq::transport::IOTransport, 2219
setInt
activemq::commands::ActiveMQMapMessage, 362
activemq::util::PrimitiveList, 3077
activemq::util::PrimitiveMap, 3088
activemq::util::PrimitiveValueNode, 3113
cms::MapMessage, 2561
setIntProperty
activemq::commands::ActiveMQMessageTemplate, 436
activemq::wireformat::openwire::utils::MessagePropertyInterc
2823
cms::Message, 2640
setKeepAlive
decaf::net::Socket, 3621
setKeepAliveResponseRequired
activemq::transport::inactivity::InactivityMonitor, 2069
setLastDeliveredSequenceId
activemq::commands::RemoveInfo, 3286
activemq::core::ActiveMQConsumer, 309
activemq::core::ActiveMQSession, 530
setLastMessageId
activemq::commands::MessageAck, 2647
setLastNakNumber

activemq::commands::ReplayCommand, 3346
setLevel
decaf::util::logging::Handler, 2046
decaf::util::logging::Logger, 2472
decaf::util::logging::LogRecord, 2491
decaf::util::zip::Deflater, 1767
setLimit
activemq::util::MemoryUsage, 2595
setList
activemq::util::PrimitiveValueNode, 3113
setLoggerName
decaf::util::logging::LogRecord, 2491
setLong
activemq::commands::ActiveMQMapMessage, 363
activemq::util::PrimitiveList, 3078
activemq::util::PrimitiveMap, 3089
activemq::util::PrimitiveValueNode, 3113
cms::MapMessage, 2561
setLongProperty
activemq::commands::ActiveMQMessageTemplate, 436
activemq::wireformat::openwire::utils::MessagePropertyInterceptor, 2823
cms::Message, 2641
setMagic
activemq::commands::WireFormatInfo, 4101
setManageable
activemq::commands::ConnectionInfo, 1398
setManaged
decaf::internal::util::GenericResource, 2038
setMap
activemq::util::PrimitiveValueNode, 3113
setMark
cms::CMSException, 1193
decaf::lang::Exception, 1892
decaf::lang::Throwable, 3898
setMarshaledForm
activemq::commands::BaseDataStructure, 840
activemq::wireformat::MarshalAware, 2566
setMarshalledProperties
activemq::commands::Message, 2610
activemq::commands::WireFormatInfo, 4101
setMasterBroker
activemq::commands::BrokerInfo, 908
setMaxCacheSize
activemq::state::ConnectionStateTracker, 1439
activemq::transport::failover::FailoverTransport, 1941
setMaximumPendingMessageLimit
activemq::commands::ConsumerInfo, 1507
setMaximumRedeliveries
activemq::core::policies::DefaultRedeliveryPolicy, 1734
activemq::core::RedeliveryPolicy, 3272
setMaxInactivityDuration
activemq::commands::WireFormatInfo, 4102
activemq::wireformat::openwire::OpenWireFormat, 2980
setMaxInactivityDurationInitalDelay
activemq::commands::WireFormatInfo, 4102
setMaxInactivityDurationInitialDelay
activemq::wireformat::openwire::OpenWireFormat, 2980
setMaxReconnectAttempts
activemq::transport::failover::FailoverTransport, 1941
setMaxReconnectDelay
activemq::transport::failover::FailoverTransport, 1941
setMaxThreads
decaf::util::concurrent::ThreadPool, 3894
setMessage
activemq::commands::BrokerError, 872
activemq::commands::JournalTrace, 2283
activemq::commands::MessageDispatch, 2682
decaf::lang::Exception, 1892
decaf::util::logging::LogRecord, 2491
setMessageAck
activemq::commands::JournalQueueAck, 2227
setMessageCount
activemq::commands::MessageAck, 2647
setMessageId
activemq::commands::JournalTopicAck, 2255
activemq::commands::Message, 2610

activemq::commands::MessageDispatchNotification, 2719
activemq::commands::MessagePull, 2827
setMessageIdEnabled
activemq::cmsutil::CmsTemplate, 1213
setMessageListener
activemq::cmsutil::CachedConsumer, 1101
activemq::core::ActiveMQConsumer, 309
cms::MessageConsumer, 2677
setMessageSequenceId
activemq::commands::JournalTopicAck, 2255
setMessageTimestampEnabled
activemq::cmsutil::CmsTemplate, 1213
setMimeType
activemq::commands::ActiveMQBlobMessage, 188
setName
activemq::commands::ActiveMQBlobMessage, 188
decaf::lang::Thread, 3884
setNeedClientAuth
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2929
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2935
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2952
decaf::net::ssl::SSLParameters, 3661
decaf::net::ssl::SSLServerSocket, 3667
decaf::net::ssl::SSLSocket, 3677
setNetworkBrokerId
activemq::commands::NetworkBridgeFilter, 2880
setNetworkConnection
activemq::commands::BrokerInfo, 908
setNetworkConsumerPath
activemq::commands::ConsumerInfo, 1507
setNetworkProperties
activemq::commands::BrokerInfo, 908
setNetworkSubscription
activemq::commands::ConsumerInfo, 1507
setNetworkTTL
activemq::commands::NetworkBridgeFilter, 2880
setNoLocal
activemq::cmsutil::CmsTemplate, 1213
activemq::commands::ConsumerInfo, 1507
setNoRangeAcks
activemq::commands::ConsumerInfo, 1507
setNumReceivedMessageBeforeFail
activemq::transport::mock::MockTransport, 2862
setNumReceivedMessages
activemq::transport::mock::MockTransport, 2862
setNumSentKeepAlives
activemq::transport::mock::MockTransport, 2862
setNumSentKeepAlivesBeforeFail
activemq::transport::mock::MockTransport, 2862
setNumSentMessageBeforeFail
activemq::transport::mock::MockTransport, 2862
setNumSentMessages
activemq::transport::mock::MockTransport, 2862
setOpaque
activemq::commands::RemoveInfo, 3287
setOpaque
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2952
decaf::net::Socket, 3621
setOpaque
decaf::internal::net::URIType, 4069
setOperationType
activemq::commands::DestinationInfo, 1783
setOptimizedAcknowledge
activemq::commands::ConsumerInfo, 1507
setOption
decaf::internal::net::tcp::TcpSocket, 3858
decaf::net::SocketImpl, 3642
setOrdered
activemq::commands::ActiveMQDestination, 321
setOrderedTarget
activemq::commands::ActiveMQDestination, 321
setOriginalDestination
activemq::commands::Message, 2610
setOriginalTransactionId

activemq::commands::Message, 2610
setOuputStream
decaf::util::logging::StreamHandler, 3759
setOutgoingListener
activemq::transport::mock::MockTransport, 2862
setOutputStream
activemq::transport::IOTransport, 2219
setParameters
activemq::util::CompositeData, 1254
setParent
decaf::util::logging::Logger, 2472
setPassword
activemq::commands::ConnectionInfo, 1398
activemq::core::ActiveMQConnection, 278
activemq::core::ActiveMQConnectionFactory, 291
setPath
activemq::util::CompositeData, 1254
decaf::internal::net::URIType, 4069
setPeerBrokerInfos
activemq::commands::BrokerInfo, 908
setPersistent
activemq::commands::Message, 2610
setPhysicalName
activemq::commands::ActiveMQDestination, 321
setPooledThreadListener
decaf::util::concurrent::PooledThread, 3057
setPort
decaf::internal::net::URIType, 4070
setPreferedWireFormatInfo
activemq::wireformat::openwire::OpenWireFormat, 2981
setPrefetch
activemq::commands::ConsumerControl, 1445
setPrefetchPolicy
activemq::core::ActiveMQConnection, 278
activemq::core::ActiveMQConnectionFactory, 291
setPrefetchSize
activemq::commands::ConsumerInfo, 1507
setPrepared
activemq::state::TransactionState, 3991
setPreparedResult
activemq::state::TransactionState, 3991
setPriority
activemq::cmsutil::CachedProducer, 1108
activemq::cmsutil::CmsTemplate, 1213
activemq::commands::ConsumerInfo, 1507
activemq::commands::Message, 2610
activemq::core::ActiveMQProducer, 473
cms::MessageProducer, 2817
decaf::lang::Thread, 3884
setProducerId
activemq::commands::Message, 2610
activemq::commands::MessageId, 2754
activemq::commands::ProducerAck, 3127
activemq::commands::ProducerInfo, 3189
setProducerSequenceId
activemq::commands::MessageId, 2754
setProducerSessionKey
activemq::commands::ProducerId, 3160
setProducerWindowSize
activemq::core::ActiveMQConnection, 278
activemq::core::ActiveMQConnectionFactory, 291
setProperties
activemq::commands::WireFormatInfo, 4102
activemq::util::ActiveMQProperties, 478
decaf::util::logging::LogManager, 2487
setProperty
activemq::util::ActiveMQProperties, 478
activemq::wireformat::stomp::StompFrame, 3745
cms::CMSProperties, 1199
decaf::lang::System, 3845
decaf::util::Properties, 3224
setProtocols
decaf::net::ssl::SSLParameters, 3661
setPubSubDomain
activemq::cmsutil::CmsDestinationAccessor, 1190
activemq::cmsutil::CmsTemplate, 1213
setQuery
decaf::internal::net::URIType, 4070
setQueueBrowserPrefetch
activemq::core::policies::DefaultPrefetchPolicy, 1729
activemq::core::PrefetchPolicy, 3066
setQueuePrefetch

activemq::core::policies::DefaultPrefetchPolicy, 1729
activemq::core::PrefetchPolicy, 3066
setRandomize
activemq::transport::failover::FailoverTransport, 1941
activemq::transport::failover::URIPool, 4056
setReadCheckTime
activemq::transport::inactivity::InactivityMonitor, 2069
setReadOnly
decaf::internal::nio::ByteArrayBuffer, 1037
decaf::internal::nio::CharArrayBuffer, 1146
decaf::internal::nio::DoubleArrayBuffer, 1864
decaf::internal::nio::FloatArrayBuffer, 1984
decaf::internal::nio::IntArrayBuffer, 2129
decaf::internal::nio::LongArrayBuffer, 2521
decaf::internal::nio::ShortArrayBuffer, 3559
setReadOnlyBody
activemq::commands::Message, 2610
setReadOnlyProperties
activemq::commands::Message, 2611
setRebalanceConnection
activemq::commands::ConnectionControl, 1305
setReceiveBufferSize
decaf::net::ServerSocket, 3455
decaf::net::Socket, 3622
setReceiveTimeout
activemq::cmsutil::CmsTemplate, 1214
setRecievedByDFBridge
activemq::commands::Message, 2611
setReconnectDelay
activemq::transport::failover::FailoverTransport, 1941
setReconnectTo
activemq::commands::ConnectionControl, 1305
setRedeliveryCounter
activemq::commands::Message, 2611
activemq::commands::MessageDispatch, 2682
setRedeliveryPolicy
activemq::core::ActiveMQConnection, 279
activemq::core::ActiveMQConnectionFactory, 291
activemq::core::ActiveMQConsumer, 310
setRemoteBlobUrl
activemq::commands::ActiveMQBlobMessage, 188
setReplyTo
activemq::commands::Message, 2611
setResponse
activemq::transport::correlator::FutureResponse, 2034
setResponseBuilder
activemq::transport::mock::InternalCommandListener, 2193
activemq::transport::mock::MockTransport, 2863
setResponseRequired
activemq::commands::BaseCommand, 770
activemq::commands::Command, 1231
setRestoreConsumers
activemq::state::ConnectionStateTracker, 1439
setRestoreProducers
activemq::state::ConnectionStateTracker, 1439
setRestoreSessions
activemq::state::ConnectionStateTracker, 1439
setRestoreTransaction
activemq::state::ConnectionStateTracker, 1439
setResult
activemq::commands::IntegerResponse, 2162
setResume
activemq::commands::ConnectionControl, 1305
setRetroactive
activemq::commands::ConsumerInfo, 1507
setReuseAddress
decaf::net::ServerSocket, 3455
decaf::net::Socket, 3622
setScheduledTime
decaf::util::TimerTask, 3916
setScheme

activemq::util::CompositeData, 1254
decaf::internal::net::URIType, 4070
setSchemeSpecificPart
decaf::internal::net::URIType, 4070
setSeed
decaf::security::SecureRandom, 3428, 3429
decaf::util::Random, 3251
setSelector
activemq::commands::ConsumerInfo, 1507
activemq::commands::SubscriptionInfo, 3785
setSendBufferSize
decaf::net::Socket, 3622
setSendTimeout
activemq::core::ActiveMQConnection, 279
activemq::core::ActiveMQConnectionFactory, 292
activemq::core::ActiveMQProducer, 474
setServerAuthority
decaf::internal::net::URIType, 4070
setServiceName
activemq::commands::DiscoveryEvent, 1814
setSessionAcknowledgeMode
activemq::cmsutil::CmsAccessor, 1187
setSessionId
activemq::commands::ConsumerId, 1476
activemq::commands::ProducerId, 3160
activemq::commands::SessionInfo, 3507
setShort
activemq::commands::ActiveMQMapMessage, 363
activemq::util::PrimitiveList, 3078
activemq::util::PrimitiveMap, 3089
activemq::util::PrimitiveValueNode, 3114
cms::MapMessage, 2562
setShortProperty
activemq::commands::ActiveMQMessageTemplate, 437
activemq::wireformat::openwire::utils::MessagePropertyInterceptor, 2823
cms::Message, 2641
setSize
activemq::commands::ProducerAck, 3127
setSizePrefixDisabled
activemq::commands::WireFormatInfo, 4102
activemq::wireformat::openwire::OpenWireFormat, 2981
setSlaveBroker
activemq::commands::BrokerInfo, 908
setSocketImplFactory
decaf::net::ServerSocket, 3455
decaf::net::Socket, 3623
setSoLinger
decaf::net::Socket, 3623
setSoTimeout
decaf::net::ServerSocket, 3456
decaf::net::Socket, 3623
setSource
decaf::internal::net::URIType, 4071
setSourceFile
decaf::util::logging::LogRecord, 2491
setSourceFunction
decaf::util::logging::LogRecord, 2491
setSourceLine
decaf::util::logging::LogRecord, 2492
setSSLParameters
decaf::net::ssl::SSLSocket, 3677
setStackTrace
decaf::lang::Exception, 1893
setStackTraceElements
activemq::commands::BrokerError, 872
setStackTraceEnabled
activemq::commands::WireFormatInfo, 4103
activemq::wireformat::openwire::OpenWireFormat, 2981
setStart
activemq::commands::ConsumerControl, 1445
setStartupMaxReconnectAttempts
activemq::transport::failover::FailoverTransport, 1941
setStop
activemq::commands::ConsumerControl, 1445
setStrategy
decaf::util::zip::Deflater, 1768
setStringPropertyInterceptor,
activemq::commands::ActiveMQMapMessage, 363
activemq::util::PrimitiveList, 3078
activemq::util::PrimitiveMap, 3089
activemq::util::PrimitiveValueNode, 3114
cms::MapMessage, 2562
setStringProperty

activemq::commands::ActiveMQMessageTemplate, 437
activemq::wireformat::openwire::utils::MessagePropertyIntercepter, 2823
cms::Message, 2642
setSubcriptionName
activemq::commands::RemoveSubscriptionInfo, 3317
activemq::commands::SubscriptionInfo, 3785
setSubscribedDestination
activemq::commands::SubscriptionInfo, 3785
setSubscriptionName
activemq::commands::ConsumerInfo, 1507
setSubscritionName
activemq::commands::JournalTopicAck, 2255
setSuspend
activemq::commands::ConnectionControl, 1305
setSynchronizationRegistered
activemq::core::ActiveMQConsumer, 310
setTargetConsumerId
activemq::commands::Message, 2611
setTcpNoDelay
decaf::net::Socket, 3624
setTcpNoDelayEnabled
activemq::commands::WireFormatInfo, 4103
activemq::wireformat::openwire::OpenWireFormat, 2981
setText
activemq::commands::ActiveMQTextMessage, 670
cms::TextMessage, 3875, 3876
setTextView
activemq::commands::MessageId, 2754
setThrown
decaf::util::logging::LogRecord, 2492
setTightEncodingEnabled
activemq::commands::WireFormatInfo, 4103
activemq::wireformat::openwire::OpenWireFormat, 2982
setTime
decaf::util::Date, 1722
setTimeout
activemq::commands::DestinationInfo, 1783
activemq::commands::MessagePull, 2827
activemq::transport::failover::FailoverTransport, 1941
setTimestamp
activemq::commands::Message, 2611
decaf::util::logging::LogRecord, 2492
setTimeToLive
activemq::cmsutil::CachedProducer, 1108
activemq::cmsutil::CmsTemplate, 1214
activemq::core::ActiveMQProducer, 474
cms::MessageProducer, 2817
setTopicPrefetch
activemq::core::policies::DefaultPrefetchPolicy, 1729
activemq::core::PrefetchPolicy, 3066
setTrackMessages
activemq::state::ConnectionStateTracker, 1439
activemq::transport::failover::FailoverTransport, 1941
setTrackTransactionProducers
activemq::state::ConnectionStateTracker, 1439
activemq::transport::failover::FailoverTransport, 1941
setTrackTransactions
activemq::state::ConnectionStateTracker, 1439
setTrafficClass
decaf::net::Socket, 3624
setTransactionId
activemq::commands::JournalTopicAck, 2255
activemq::commands::JournalTransaction, 2310
activemq::commands::Message, 2611
activemq::commands::MessageAck, 2647
activemq::commands::TransactionInfo, 3963
setTransactionState
activemq::state::ProducerState, 3216
setTransport
activemq::transport::failover::BackupTransport, 761
activemq::transport::mock::InternalCommandListener, 2193
setTransportInterruptionProcessingComplete

activemq::core::ActiveMQConnection, 279
setTransportListener
activemq::transport::failover::FailoverTransport, 1941
activemq::transport::IOTransport, 2219
activemq::transport::mock::MockTransport, 2863
activemq::transport::Transport, 4001
activemq::transport::TransportFilter, 4012
setTreadId
decaf::util::logging::LogRecord, 2492
setType
activemq::commands::JournalTransaction, 2310
activemq::commands::Message, 2611
activemq::commands::TransactionInfo, 3963
setUncaughtExceptionHandler
decaf::lang::Thread, 3884
setupSocketImpl
decaf::net::ServerSocket, 3456
setUri
activemq::transport::failover::BackupTransport, 761
setUsage
activemq::util::MemoryUsage, 2595
setUseAsyncSend
activemq::core::ActiveMQConnection, 279
activemq::core::ActiveMQConnectionFactory, 292
setUseClientMode
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2929
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2952
decaf::net::ssl::SSLSocket, 3678
setUseCollisionAvoidance
activemq::core::policies::DefaultRedeliveryPolicy, 1734
activemq::core::RedeliveryPolicy, 3272
setUseCompression
activemq::core::ActiveMQConnection, 280
activemq::core::ActiveMQConnectionFactory, 292
setUseExponentialBackOff
activemq::core::policies::DefaultRedeliveryPolicy, 1734
activemq::core::RedeliveryPolicy, 3272
activemq::transport::failover::FailoverTransport, 1941
setUseParentHandlers
decaf::util::logging::Logger, 2473
setUserID
activemq::commands::Message, 2611
setUserInfo
decaf::internal::net::URIType, 4071
setUserName
activemq::commands::ConnectionInfo, 1398
setUsername
activemq::core::ActiveMQConnection, 280
activemq::core::ActiveMQConnectionFactory, 292
setValid
decaf::internal::net::URIType, 4071
setValue
activemq::commands::BrokerId, 877
activemq::commands::ConnectionId, 1368
activemq::commands::ConsumerId, 1476
activemq::commands::LocalTransactionId, 2424
activemq::commands::MessageId, 2754
activemq::commands::ProducerId, 3160
activemq::commands::SessionId, 3480
activemq::util::PrimitiveValueNode, 3114
decaf::util::Map::Entry, 1881
setVersion
activemq::commands::WireFormatInfo, 4103
activemq::wireformat::openwire::OpenWireFormat, 2982
activemq::wireformat::stomp::StompWireFormat, 3753
activemq::wireformat::WireFormat, 4091
setWantClientAuth
decaf::internal::net::ssl::openssl::OpenSSLParameters, 2929
decaf::internal::net::ssl::openssl::OpenSSLServerSocket, 2935
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2953
decaf::net::ssl::SSLParameters, 3661
decaf::net::ssl::SSLServerSocket, 3667
decaf::net::ssl::SSLSocket, 3678
setWasPrepared

activemq::commands::JournalTransaction, 2310
setWindowSize
activemq::commands::ProducerInfo, 3189
setWireFormat
activemq::transport::failover::FailoverTransport, 1941
activemq::transport::IOTransport, 2219
activemq::transport::mock::MockTransport, 2863
activemq::transport::Transport, 4002
activemq::transport::TransportFilter, 4012
setWriteCheckTime
activemq::transport::inactivity::InactivityMonitor, 2069
SEVERE
decaf::util::logging::Level, 2408
severe
decaf::util::logging::Logger, 2473
Short
decaf::lang::Short, 3541
SHORT_TYPE
activemq::util::PrimitiveValueNode, 3104
ShortArrayBuffer
decaf::internal::nio::ShortArrayBuffer, 3553, 3554
ShortBuffer
decaf::nio::ShortBuffer, 3563
shortValue
activemq::util::PrimitiveValueNode::PrimitiveValue, 3098
decaf::lang::Byte, 977
decaf::lang::Character, 1133
decaf::lang::Double, 1850
decaf::lang::Float, 1971
decaf::lang::Integer, 2155
decaf::lang::Long, 2507
decaf::lang::Number, 2920
decaf::lang::Short, 3546
shutdown
activemq::state::ConnectionState, 1432
activemq::state::SessionState, 3537
activemq::state::TransactionState, 3991
activemq::threads::CompositeTaskRunner, 1258
activemq::threads::DedicatedTaskRunner, 1725
activemq::threads::TaskRunner, 3849
ShutdownInfo
activemq::commands::ShutdownInfo, 3574
ShutdownInfoMarshaller
activemq::wireformat::openwire::marshal::v1::ShutdownInfoM 3586
activemq::wireformat::openwire::marshal::v2::ShutdownInfoM 3581
activemq::wireformat::openwire::marshal::v3::ShutdownInfoM 3594
activemq::wireformat::openwire::marshal::v4::ShutdownInfoM 3598
activemq::wireformat::openwire::marshal::v5::ShutdownInfoM 3590
activemq::wireformat::openwire::marshal::v6::ShutdownInfoM 3577
shutdownInput
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2953
decaf::internal::net::tcp::TcpSocket, 3859
decaf::net::Socket, 3625
decaf::net::SocketImpl, 3643
shutdownLibrary
activemq::library::ActiveMQCPP, 312
shutdownNetworking
decaf::internal::net::Network, 2877
shutdownOutput
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2953
decaf::internal::net::tcp::TcpSocket, 3859
decaf::net::Socket, 3625
decaf::net::SocketImpl, 3643
shutdownRuntime
decaf::lang::Runtime, 3421
signal
decaf::util::concurrent::locks::Condition, 1289
signalAll
decaf::util::concurrent::locks::Condition, 1289
SignatureException
decaf::security::SignatureException, 3602, 3603
signum
decaf::lang::Integer, 2155
decaf::lang::Long, 2507
decaf::lang::Math, 2587
SimpleFormatter
decaf::util::logging::SimpleFormatter, 3605
SimpleLogger

decaf::util::logging::SimpleLogger, 3606
SIZE
decaf::lang::Byte, 979
decaf::lang::Character, 1135
decaf::lang::Double, 1853
decaf::lang::Float, 1973
decaf::lang::Integer, 2159
decaf::lang::Long, 2510
decaf::lang::Short, 3548
size
activemq::commands::ProducerAck, 3128
activemq::core::MessageDispatchChannel, 2688
activemq::wireformat::openwire::utils::HexTable, 2049
decaf::internal::util::TimerTaskHeap, 3919
decaf::io::ByteArrayOutputStream, 1048
decaf::io::DataOutputStream, 1630
decaf::util::Collection, 1226
decaf::util::concurrent::ConcurrentStlMap, 1279
decaf::util::concurrent::SynchronousQueue, 3837
decaf::util::Map, 2549
decaf::util::PriorityQueue, 3124
decaf::util::Properties, 3224
decaf::util::StlList, 3707
decaf::util::StlMap, 3719
decaf::util::StlQueue, 3728
decaf::util::StlSet, 3737
gz_state, 2041
skip
decaf::internal::net::ssl::openssl::OpenSSLSocketInputStream, 2968
decaf::internal::net::tcp::TcpSocketInputStream, 3862
decaf::io::BlockingByteArrayInputStream, 848
decaf::io::BufferedInputStream, 948
decaf::io::ByteArrayInputStream, 1046
decaf::io::FilterInputStream, 1956
decaf::io::InputStream, 2113
decaf::io::PushbackInputStream, 3236
decaf::io::Reader, 3260
decaf::util::zip::CheckedInputStream, 1171
decaf::util::zip::InflaterInputStream, 2104
gz_state, 2041
skipBytes
decaf::io::DataInput, 1612
decaf::io::DataInputStream, 1621
slaveBroker
activemq::commands::BrokerInfo, 910
sleep
decaf::lang::Thread, 3885
decaf::util::concurrent::TimeUnit, 3924
SLEEPING
decaf::lang::Thread, 3880
slice
decaf::internal::nio::ByteArrayBuffer, 1037
decaf::internal::nio::CharArrayBuffer, 1146
decaf::internal::nio::DoubleArrayBuffer, 1864
decaf::internal::nio::FloatArrayBuffer, 1984
decaf::internal::nio::IntArrayBuffer, 2129
decaf::internal::nio::LongArrayBuffer, 2521
decaf::internal::nio::ShortArrayBuffer, 3559
decaf::nio::ByteBuffer, 1077
decaf::nio::CharBuffer, 1164
decaf::nio::DoubleBuffer, 1876
decaf::nio::FloatBuffer, 1996
decaf::nio::IntBuffer, 2141
decaf::nio::LongBuffer, 2533
decaf::nio::ShortBuffer, 3571
Socket
decaf::net::Socket, 3611–3613
SOCKET_OPTION_BINDADDR
decaf::net::SocketOptions, 3647
SOCKET_OPTION_BROADCAST
decaf::net::SocketOptions, 3647
SOCKET_OPTION_IP_MULTICAST_IF
decaf::net::SocketOptions, 3647
SOCKET_OPTION_IP_MULTICAST_IF2
decaf::net::SocketOptions, 3648
SOCKET_OPTION_IP_MULTICAST_LOOP
decaf::net::SocketOptions, 3648
SOCKET_OPTION_IP_TOS
decaf::net::SocketOptions, 3648
SOCKET_OPTION_KEEPALIVE
decaf::net::SocketOptions, 3648
SOCKET_OPTION_LINGER
decaf::net::SocketOptions, 3648
SOCKET_OPTION_OOBINLINE
decaf::net::SocketOptions, 3649

SOCKET_OPTION_RCVBUF
decaf::net::SocketOptions, 3649
SOCKET_OPTION_REUSEADDR
decaf::net::SocketOptions, 3649
SOCKET_OPTION_SNDBUF
decaf::net::SocketOptions, 3649
SOCKET_OPTION_TCP_NODELAY
decaf::net::SocketOptions, 3650
SOCKET_OPTION_TIMEOUT
decaf::net::SocketOptions, 3650
SocketException
decaf::net::SocketException, 3628
SocketFactory
decaf::net::SocketFactory, 3631
SocketFileDescriptor
decaf::internal::net::SocketFileDescriptor, 3635
SocketImpl
decaf::net::SocketImpl, 3638
SocketTimeoutException
decaf::net::SocketTimeoutException, 3651, 3652
sqrt
decaf::lang::Math, 2588
src/main/activemq/cmsutil/CachedConsumer.h, 4179
src/main/activemq/cmsutil/CachedProducer.h, 4179
src/main/activemq/cmsutil/CmsAccessor.h, 4180
src/main/activemq/cmsutil/CmsDestinationAccessor.h, 4180
src/main/activemq/cmsutil/CmsTemplate.h, 4181
src/main/activemq/cmsutil/DestinationResolver.h, 4182
src/main/activemq/cmsutil/DynamicDestinationResolver.h, 4182
src/main/activemq/cmsutil/MessageCreator.h, 4183
src/main/activemq/cmsutil/PooledSession.h, 4183
src/main/activemq/cmsutil/ProducerCallback.h, 4184
src/main/activemq/cmsutil/ResourceLifecycleManager.h, 4184
src/main/activemq/cmsutil/SessionCallback.h, 4185
src/main/activemq/cmsutil/SessionPool.h, 4186
src/main/activemq/commands/ActiveMQBlobMessage.h, 4186
src/main/activemq/commands/ActiveMQBytesMessage.h, 4187
src/main/activemq/commands/ActiveMQDestination.h, 4188
src/main/activemq/commands/ActiveMQMapMessage.h, 4188
src/main/activemq/commands/ActiveMQMessage.h, 4189
src/main/activemq/commands/ActiveMQMessageTemplate.h, 4189
src/main/activemq/commands/ActiveMQObjectMessage.h, 4190
src/main/activemq/commands/ActiveMQQueue.h, 4191
src/main/activemq/commands/ActiveMQStreamMessage.h, 4191
src/main/activemq/commands/ActiveMQTempDestination.h, 4192
src/main/activemq/commands/ActiveMQTempQueue.h, 4193
src/main/activemq/commands/ActiveMQTempTopic.h, 4193
src/main/activemq/commands/ActiveMQTextMessage.h, 4194
src/main/activemq/commands/ActiveMQTopic.h, 4194
src/main/activemq/commands/BaseCommand.h, 4195
src/main/activemq/commands/BaseDataStructure.h, 4195
src/main/activemq/commands/BooleanExpression.h, 4196
src/main/activemq/commands/BrokerError.h, 4196
src/main/activemq/commands/BrokerId.h, 4197
src/main/activemq/commands/BrokerInfo.h, 4197
src/main/activemq/commands/Command.h, 4198
src/main/activemq/commands/ConnectionControl.h, 4199
src/main/activemq/commands/ConnectionError.h, 4199
src/main/activemq/commands/ConnectionId.h, 4200
src/main/activemq/commands/ConnectionInfo.h, 4200

src/main/activemq/commands/ConsumerControl.h, 4201
src/main/activemq/commands/ConsumerId.h, 4201
src/main/activemq/commands/ConsumerInfo.h, 4202
src/main/activemq/commands/ControlCommand.h, 4203
src/main/activemq/commands/DataArrayResponse.h, 4203
src/main/activemq/commands/DataResponse.h, 4204
src/main/activemq/commands/DataStructure.h, 4204
src/main/activemq/commands/DestinationInfo.h, 4205
src/main/activemq/commands/DiscoveryEvent.h, 4205
src/main/activemq/commands/ExceptionResponse.h, 4206
src/main/activemq/commands/FlushCommand.h, 4206
src/main/activemq/commands/IntegerResponse.h, 4207
src/main/activemq/commands/JournalQueueAck.h, 4207
src/main/activemq/commands/JournalTopicAck.h, 4208
src/main/activemq/commands/JournalTrace.h, 4209
src/main/activemq/commands/JournalTransaction.h, 4209
src/main/activemq/commands/KeepAliveInfo.h, 4210
src/main/activemq/commands/LastPartialCommand.h, 4210
src/main/activemq/commands/LocalTransactionId.h, 4211
src/main/activemq/commands/Message.h, 4211
src/main/activemq/commands/MessageAck.h, 4213
src/main/activemq/commands/MessageDispatch.h, 4213
src/main/activemq/commands/MessageDispatchNotification.h, 4214
src/main/activemq/commands/MessageId.h, 4215
src/main/activemq/commands/MessagePull.h, 4215
src/main/activemq/commands/NetworkBridgeFilter.h, 4216
src/main/activemq/commands/PartialCommand.h, 4216
src/main/activemq/commands/ProducerAck.h, 4217
src/main/activemq/commands/ProducerId.h, 4217
src/main/activemq/commands/ProducerInfo.h, 4218
src/main/activemq/commands/RemoveInfo.h, 4219
src/main/activemq/commands/RemoveSubscriptionInfo.h, 4219
src/main/activemq/commands/ReplayCommand.h, 4220
src/main/activemq/commands/Response.h, 4220
src/main/activemq/commands/SessionId.h, 4221
src/main/activemq/commands/SessionInfo.h, 4221
src/main/activemq/commands/ShutdownInfo.h, 4222
src/main/activemq/commands/SubscriptionInfo.h, 4222
src/main/activemq/commands/TransactionId.h, 4223
src/main/activemq/commands/TransactionInfo.h, 4223
src/main/activemq/commands/WireFormatInfo.h, 4224
src/main/activemq/commands/XATransactionId.h, 4224
src/main/activemq/core/ActiveMQAckHandler.h, 4225
src/main/activemq/core/ActiveMQConnection.h, 4225
src/main/activemq/core/ActiveMQConnectionFactory.h, 4226
src/main/activemq/core/ActiveMQConnectionMetaData.h, 4227
src/main/activemq/core/ActiveMQConstants.h, 4227
src/main/activemq/core/ActiveMQConsumer.h, 4228
src/main/activemq/core/ActiveMQProducer.h, 4229
src/main/activemq/core/ActiveMQQueueBrowser.h, 4230
src/main/activemq/core/ActiveMQSession.h,

4230
src/main/activemq/core/ActiveMQSessionExecutor.h,
4231
src/main/activemq/core/ActiveMQTransactionContext.h,
4232
src/main/activemq/core/DispatchData.h, 4233
src/main/activemq/core/Dispatcher.h, 4233
src/main/activemq/core/MessageDispatchChannel.h,
4234
src/main/activemq/core/policies/DefaultPrefetchPolicy.h,
4234
src/main/activemq/core/policies/DefaultRedeliveryPolicy.h,
4235
src/main/activemq/core/PrefetchPolicy.h, 4235
src/main/activemq/core/RedeliveryPolicy.h,
4236
src/main/activemq/core/Synchronization.h,
4236
src/main/activemq/exceptions/ActiveMQException.h,
4237
src/main/activemq/exceptions/BrokerException.h,
4237
src/main/activemq/exceptions/ExceptionDefines.h,
4238
src/main/activemq/io/LoggingInputStream.h,
4242
src/main/activemq/io/LoggingOutputStream.h,
4243
src/main/activemq/library/ActiveMQCPP.h,
4243
src/main/activemq/state/CommandVisitor.h,
4244
src/main/activemq/state/CommandVisitorAdapter.h,
4244
src/main/activemq/state/ConnectionState.h,
4245
src/main/activemq/state/ConnectionStateTracker.h,
4246
src/main/activemq/state/ConsumerState.h,
4247
src/main/activemq/state/ProducerState.h, 4248
src/main/activemq/state/SessionState.h, 4248
src/main/activemq/state/Tracked.h, 4249
src/main/activemq/state/TransactionState.h,
4249
src/main/activemq/threads/CompositeTask.h,
4250
src/main/activemq/threads/CompositeTaskRunner.h,
4250
src/main/activemq/threads/DedicatedTaskRunner.h,
4251
src/main/activemq/threads/Task.h, 4252
src/main/activemq/threads/TaskRunner.h, 4252
src/main/activemq/transport/AbstractTransportFactory.h,
4253
src/main/activemq/transport/CompositeTransport.h,
4253
src/main/activemq/transport/correlator/FutureResponse.h,
4254
src/main/activemq/transport/correlator/ResponseCorrelator.h,
4254
src/main/activemq/transport/DefaultTransportListener.h,
4255
src/main/activemq/transport/failover/BackupTransport.h,
4256
src/main/activemq/transport/failover/BackupTransportPool.h,
4256
src/main/activemq/transport/failover/CloseTransportsTask.h,
4257
src/main/activemq/transport/failover/FailoverTransport.h,
4257
src/main/activemq/transport/failover/FailoverTransportFactory.h,
4258
src/main/activemq/transport/failover/FailoverTransportListener.h,
4259
src/main/activemq/transport/failover/URIPool.h,
4260
src/main/activemq/transport/inactivity/InactivityMonitor.h,
4260
src/main/activemq/transport/inactivity/ReadChecker.h,
4261
src/main/activemq/transport/inactivity/WriteChecker.h,
4261
src/main/activemq/transport/IOTransport.h,
4262
src/main/activemq/transport/logging/LoggingTransport.h,
4263
src/main/activemq/transport/mock/InternalCommandListener.h,
4263
src/main/activemq/transport/mock/MockTransport.h,
4264
src/main/activemq/transport/mock/MockTransportFactory.h,
4265
src/main/activemq/transport/mock/ResponseBuilder.h,
4265
src/main/activemq/transport/tcp/SslTransport.h,
4266
src/main/activemq/transport/tcp/SslTransportFactory.h,
4266
src/main/activemq/transport/tcp/TcpTransport.h,

4267
src/main/activemq/transport/tcp/TcpTransportFactory.h, 4268
src/main/activemq/transport/Transport.h, 4268
src/main/activemq/transport/TransportFactory.h, 4269
src/main/activemq/transport/TransportFilter.h, 4270
src/main/activemq/transport/TransportListener.h, 4270
src/main/activemq/transport/TransportRegistry.h, 4271
src/main/activemq/util/ActiveMQProperties.h, 4271
src/main/activemq/util/CMSExceptionSupport.h, 4272
src/main/activemq/util/CompositeData.h, 4274
src/main/activemq/util/Config.h, 4274
src/main/activemq/util/IdGenerator.h, 4275
src/main/activemq/util/LongSequenceGenerator.h, 4276
src/main/activemq/util/MarshallingSupport.h, 4276
src/main/activemq/util/MemoryUsage.h, 4277
src/main/activemq/util/PrimitiveList.h, 4277
src/main/activemq/util/PrimitiveMap.h, 4278
src/main/activemq/util/PrimitiveValueConverter.h, 4279
src/main/activemq/util/PrimitiveValueNode.h, 4279
src/main/activemq/util/URISupport.h, 4280
src/main/activemq/util/Usage.h, 4280
src/main/activemq/wireformat/MarshalAware.h, 4281
src/main/activemq/wireformat/openwire/marshal/BaseDataStreamMarshaller.h, 4281
src/main/activemq/wireformat/openwire/marshal/DataStreamMarshaller.h, 4282
src/main/activemq/wireformat/openwire/marshal/PrimitiveTypesMarshaller.h, 4282
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQBlobMessageMarshaller.h, 4283
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQBytesMessageMarshaller.h, 4288
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQDestinationMarshaller.h, 4292
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQMapMessageMarshaller.h, 4297
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQMessageMarshaller.h, 4301
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQObjectMessageM
4306
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQQueueMarshalle
4310
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQStreamMessageM
4315
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTempDestination
4319
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTempQueueMars
4324
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTempTopicMarsh
4329
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTextMessageMar
4333
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTopicMarshaller.
4338
src/main/activemq/wireformat/openwire/marshal/v1/BaseCommandMarshaller.h
4342
src/main/activemq/wireformat/openwire/marshal/v1/BrokerIdMarshaller.h,
4347
src/main/activemq/wireformat/openwire/marshal/v1/BrokerInfoMarshaller.h,
4351
src/main/activemq/wireformat/openwire/marshal/v1/ConnectionControlMarshal
4355
src/main/activemq/wireformat/openwire/marshal/v1/ConnectionErrorMarshaller
4360
src/main/activemq/wireformat/openwire/marshal/v1/ConnectionIdMarshaller.h,
4364
src/main/activemq/wireformat/openwire/marshal/v1/ConnectionInfoMarshaller.h
4369
src/main/activemq/wireformat/openwire/marshal/v1/ConsumerControlMarshalle
4373
src/main/activemq/wireformat/openwire/marshal/v1/ConsumerIdMarshaller.h,
4378
src/main/activemq/wireformat/openwire/marshal/v1/ConsumerInfoMarshaller.h,
4382
src/main/activemq/wireformat/openwire/marshal/v1/ControlCommandMarshalle
4387
src/main/activemq/wireformat/openwire/marshal/v1/DataArrayResponseMarsha
4391
src/main/activemq/wireformat/openwire/marshal/v1/DataResponseMarshaller.h,
4396
src/main/activemq/wireformat/openwire/marshal/v1/DestinationInfoMarshaller.h
4400
src/main/activemq/wireformat/openwire/marshal/v1/DiscoveryEventMarshaller.
4405
src/main/activemq/wireformat/openwire/marshal/v1/ExceptionResponseMarsha
4409
src/main/activemq/wireformat/openwire/marshal/v1/FlushCommandMarshaller.
4414

src/main/activemq/wireformat/openwire/marshal/v1/ActiveMessageAckMarshaller.h, 4418
src/main/activemq/wireformat/openwire/marshal/v1/ActiveQueueBrowserDispatchMarshaller.h, 4423
src/main/activemq/wireformat/openwire/marshal/v1/ActiveTopicBrowserDispatchMarshaller.h, 4427
src/main/activemq/wireformat/openwire/marshal/v1/ActiveTransactionInfoMarshaller.h, 4432
src/main/activemq/wireformat/openwire/marshal/v1/AddConsumerInfoMarshaller.h, 4436
src/main/activemq/wireformat/openwire/marshal/v1/AddDestinationInfoMarshaller.h, 4441
src/main/activemq/wireformat/openwire/marshal/v1/AddProducerInfoMarshaller.h, 4445
src/main/activemq/wireformat/openwire/marshal/v1/AddSessionInfoMarshaller.h, 4450
src/main/activemq/wireformat/openwire/marshal/v1/BaseDataStructureMarshaller.h, 4454
src/main/activemq/wireformat/openwire/marshal/v1/BrokerInfoMarshaller.h, 4458
src/main/activemq/wireformat/openwire/marshal/v1/ConnectionControlMarshaller.h, 4462
src/main/activemq/wireformat/openwire/marshal/v1/ConnectionInfoMarshaller.h, 4467
src/main/activemq/wireformat/openwire/marshal/v1/ConsumerInfoMarshaller.h, 4471
src/main/activemq/wireformat/openwire/marshal/v1/DestinationInfoMarshaller.h, 4476
src/main/activemq/wireformat/openwire/marshal/v1/ExceptionResponseMarshaller.h, 4480
src/main/activemq/wireformat/openwire/marshal/v1/FlushCommandMarshaller.h, 4485
src/main/activemq/wireformat/openwire/marshal/v1/KeepAliveInfoMarshaller.h, 4489
src/main/activemq/wireformat/openwire/marshal/v1/LastPartialCommandMarshaller.h, 4494
src/main/activemq/wireformat/openwire/marshal/v1/LocalTransactionIdMarshaller.h, 4498
src/main/activemq/wireformat/openwire/marshal/v1/MarshallerFactory.h, 4503
src/main/activemq/wireformat/openwire/marshal/v1/MessageAckMarshaller.h, 4507
src/main/activemq/wireformat/openwire/marshal/v1/MessageDispatchMarshaller.h, 4512
src/main/activemq/wireformat/openwire/marshal/v1/MessageDispatchNotificationMarshaller.h, 4517
src/main/activemq/wireformat/openwire/marshal/v1/MessageIdMarshaller.h, 4521
src/main/activemq/wireformat/openwire/marshal/v1/MessageMarshaller.h, 4525
src/main/activemq/wireformat/openwire/marshal/v1/NetworkBridgeFilterMarshaller.h, 4529
src/main/activemq/wireformat/openwire/marshal/v1/PartialCommandMarshaller.h, 4534
src/main/activemq/wireformat/openwire/marshal/v1/ProducerAckMarshaller.h, 4538
src/main/activemq/wireformat/openwire/marshal/v1/ProducerIdMarshaller.h, 4543
src/main/activemq/wireformat/openwire/marshal/v1/ProducerInfoMarshaller.h, 4547
src/main/activemq/wireformat/openwire/marshal/v1/RemoveInfoMarshaller.h, 4552
src/main/activemq/wireformat/openwire/marshal/v1/RemoveSubscriptionInfoMarshaller.h, 4556
src/main/activemq/wireformat/openwire/marshal/v1/ReplayCommandMarshaller.h, 4284
src/main/activemq/wireformat/openwire/marshal/v1/ResponseMarshaller.h, 4288
src/main/activemq/wireformat/openwire/marshal/v1/SessionIdMarshaller.h, 4293
src/main/activemq/wireformat/openwire/marshal/v1/SessionInfoMarshaller.h, 4297
src/main/activemq/wireformat/openwire/marshal/v1/ShutdownInfoMarshaller.h, 4302
src/main/activemq/wireformat/openwire/marshal/v1/SubscriptionInfoMarshaller.h, 4306
src/main/activemq/wireformat/openwire/marshal/v1/TransactionIdMarshaller.h, 4311
src/main/activemq/wireformat/openwire/marshal/v1/TransactionInfoMarshaller.h, 4315
src/main/activemq/wireformat/openwire/marshal/v1/WireFormatInfoMarshaller.h, 4320
src/main/activemq/wireformat/openwire/marshal/v1/XATransactionIdMarshaller.h, 4325
src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQBlobMessageMarshaller.h, 4329
src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQBytesMessageMarshaller.h, 4334
src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQDestination.h, 4338
src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQMapMessageMarshaller.h, 4343
src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQMessageMarshaller.h, 4347
src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQObjectMessageMarshaller.h, 4352
src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQQueueMarshaller.h, 4356
src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQStreamMessageMarshaller.h, 4361
src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTemporaryQueueMarshaller.h,
src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTemporaryTopicMarshaller.h,
src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTextMessageMarshaller.h,
src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQTopicMarshaller.h,
src/main/activemq/wireformat/openwire/marshal/v2/BaseCommandMarshaller.h,
src/main/activemq/wireformat/openwire/marshal/v2/BrokerIdMarshaller.h,
src/main/activemq/wireformat/openwire/marshal/v2/BrokerInfoMarshaller.h,
src/main/activemq/wireformat/openwire/marshal/v2/ConnectionControlMarshaller.h,
src/main/activemq/wireformat/openwire/marshal/v2/ConnectionErrorMarshaller.h,

src/main/activemq/wireformat/openwire/marshal/v2/ConnectionIdMarshaller.h, 4365
src/main/activemq/wireformat/openwire/marshal/v2/ConsumerInfoMarshaller.h, 4370
src/main/activemq/wireformat/openwire/marshal/v2/ConsumerControlMarshaller.h, 4374
src/main/activemq/wireformat/openwire/marshal/v2/ConsumerIdMarshaller.h, 4379
src/main/activemq/wireformat/openwire/marshal/v2/DestinationInfoMarshaller.h, 4383
src/main/activemq/wireformat/openwire/marshal/v2/ActiveMQDestinationMarshaller.h, 4388
src/main/activemq/wireformat/openwire/marshal/v2/DataArrayResponseMarshaller.h, 4392
src/main/activemq/wireformat/openwire/marshal/v2/DataResponseMarshaller.h, 4397
src/main/activemq/wireformat/openwire/marshal/v2/DestinationInfoMarshaller.h, 4401
src/main/activemq/wireformat/openwire/marshal/v2/DiscoveryEventMarshaller.h, 4406
src/main/activemq/wireformat/openwire/marshal/v2/ExceptionResponseMarshaller.h, 4410
src/main/activemq/wireformat/openwire/marshal/v2/FlushCommandMarshaller.h, 4415
src/main/activemq/wireformat/openwire/marshal/v2/IntegerResponseMarshaller.h, 4419
src/main/activemq/wireformat/openwire/marshal/v2/JournalQueueAckMarshaller.h, 4424
src/main/activemq/wireformat/openwire/marshal/v2/JournalTopicAckMarshaller.h, 4428
src/main/activemq/wireformat/openwire/marshal/v2/JournalTraceMarshaller.h, 4433
src/main/activemq/wireformat/openwire/marshal/v2/JournalTransactionMarshaller.h, 4437
src/main/activemq/wireformat/openwire/marshal/v2/KeepAliveInfoMarshaller.h, 4442
src/main/activemq/wireformat/openwire/marshal/v2/LastPartialCommandMarshaller.h, 4446
src/main/activemq/wireformat/openwire/marshal/v2/LocalTransactionIdMarshaller.h, 4451
src/main/activemq/wireformat/openwire/marshal/v2/MarshallerFactory.h, 4455
src/main/activemq/wireformat/openwire/marshal/v2/MessageAckMarshaller.h, 4458
src/main/activemq/wireformat/openwire/marshal/v2/MessageDispatchMarshaller.h, 4463
src/main/activemq/wireformat/openwire/marshal/v2/MessageDispatchNotificationMarshaller.h, 4467
src/main/activemq/wireformat/openwire/marshal/v2/MessageIdMarshaller.h, 4472
src/main/activemq/wireformat/openwire/marshal/v2/MessageMarshaller.h, 4476
src/main/activemq/wireformat/openwire/marshal/v2/MessagePullMarshaller.h, 4481
src/main/activemq/wireformat/openwire/marshal/v2/NetworkBridgeFilterMarsh 4485
src/main/activemq/wireformat/openwire/marshal/v2/PartialCommandMarshaller 4490
src/main/activemq/wireformat/openwire/marshal/v2/ProducerAckMarshaller.h, 4494
src/main/activemq/wireformat/openwire/marshal/v2/ProducerIdMarshaller.h, 4499
src/main/activemq/wireformat/openwire/marshal/v2/ProducerInfoMarshaller.h, 4503
src/main/activemq/wireformat/openwire/marshal/v2/RemoveInfoMarshaller.h, 4508
src/main/activemq/wireformat/openwire/marshal/v2/RemoveSubscriptionInfoM 4512
src/main/activemq/wireformat/openwire/marshal/v2/ReplayCommandMarshalle 4517
src/main/activemq/wireformat/openwire/marshal/v2/ResponseMarshaller.h, 4521
src/main/activemq/wireformat/openwire/marshal/v2/SessionIdMarshaller.h, 4526
src/main/activemq/wireformat/openwire/marshal/v2/SessionInfoMarshaller.h, 4530
src/main/activemq/wireformat/openwire/marshal/v2/ShutdownInfoMarshaller.h, 4535
src/main/activemq/wireformat/openwire/marshal/v2/SubscriptionInfoMarshaller 4539
src/main/activemq/wireformat/openwire/marshal/v2/TransactionIdMarshaller.h, 4544
src/main/activemq/wireformat/openwire/marshal/v2/TransactionInfoMarshaller. 4548
src/main/activemq/wireformat/openwire/marshal/v2/WireFormatInfoMarshaller. 4553
src/main/activemq/wireformat/openwire/marshal/v2/XATransactionIdMarshaller 4557
src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQBlobMessageMa 4285
src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQBytesMessageM 4289
src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQDestinationMars 4294
src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQMapMessageMa 4298
src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQMessageMarshal 4303
src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQObjectMessageM 4307

src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQQueueMarshaller.h, 4312
src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQStreamMessageMarshaller.h, 4316
src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTemporaryQueueMarshaller.h, 4321
src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTemporaryTopicMarshaller.h, 4326
src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTextMessageMarshaller.h, 4330
src/main/activemq/wireformat/openwire/marshal/v3/ActiveMQTopicMarshaller.h, 4335
src/main/activemq/wireformat/openwire/marshal/v3/BaseCommandMarshaller.h, 4339
src/main/activemq/wireformat/openwire/marshal/v3/BrokerIdMarshaller.h, 4344
src/main/activemq/wireformat/openwire/marshal/v3/BrokerInfoMarshaller.h, 4348
src/main/activemq/wireformat/openwire/marshal/v3/ConnectionControlMarshaller.h, 4352
src/main/activemq/wireformat/openwire/marshal/v3/ConnectionInfoMarshaller.h, 4357
src/main/activemq/wireformat/openwire/marshal/v3/ConsumerControlMarshaller.h, 4361
src/main/activemq/wireformat/openwire/marshal/v3/ConsumerIdMarshaller.h, 4366
src/main/activemq/wireformat/openwire/marshal/v3/ConsumerInfoMarshaller.h, 4370
src/main/activemq/wireformat/openwire/marshal/v3/ControlCommandMarshaller.h, 4375
src/main/activemq/wireformat/openwire/marshal/v3/DataArrayResponseMarshaller.h, 4379
src/main/activemq/wireformat/openwire/marshal/v3/DataResponseMarshaller.h, 4384
src/main/activemq/wireformat/openwire/marshal/v3/DestinationInfoMarshaller.h, 4388
src/main/activemq/wireformat/openwire/marshal/v3/DiscoveryEvenMarshaller.h, 4393
src/main/activemq/wireformat/openwire/marshal/v3/ExceptionResponseMarshaller.h, 4397
src/main/activemq/wireformat/openwire/marshal/v3/FlushCommandMarshaller.h, 4402
src/main/activemq/wireformat/openwire/marshal/v3/IntegerResponseMarshaller.h, 4406
src/main/activemq/wireformat/openwire/marshal/v3/JournalQueueAck, 4411
src/main/activemq/wireformat/openwire/marshal/v3/JournalTopicAck, 4415
src/main/activemq/wireformat/openwire/marshal/v3/JournalTraceMarshaller.h, 4420
src/main/activemq/wireformat/openwire/marshal/v3/JournalTransac, 4424
src/main/activemq/wireformat/openwire/marshal/v3/KeepAliveInfo, 4429
src/main/activemq/wireformat/openwire/marshal/v3/LastPartialCon, 4433
src/main/activemq/wireformat/openwire/marshal/v3/LocalTransacti, 4438
src/main/activemq/wireformat/openwire/marshal/v3/MarshallerFac, 4442
src/main/activemq/wireformat/openwire/marshal/v3/MessageAckM, 4447
src/main/activemq/wireformat/openwire/marshal/v3/MessageDispa, 4451
src/main/activemq/wireformat/openwire/marshal/v3/MessageDispa, 4455
src/main/activemq/wireformat/openwire/marshal/v3/MessageIdMar, 4459
src/main/activemq/wireformat/openwire/marshal/v3/MessageMarsh, 4464
src/main/activemq/wireformat/openwire/marshal/v3/MessagePullM, 4468
src/main/activemq/wireformat/openwire/marshal/v3/NetworkBridge, 4473
src/main/activemq/wireformat/openwire/marshal/v3/PartialCommar, 4477
src/main/activemq/wireformat/openwire/marshal/v3/ProducerAckM, 4482
src/main/activemq/wireformat/openwire/marshal/v3/ProducerIdMa, 4486
src/main/activemq/wireformat/openwire/marshal/v3/ProducerInfoM, 4491
src/main/activemq/wireformat/openwire/marshal/v3/RemoveInfoM, 4495
src/main/activemq/wireformat/openwire/marshal/v3/RemoveSubscr, 4500
src/main/activemq/wireformat/openwire/marshal/v3/ReplayComma, 4504
src/main/activemq/wireformat/openwire/marshal/v3/ResponseMars, 4509
src/main/activemq/wireformat/openwire/marshal/v3/SessionIdMars, 4513
src/main/activemq/wireformat/openwire/marshal/v3/SessionInfoMa, 4518
src/main/activemq/wireformat/openwire/marshal/v3/JournalQueue, 4522
src/main/activemq/wireformat/openwire/marshal/v3/JournalTopic, 4526
src/main/activemq/wireformat/openwire/marshal/v3/JournalTrace, 4531

src/main/activemq/wireformat/openwire/marshal/v3/ShutdownInfoMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/ConnectionInfoMarshaller.h,
4535 4371
src/main/activemq/wireformat/openwire/marshal/v3/SubscriptionInfoMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/ConsumerControlMarshaller
4540 4376
src/main/activemq/wireformat/openwire/marshal/v3/TransactionInfoMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/ConsumerIdMarshaller.h,
4544 4380
src/main/activemq/wireformat/openwire/marshal/v3/TransactionInfoMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/ConsumerInfoMarshaller.h,
4549 4385
src/main/activemq/wireformat/openwire/marshal/v3/WireFormatInfoMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/ControlCommandMarshaller
4553 4389
src/main/activemq/wireformat/openwire/marshal/v3/XATransactionInfoMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/DataArrayResponseMarsha
4558 4394
src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQBlobMessageMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/DataResponseMarshaller.h,
4285 4398
src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQBytesMessageMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/DestinationInfoMarshaller.h
4290 4403
src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQDestinationMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/DiscoveryEventMarshaller.
4294 4407
src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQMapMessageMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/ExceptionResponseMarsha
4299 4412
src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQMessageMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/FlushCommandMarshaller.
4303 4416
src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQObjectMessageMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/IntegerResponseMarshaller
4308 4421
src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQQueueMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/JournalQueueAckMarshalle
4312 4425
src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQStreamMessageMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/JournalTopicAckMarshaller
4317 4430
src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTemporaryQueueMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/JournalTraceMarshaller.h,
4322 4434
src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTemporaryTopicMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/JournalTransactionMarshal
4326 4439
src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTextMessageMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/KeepAliveInfoMarshaller.h
4331 4443
src/main/activemq/wireformat/openwire/marshal/v4/ActiveMQTopicMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/LastPartialCommandMarsh
4335 4448
src/main/activemq/wireformat/openwire/marshal/v4/BaseCommandMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/LocalTransactionIdMarshal
4340 4452
src/main/activemq/wireformat/openwire/marshal/v4/BrokerIdMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/MarshallerFactory.h,
4344 4456
src/main/activemq/wireformat/openwire/marshal/v4/BrokerInfoMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/MessageAckMarshaller.h,
4349 4460
src/main/activemq/wireformat/openwire/marshal/v4/ConnectionControlMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/MessageDispatchMarshalle
4353 4464
src/main/activemq/wireformat/openwire/marshal/v4/ConnectionInfoMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/MessageDispatchNotificati
4358 4469
src/main/activemq/wireformat/openwire/marshal/v4/ConsumerControlMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/MessageIdMarshaller.h,
4362 4473
src/main/activemq/wireformat/openwire/marshal/v4/ConsumerIdMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v4/MessageMarshaller.h,
4367 4478

src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQMessageBundleMarshaller.h, 4482
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQQueueMarshaller.h, 4487
src/main/activemq/wireformat/openwire/marshal/v1/ActiveMQTopicMarshaller.h, 4491
src/main/activemq/wireformat/openwire/marshal/v1/ProducerAckMarshaller.h, 4496
src/main/activemq/wireformat/openwire/marshal/v1/ProducerIdMarshaller.h, 4500
src/main/activemq/wireformat/openwire/marshal/v1/ProducerInfoMarshaller.h, 4505
src/main/activemq/wireformat/openwire/marshal/v1/RemoveInfoMarshaller.h, 4509
src/main/activemq/wireformat/openwire/marshal/v1/RemoveSubscriptionInfoMarshaller.h, 4514
src/main/activemq/wireformat/openwire/marshal/v1/ReplayCommandMarshaller.h, 4518
src/main/activemq/wireformat/openwire/marshal/v1/ResponseMarshaller.h, 4523
src/main/activemq/wireformat/openwire/marshal/v1/SessionIdMarshaller.h, 4527
src/main/activemq/wireformat/openwire/marshal/v1/SessionInfoMarshaller.h, 4532
src/main/activemq/wireformat/openwire/marshal/v1/ShutdownInfoMarshaller.h, 4536
src/main/activemq/wireformat/openwire/marshal/v1/SubscriptionInfoMarshaller.h, 4541
src/main/activemq/wireformat/openwire/marshal/v1/TransactionIdMarshaller.h, 4545
src/main/activemq/wireformat/openwire/marshal/v1/TransactionInfoMarshaller.h, 4550
src/main/activemq/wireformat/openwire/marshal/v1/WireFormatInfoMarshaller.h, 4554
src/main/activemq/wireformat/openwire/marshal/v1/XATransactionIdMarshaller.h, 4559
src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQBlobMessageMarshaller.h, 4286
src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQBytesMessageMarshaller.h, 4291
src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQDestinationMarshaller.h, 4295
src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQMapMessageMarshaller.h, 4300
src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQMessageMarshaller.h, 4304
src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQObjectMessageMarshaller.h, 4309
src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQQueueMarshaller.h, 4313
src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQStreamMarshaller.h, 4318
src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTemporaryQueueMarshaller.h, 4322
src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTemporaryTopicMarshaller.h, 4327
src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTextMessageMarshaller.h, 4332
src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQTopicMarshaller.h, 4336
src/main/activemq/wireformat/openwire/marshal/v5/ActiveMQWriteableMarshaller.h, 4341
src/main/activemq/wireformat/openwire/marshal/v5/BaseCommandMarshaller.h, 4345
src/main/activemq/wireformat/openwire/marshal/v5/BrokerIdMarshaller.h, 4349
src/main/activemq/wireformat/openwire/marshal/v5/BrokerInfoMarshaller.h, 4354
src/main/activemq/wireformat/openwire/marshal/v5/ConnectionControlMarshaller.h, 4358
src/main/activemq/wireformat/openwire/marshal/v5/ConnectionErrorMarshaller.h, 4363
src/main/activemq/wireformat/openwire/marshal/v5/ConnectionIdMarshaller.h, 4367
src/main/activemq/wireformat/openwire/marshal/v5/ConnectionInfoMarshaller.h, 4372
src/main/activemq/wireformat/openwire/marshal/v5/ConsumerControlMarshaller.h, 4376
src/main/activemq/wireformat/openwire/marshal/v5/ConsumerIdMarshaller.h, 4381
src/main/activemq/wireformat/openwire/marshal/v5/ConsumerInfoMarshaller.h, 4385
src/main/activemq/wireformat/openwire/marshal/v5/ControlCommandMarshaller.h, 4390
src/main/activemq/wireformat/openwire/marshal/v5/DataArrayResponseMarshaller.h, 4394
src/main/activemq/wireformat/openwire/marshal/v5/DataResponseMarshaller.h, 4399
src/main/activemq/wireformat/openwire/marshal/v5/DestinationInfoMarshaller.h, 4403
src/main/activemq/wireformat/openwire/marshal/v5/DiscoveryEvenMarshaller.h, 4408
src/main/activemq/wireformat/openwire/marshal/v5/ExceptionResponseMarshaller.h, 4412
src/main/activemq/wireformat/openwire/marshal/v5/FlushCommandMarshaller.h, 4417
src/main/activemq/wireformat/openwire/marshal/v5/IntegerResponseMarshaller.h, 4421
src/main/activemq/wireformat/openwire/marshal/v5/JournalQueueAckMarshaller.h, 4426

src/main/activemq/wireformat/openwire/marshal/v5/JournalTopicAckMarshaller.h, 4430
src/main/activemq/wireformat/openwire/marshal/v5/JournalTraceMarshaller.h, 4435
src/main/activemq/wireformat/openwire/marshal/v5/JournalTransactionMarshaller.h, 4439
src/main/activemq/wireformat/openwire/marshal/v5/KeepAliveInfoMarshaller.h, 4444
src/main/activemq/wireformat/openwire/marshal/v5/LastPartialCommandMarshaller.h, 4448
src/main/activemq/wireformat/openwire/marshal/v5/LocalTransactionIdMarshaller.h, 4453
src/main/activemq/wireformat/openwire/marshal/v5/MarshallerFactory.h, 4456
src/main/activemq/wireformat/openwire/marshal/v5/MessageAckMarshaller.h, 4461
src/main/activemq/wireformat/openwire/marshal/v5/MessageDispatchMarshaller.h, 4465
src/main/activemq/wireformat/openwire/marshal/v5/MessageDispatchNotificationMarshaller.h, 4470
src/main/activemq/wireformat/openwire/marshal/v5/MessageIdMarshaller.h, 4474
src/main/activemq/wireformat/openwire/marshal/v5/MessageMarshaller.h, 4479
src/main/activemq/wireformat/openwire/marshal/v5/PartialCommandMarshaller.h, 4483
src/main/activemq/wireformat/openwire/marshal/v5/NetworkBridgeFilterMarshaller.h, 4488
src/main/activemq/wireformat/openwire/marshal/v5/ProducerInfoMarshaller.h, 4492
src/main/activemq/wireformat/openwire/marshal/v5/ProducerAckMarshaller.h, 4497
src/main/activemq/wireformat/openwire/marshal/v5/ProducerIdMarshaller.h, 4501
src/main/activemq/wireformat/openwire/marshal/v5/ProtocolInfoMarshaller.h, 4506
src/main/activemq/wireformat/openwire/marshal/v5/RemoveInfoMarshaller.h, 4510
src/main/activemq/wireformat/openwire/marshal/v5/RemoveSubscriptionInfoMarshaller.h, 4515
src/main/activemq/wireformat/openwire/marshal/v5/ReplayCommandMarshaller.h, 4519
src/main/activemq/wireformat/openwire/marshal/v5/ResponseMarshaller.h, 4524
src/main/activemq/wireformat/openwire/marshal/v5/SessionIdMarshaller.h, 4528
src/main/activemq/wireformat/openwire/marshal/v5/SessionInfoMarshaller.h, 4532
src/main/activemq/wireformat/openwire/marshal/v5/ShutdownInfoMarshaller.h, 4537
src/main/activemq/wireformat/openwire/marshal/v5/SubscriptionInfoMarshaller.h, 4541
src/main/activemq/wireformat/openwire/marshal/v5/TransactionIdMarshaller.h, 4546
src/main/activemq/wireformat/openwire/marshal/v5/TransactionInfoMarshaller.h, 4550
src/main/activemq/wireformat/openwire/marshal/v5/WireFormatInfoMarshaller.h, 4555
src/main/activemq/wireformat/openwire/marshal/v5/XATransactionIdMarshaller.h, 4559
src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQBlobMessageMarshaller.h, 4287
src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQBytesMessageMarshaller.h, 4291
src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQDestinationMarshaller.h, 4296
src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQMapMessageMarshaller.h, 4300
src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQMessageMarshaller.h, 4305
src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQObjectMessageMarshaller.h, 4309
src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQQueueMarshaller.h, 4314
src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQStreamMessageMarshaller.h, 4319
src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTempDestinationMarshaller.h, 4323
src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTempQueueMarshaller.h, 4328
src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTempTopicMarshaller.h, 4332
src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTextMessageMarshaller.h, 4337
src/main/activemq/wireformat/openwire/marshal/v6/ActiveMQTopicMarshaller.h, 4341
src/main/activemq/wireformat/openwire/marshal/v6/BaseCommandMarshaller.h, 4346
src/main/activemq/wireformat/openwire/marshal/v6/BrokerIdMarshaller.h, 4350
src/main/activemq/wireformat/openwire/marshal/v6/BrokerInfoMarshaller.h, 4355
src/main/activemq/wireformat/openwire/marshal/v6/ConnectionControlMarshaller.h, 4359
src/main/activemq/wireformat/openwire/marshal/v6/ConnectionErrorMarshaller.h, 4364
src/main/activemq/wireformat/openwire/marshal/v6/ConnectionIdMarshaller.h, 4368
src/main/activemq/wireformat/openwire/marshal/v6/ConnectionInfoMarshaller.h, 4373

src/main/activemq/wireformat/openwire/marshal/v6/ConsumerControlMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/NetworkBridg
4377 4488
src/main/activemq/wireformat/openwire/marshal/v6/ConsumerIdMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/PartialComma
4382 4493
src/main/activemq/wireformat/openwire/marshal/v6/ConsumerInfoMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/ProducerAckM
4386 4497
src/main/activemq/wireformat/openwire/marshal/v6/ControlCommandMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/ProducerIdMa
4391 4502
src/main/activemq/wireformat/openwire/marshal/v6/DataArrayResponseMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/ProducerInfoM
4395 4506
src/main/activemq/wireformat/openwire/marshal/v6/DataResponseMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/RemoveInfoM
4400 4511
src/main/activemq/wireformat/openwire/marshal/v6/DestinationInfoMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/RemoveSubscr
4404 4515
src/main/activemq/wireformat/openwire/marshal/v6/DiscoveryEventMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/ReplayComma
4409 4520
src/main/activemq/wireformat/openwire/marshal/v6/ExceptionResponseMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/ResponseMars
4413 4524
src/main/activemq/wireformat/openwire/marshal/v6/FlushCommandMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/SessionIdMars
4418 4529
src/main/activemq/wireformat/openwire/marshal/v6/IntegerResponseMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/SessionInfoMa
4422 4533
src/main/activemq/wireformat/openwire/marshal/v6/JournalQueueAckMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/ShutdownInfo
4427 4538
src/main/activemq/wireformat/openwire/marshal/v6/JournalTopicAckMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/SubscriptionIn
4431 4542
src/main/activemq/wireformat/openwire/marshal/v6/JournalTraceMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/TransactionId
4436 4547
src/main/activemq/wireformat/openwire/marshal/v6/JournalTransactionMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/TransactionInf
4440 4551
src/main/activemq/wireformat/openwire/marshal/v6/KeepAliveInfoMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/WireFormatInf
4445 4556
src/main/activemq/wireformat/openwire/marshal/v6/LastPartialCommandMarshaller.h, src/main/activemq/wireformat/openwire/marshal/v6/XATransaction
4449 4560
src/main/activemq/wireformat/openwire/marshal/v6/LocalTransactionIdMarshaller.h, src/main/activemq/wireformat/openwire/OpenWireFormat.h,
4454 4561
src/main/activemq/wireformat/openwire/marshal/v6/MarshallerFactory.h, src/main/activemq/wireformat/openwire/OpenWireFormatFactory.h
4457 4562
src/main/activemq/wireformat/openwire/marshal/v6/MessageAckMarshaller.h, src/main/activemq/wireformat/openwire/OpenWireFormatNegotiat
4461 4562
src/main/activemq/wireformat/openwire/marshal/v6/MessageDispatchMarshaller.h, src/main/activemq/wireformat/openwire/OpenWireResponseBuilde
4466 4563
src/main/activemq/wireformat/openwire/marshal/v6/MessageDispatchNotificationMarshaller.h, src/main/activemq/wireformat/openwire/utils/BooleanStream.h,
4470 4564
src/main/activemq/wireformat/openwire/marshal/v6/MessageIdMarshaller.h, src/main/activemq/wireformat/openwire/utils/HexTable.h,
4475 4564
src/main/activemq/wireformat/openwire/marshal/v6/MessageMarshaller.h, src/main/activemq/wireformat/openwire/utils/MessagePropertyInte
4479 4565
src/main/activemq/wireformat/openwire/marshal/v6/MessagePullMarshaller.h, src/main/activemq/wireformat/stomp/StompCommandConstants.h,
4484 4565

src/main/activemq/wireformat/stomp/StompFrame.h, 4566
src/main/activemq/wireformat/stomp/StompHeaders.h, 4567
src/main/activemq/wireformat/stomp/StompWireFormat.h, 4567
src/main/activemq/wireformat/stomp/StompWireFormatFactory.h, 4568
src/main/activemq/wireformat/WireFormat.h, 4569
src/main/activemq/wireformat/WireFormatFactory.h, 4569
src/main/activemq/wireformat/WireFormatNegotiator.h, 4570
src/main/activemq/wireformat/WireFormatRegistry.h, 4570
src/main/cms/BytesMessage.h, 4571
src/main/cms/Closeable.h, 4572
src/main/cms/CMSException.h, 4573
src/main/cms/CMSProperties.h, 4573
src/main/cms/CMSSecurityException.h, 4574
src/main/cms/Config.h, 4275
src/main/cms/Connection.h, 4574
src/main/cms/ConnectionFactory.h, 4575
src/main/cms/ConnectionMetaData.h, 4575
src/main/cms/DeliveryMode.h, 4576
src/main/cms/Destination.h, 4576
src/main/cms/ExceptionListener.h, 4576
src/main/cms/IllegalStateException.h, 4577
src/main/cms/InvalidClientIdException.h, 4578
src/main/cms/InvalidDestinationException.h, 4578
src/main/cms/InvalidSelectorException.h, 4579
src/main/cms/MapMessage.h, 4579
src/main/cms/Message.h, 4212
src/main/cms/MessageConsumer.h, 4580
src/main/cms/MessageEnumeration.h, 4580
src/main/cms/MessageEOFException.h, 4581
src/main/cms/MessageFormatException.h, 4581
src/main/cms/MessageListener.h, 4582
src/main/cms/MessageNotReadableException.h, 4582
src/main/cms/MessageNotWriteableException.h, 4583
src/main/cms/MessageProducer.h, 4583
src/main/cms/ObjectMessage.h, 4584
src/main/cms/Queue.h, 4584
src/main/cms/QueueBrowser.h, 4585
src/main/cms/Session.h, 4586
src/main/cms/Startable.h, 4587
src/main/cms/Stoppable.h, 4587
src/main/cms/StreamMessage.h, 4587
src/main/cms/TemporaryQueue.h, 4588
src/main/cms/TemporaryTopic.h, 4588
src/main/cms/TextMessage.h, 4589
src/main/cms/Topic.h, 4589
src/main/cms/UnsupportedOperationException.h, 4590
src/main/decaf/internal/AprPool.h, 4591
src/main/decaf/internal/DecafRuntime.h, 4591
src/main/decaf/internal/io/StandardErrorOutputStream.h, 4592
src/main/decaf/internal/io/StandardInputStream.h, 4592
src/main/decaf/internal/io/StandardOutputStream.h, 4593
src/main/decaf/internal/net/DefaultServerSocketFactory.h, 4593
src/main/decaf/internal/net/DefaultSocketFactory.h, 4594
src/main/decaf/internal/net/Network.h, 4594
src/main/decaf/internal/net/SocketFileDescriptor.h, 4595
src/main/decaf/internal/net/ssl/DefaultSSLContext.h, 4595
src/main/decaf/internal/net/ssl/DefaultSSLServerSocketFactory.h, 4596
src/main/decaf/internal/net/ssl/DefaultSSLSocketFactory.h, 4597
src/main/decaf/internal/net/ssl/openssl/OpenSSLContextSpi.h, 4597
src/main/decaf/internal/net/ssl/openssl/OpenSSLParameters.h, 4598
src/main/decaf/internal/net/ssl/openssl/OpenSSLServerSocket.h, 4598
src/main/decaf/internal/net/ssl/openssl/OpenSSLServerSocketFactory.h, 4599
src/main/decaf/internal/net/ssl/openssl/OpenSSLSocket.h, 4600
src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketException.h, 4600
src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketFactory.h, 4601
src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketInputStream.h, 4601
src/main/decaf/internal/net/ssl/openssl/OpenSSLSocketOutputStream.h, 4602
src/main/decaf/internal/net/tcp/TcpSocket.h, 4603

src/main/decaf/internal/net/tcp/TcpSocketInputStream.h, 4603
src/main/decaf/internal/net/tcp/TcpSocketOutputStream.h, 4604
src/main/decaf/internal/net/URIEncoderDecoder.h, 4604
src/main/decaf/internal/net/URIHelper.h, 4605
src/main/decaf/internal/net/URIType.h, 4605
src/main/decaf/internal/nio/BufferFactory.h, 4606
src/main/decaf/internal/nio/ByteArrayBuffer.h, 4607
src/main/decaf/internal/nio/CharArrayBuffer.h, 4607
src/main/decaf/internal/nio/DoubleArrayBuffer.h, 4608
src/main/decaf/internal/nio/FloatArrayBuffer.h, 4609
src/main/decaf/internal/nio/IntArrayBuffer.h, 4609
src/main/decaf/internal/nio/LongArrayBuffer.h, 4610
src/main/decaf/internal/nio/ShortArrayBuffer.h, 4610
src/main/decaf/internal/security/unix/SecureRandomImpl.h, 4611
src/main/decaf/internal/security/windows/SecureRandomImpl.h, 4612
src/main/decaf/internal/util/ByteArrayAdapter.h, 4612
src/main/decaf/internal/util/concurrent/ConditionImpl.h, 4613
src/main/decaf/internal/util/concurrent/MutexImpl.h, 4613
src/main/decaf/internal/util/concurrent/SynchronizableImpl.h, 4614
src/main/decaf/internal/util/concurrent/Transferer.h, 4614
src/main/decaf/internal/util/concurrent/TransferQueue.h, 4615
src/main/decaf/internal/util/concurrent/TransferStack.h, 4616
src/main/decaf/internal/util/concurrent/unix/ConditionHandle.h, 4616
src/main/decaf/internal/util/concurrent/unix/MutexHandle.h, 4617
src/main/decaf/internal/util/concurrent/windows/ConditionHandle.h, 4617
src/main/decaf/internal/util/concurrent/windows/MutexHandle.h, 4617
src/main/decaf/internal/util/GenericResource.h, 4618
src/main/decaf/internal/util/HexStringParser.h, 4618
src/main/decaf/internal/util/Resource.h, 4619
src/main/decaf/internal/util/ResourceLifecycleManager.h, 4185
src/main/decaf/internal/util/TimerTaskHeap.h, 4619
src/main/decaf/internal/util/zip/crc32.h, 4620
src/main/decaf/internal/util/zip/deflate.h, 4620
src/main/decaf/internal/util/zip/gzguts.h, 4623
src/main/decaf/internal/util/zip/inffast.h, 4625
src/main/decaf/internal/util/zip/inffixed.h, 4626
src/main/decaf/internal/util/zip/inflate.h, 4626
src/main/decaf/internal/util/zip/inftrees.h, 4627
src/main/decaf/internal/util/zip/trees.h, 4628
src/main/decaf/internal/util/zip/zconf.h, 4630
src/main/decaf/internal/util/zip/zlib.h, 4632
src/main/decaf/internal/util/zip/zutil.h, 4636
src/main/decaf/io/BlockingByteArrayInputStream.h, 4639
src/main/decaf/io/BufferedInputStream.h, 4640
src/main/decaf/io/BufferedOutputStream.h, 4640
src/main/decaf/io/ByteArrayInputStream.h, 4641
src/main/decaf/io/ByteArrayOutputStream.h, 4641
src/main/decaf/io/Closeable.h, 4572
src/main/decaf/io/DataInput.h, 4642
src/main/decaf/io/DataInputStream.h, 4642
src/main/decaf/io/DataOutput.h, 4643
src/main/decaf/io/DataOutputStream.h, 4644
src/main/decaf/io/EOFException.h, 4644
src/main/decaf/io/FileDescriptor.h, 4645
src/main/decaf/io/FilterInputStream.h, 4645
src/main/decaf/io/FilterOutputStream.h, 4646
src/main/decaf/io/Flushable.h, 4646
src/main/decaf/io/InputStream.h, 4647
src/main/decaf/io/InputStreamReader.h, 4647
src/main/decaf/io/InterruptedIOException.h, 4648
src/main/decaf/io/IOException.h, 4648
src/main/decaf/io/OutputStream.h, 4649
src/main/decaf/io/OutputStreamWriter.h, 4649
src/main/decaf/io/PushbackInputStream.h, 4650
src/main/decaf/io/Reader.h, 4650

src/main/decaf/io/UnsupportedEncodingException.h, 4651
src/main/decaf/io/UTFDataFormatException.h, 4651
src/main/decaf/io/Writer.h, 4652
src/main/decaf/lang/Appendable.h, 4652
src/main/decaf/lang/ArrayPointer.h, 4653
src/main/decaf/lang/Boolean.h, 4654
src/main/decaf/lang/Byte.h, 4654
src/main/decaf/lang/Character.h, 4655
src/main/decaf/lang/CharSequence.h, 4655
src/main/decaf/lang/Comparable.h, 4656
src/main/decaf/lang/Double.h, 4656
src/main/decaf/lang/Exception.h, 4657
src/main/decaf/lang/exceptions/ClassCastException.h, 4657
src/main/decaf/lang/exceptions/ExceptionDefines.h, 4240
src/main/decaf/lang/exceptions/IllegalArgumentException.h, 4658
src/main/decaf/lang/exceptions/IllegalMonitorStateException.h, 4658
src/main/decaf/lang/exceptions/IllegalStateException.h, 4577
src/main/decaf/lang/exceptions/IllegalThreadStateException.h, 4659
src/main/decaf/lang/exceptions/IndexOutOfBoundsException.h, 4659
src/main/decaf/lang/exceptions/InterruptedException.h, 4659
src/main/decaf/lang/exceptions/InvalidStateException.h, 4660
src/main/decaf/lang/exceptions/NoSuchElementException.h, 4660
src/main/decaf/lang/exceptions/NullPointerException.h, 4661
src/main/decaf/lang/exceptions/NumberFormatException.h, 4661
src/main/decaf/lang/exceptions/RuntimeException.h, 4662
src/main/decaf/lang/exceptions/UnsupportedOperationException.h, 4590
src/main/decaf/lang/Float.h, 4662
src/main/decaf/lang/Integer.h, 4663
src/main/decaf/lang/Iterable.h, 4663
src/main/decaf/lang/Long.h, 4664
src/main/decaf/lang/Math.h, 4664
src/main/decaf/lang/Number.h, 4664
src/main/decaf/lang/Pointer.h, 4665
src/main/decaf/lang/Readable.h, 4666
src/main/decaf/lang/Runnable.h, 4667
src/main/decaf/lang/Runtime.h, 4667
src/main/decaf/lang/Short.h, 4667
src/main/decaf/lang/String.h, 4668
src/main/decaf/lang/System.h, 4668
src/main/decaf/lang/Thread.h, 4669
src/main/decaf/lang/ThreadGroup.h, 4670
src/main/decaf/lang/Throwable.h, 4670
src/main/decaf/net/BindException.h, 4671
src/main/decaf/net/ConnectException.h, 4671
src/main/decaf/net/HttpRetryException.h, 4672
src/main/decaf/net/Inet4Address.h, 4672
src/main/decaf/net/Inet6Address.h, 4672
src/main/decaf/net/InetAddress.h, 4673
src/main/decaf/net/InetSocketAddress.h, 4673
src/main/decaf/net/MalformedURLException.h, 4674
src/main/decaf/net/NoRouteToHostException.h, 4674
src/main/decaf/net/PortUnreachableException.h, 4674
src/main/decaf/net/ProtocolException.h, 4675
src/main/decaf/net/ServerSocket.h, 4675
src/main/decaf/net/ServerSocketFactory.h, 4676
src/main/decaf/net/Socket.h, 4676
src/main/decaf/net/SocketAddress.h, 4677
src/main/decaf/net/SocketError.h, 4678
src/main/decaf/net/SocketException.h, 4678
src/main/decaf/net/SocketFactory.h, 4678
src/main/decaf/net/SocketImpl.h, 4679
src/main/decaf/net/SocketImplFactory.h, 4680
src/main/decaf/net/SocketOptions.h, 4680
src/main/decaf/net/SocketTimeoutException.h, 4680
src/main/decaf/net/ssl/SSLContext.h, 4681
src/main/decaf/net/ssl/SSLContextSpi.h, 4681
src/main/decaf/net/ssl/SSLParameters.h, 4682
src/main/decaf/net/ssl/SSLServerSocket.h, 4682
src/main/decaf/net/ssl/SSLServerSocketFactory.h, 4683
src/main/decaf/net/ssl/SSLSocket.h, 4683
src/main/decaf/net/ssl/SSLSocketFactory.h, 4684
src/main/decaf/net/UnknownHostException.h, 4684
src/main/decaf/net/UnknownServiceException.h, 4685
src/main/decaf/net/URI.h, 4685

src/main/decaf/net/URISyntaxException.h, 4686
src/main/decaf/net/URL.h, 4686
src/main/decaf/net/URLDecoder.h, 4687
src/main/decaf/net/URLEncoder.h, 4687
src/main/decaf/nio/Buffer.h, 4687
src/main/decaf/nio/BufferOverflowException.h, 4688
src/main/decaf/nio/BufferUnderflowException.h, 4688
src/main/decaf/nio/ByteBuffer.h, 4689
src/main/decaf/nio/CharBuffer.h, 4689
src/main/decaf/nio/DoubleBuffer.h, 4690
src/main/decaf/nio/FloatBuffer.h, 4691
src/main/decaf/nio/IntBuffer.h, 4691
src/main/decaf/nio/InvalidMarkException.h, 4692
src/main/decaf/nio/LongBuffer.h, 4692
src/main/decaf/nio/ReadOnlyBufferException.h, 4693
src/main/decaf/nio/ShortBuffer.h, 4693
src/main/decaf/security/auth/x500/X500Principal.h, 4694
src/main/decaf/security/cert/Certificate.h, 4694
src/main/decaf/security/cert/CertificateEncodingException.h, 4695
src/main/decaf/security/cert/CertificateException.h, 4696
src/main/decaf/security/cert/CertificateExpiredException.h, 4696
src/main/decaf/security/cert/CertificateNotYetValidException.h, 4697
src/main/decaf/security/cert/CertificateParsingException.h, 4697
src/main/decaf/security/cert/X509Certificate.h, 4698
src/main/decaf/security/GeneralSecurityException.h, 4698
src/main/decaf/security/InvalidKeyException.h, 4698
src/main/decaf/security/Key.h, 4699
src/main/decaf/security/KeyException.h, 4699
src/main/decaf/security/KeyManagementException.h, 4700
src/main/decaf/security/NoSuchAlgorithmException.h, 4700
src/main/decaf/security/NoSuchProviderException.h, 4701
src/main/decaf/security/Principal.h, 4701
src/main/decaf/security/PublicKey.h, 4701
src/main/decaf/security/SecureRandom.h, 4702
src/main/decaf/security/SecureRandomSpi.h, 4702
src/main/decaf/security/SignatureException.h, 4703
src/main/decaf/util/AbstractCollection.h, 4703
src/main/decaf/util/AbstractList.h, 4704
src/main/decaf/util/AbstractMap.h, 4705
src/main/decaf/util/AbstractQueue.h, 4705
src/main/decaf/util/AbstractSequentialList.h, 4706
src/main/decaf/util/AbstractSet.h, 4707
src/main/decaf/util/Collection.h, 4707
src/main/decaf/util/Comparator.h, 4708
src/main/decaf/util/comparators/Less.h, 4708
src/main/decaf/util/concurrent/atomic/AtomicBoolean.h, 4709
src/main/decaf/util/concurrent/atomic/AtomicInteger.h, 4709
src/main/decaf/util/concurrent/atomic/AtomicRefCounter.h, 4710
src/main/decaf/util/concurrent/atomic/AtomicReference.h, 4710
src/main/decaf/util/concurrent/BlockingQueue.h, 4711
src/main/decaf/util/concurrent/BrokenBarrierException.h, 4712
src/main/decaf/util/concurrent/Callable.h, 4712
src/main/decaf/util/concurrent/CancellationException.h, 4712
src/main/decaf/util/concurrent/Concurrent.h, 4713
src/main/decaf/util/concurrent/ConcurrentMap.h, 4714
src/main/decaf/util/concurrent/ConcurrentStlMap.h, 4715
src/main/decaf/util/concurrent/CountDownLatch.h, 4715
src/main/decaf/util/concurrent/Delayed.h, 4716
src/main/decaf/util/concurrent/ExecutionException.h, 4716
src/main/decaf/util/concurrent/Executor.h, 4717
src/main/decaf/util/concurrent/ExecutorService.h, 4717
src/main/decaf/util/concurrent/Future.h, 4718
src/main/decaf/util/concurrent/Lock.h, 4718
src/main/decaf/util/concurrent/locks/Condition.h, 4719

src/main/decaf/util/concurrent/locks/Lock.h, 4719
src/main/decaf/util/concurrent/locks/LockSupport.h, 4720
src/main/decaf/util/concurrent/locks/ReadWriteLock.h, 4721
src/main/decaf/util/concurrent/locks/ReentrantLock.h, 4721
src/main/decaf/util/concurrent/Mutex.h, 4722
src/main/decaf/util/concurrent/PooledThread.h, 4722
src/main/decaf/util/concurrent/PooledThreadListener.h, 4723
src/main/decaf/util/concurrent/RejectedExecutionException.h, 4723
src/main/decaf/util/concurrent/RejectedExecutionHandler.h, 4724
src/main/decaf/util/concurrent/Semaphore.h, 4724
src/main/decaf/util/concurrent/Synchronizable.h, 4725
src/main/decaf/util/concurrent/SynchronousQueue.h, 4725
src/main/decaf/util/concurrent/TaskListener.h, 4726
src/main/decaf/util/concurrent/ThreadFactory.h, 4726
src/main/decaf/util/concurrent/ThreadPool.h, 4727
src/main/decaf/util/concurrent/TimeoutException.h, 4728
src/main/decaf/util/concurrent/TimeUnit.h, 4728
src/main/decaf/util/Config.h, 4275
src/main/decaf/util/Date.h, 4729
src/main/decaf/util/Iterator.h, 4729
src/main/decaf/util/List.h, 4730
src/main/decaf/util/ListIterator.h, 4730
src/main/decaf/util/logging/ConsoleHandler.h, 4731
src/main/decaf/util/logging/ErrorManager.h, 4731
src/main/decaf/util/logging/Filter.h, 4732
src/main/decaf/util/logging/Formatter.h, 4732
src/main/decaf/util/logging/Handler.h, 4733
src/main/decaf/util/logging/Level.h, 4734
src/main/decaf/util/logging/Logger.h, 4734
src/main/decaf/util/logging/LoggerCommon.h, 4735
src/main/decaf/util/logging/LoggerDefines.h, 4735
src/main/decaf/util/logging/LoggerHierarchy.h, 4737
src/main/decaf/util/logging/LogManager.h, 4737
src/main/decaf/util/logging/LogRecord.h, 4738
src/main/decaf/util/logging/LogWriter.h, 4739
src/main/decaf/util/logging/MarkBlockLogger.h, 4739
src/main/decaf/util/logging/PropertiesChangeListener.h, 4740
src/main/decaf/util/logging/SimpleFormatter.h, 4740
src/main/decaf/util/logging/SimpleLogger.h, 4741
src/main/decaf/util/logging/StreamHandler.h, 4741
src/main/decaf/util/logging/XMLFormatter.h, 4742
src/main/decaf/util/Map.h, 4742
src/main/decaf/util/PriorityQueue.h, 4743
src/main/decaf/util/Properties.h, 4743
src/main/decaf/util/Queue.h, 4585
src/main/decaf/util/Random.h, 4744
src/main/decaf/util/Set.h, 4745
src/main/decaf/util/StlList.h, 4745
src/main/decaf/util/StlMap.h, 4746
src/main/decaf/util/StlQueue.h, 4747
src/main/decaf/util/StlSet.h, 4747
src/main/decaf/util/StringTokenizer.h, 4748
src/main/decaf/util/Timer.h, 4748
src/main/decaf/util/TimerTask.h, 4749
src/main/decaf/util/UUID.h, 4750
src/main/decaf/util/zip/Adler32.h, 4750
src/main/decaf/util/zip/CheckedInputStream.h, 4751
src/main/decaf/util/zip/CheckedOutputStream.h, 4751
src/main/decaf/util/zip/Checksum.h, 4752
src/main/decaf/util/zip/CRC32.h, 4752
src/main/decaf/util/zip/DataFormatException.h, 4753
src/main/decaf/util/zip/Deflater.h, 4753
src/main/decaf/util/zip/DeflaterOutputStream.h, 4754
src/main/decaf/util/zip/Inflater.h, 4754
src/main/decaf/util/zip/InflaterInputStream.h, 4755
src/main/decaf/util/zip/ZipException.h, 4756

SSLContext
decaf::net::ssl::SSLContext, 3654
SSLParameters
decaf::net::ssl::SSLParameters, 3659, 3660
SSLServerSocket
decaf::net::ssl::SSLServerSocket, 3663, 3664
SSLServerSocketFactory
decaf::net::ssl::SSLServerSocketFactory, 3669
SSLSocket
decaf::net::ssl::SSLSocket, 3672, 3673
SSLSocketFactory
decaf::net::ssl::SSLSocketFactory, 3680
SslTransport
activemq::transport::tcp::SslTransport, 3683
stackTrace
decaf::lang::Exception, 1893
StandardErrorOutputStream
decaf::internal::io::StandardErrorOutputStream, 3687
StandardInputStream
decaf::internal::io::StandardInputStream, 3689
StandardOutputStream
decaf::internal::io::StandardOutputStream, 3690
start
activemq::commands::ConsumerControl, 1446
activemq::core::ActiveMQConnection, 280
activemq::core::ActiveMQConsumer, 310
activemq::core::ActiveMQSession, 531
activemq::core::ActiveMQSessionExecutor, 535
activemq::core::MessageDispatchChannel, 2688
activemq::transport::correlator::ResponseCorrelator, 3388
activemq::transport::failover::FailoverTransport, 1942
activemq::transport::IOTransport, 2220
activemq::transport::mock::MockTransport, 2863
activemq::transport::Transport, 4002
activemq::transport::TransportFilter, 4052
activemq::wireformat::openwire::OpenWireFormatNegotiator, 2989
cms::Startable, 3692
decaf::lang::Thread, 3885
gz_state, 2041
startHandshake
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2954
decaf::net::ssl::SSLSocket, 3678
stat_desc
tree_desc_s, 4018
State
decaf::lang::Thread, 3880
state
z_stream_s, 4175
static_dtree
trees.h, 4630
static_len
internal_state, 2191
static_ltree
trees.h, 4630
static_tree_desc
deflate.h, 4623
STATIC_TREES
zutil.h, 4639
staticCast
decaf::lang::Pointer, 3039
StaticInitializer
activemq::core::ActiveMQConstants::StaticInitializer, 3693
status
internal_state, 2191
std, 157
std::binary_function, 842
std::less< decaf::lang::ArrayPointer< T > >, 2401
operator(), 2402
std::less< decaf::lang::Pointer< T > >, 2402
operator(), 2403
StlList
decaf::util::StlList, 3699, 3700
StlMap
decaf::util::StlMap, 3713
StlQueue
decaf::util::StlQueue, 3725
StlSet
decaf::util::StlSet, 3734
StompFrame

activemq::wireformat::stomp::StompFrame, 3742
StompHelper
activemq::wireformat::stomp::StompHelper, 3747
StompWireFormat
activemq::wireformat::stomp::StompWireFormat, 3752
StompWireFormatFactory
activemq::wireformat::stomp::StompWireFormatFactory, 3755
stop
activemq::commands::ConsumerControl, 1446
activemq::core::ActiveMQConnection, 280
activemq::core::ActiveMQConsumer, 310
activemq::core::ActiveMQSession, 531
activemq::core::ActiveMQSessionExecutor, 535
activemq::core::MessageDispatchChannel, 2688
activemq::transport::failover::FailoverTransport, 1942
activemq::transport::IOTransport, 2220
activemq::transport::mock::MockTransport, 2864
activemq::transport::Transport, 4002
activemq::transport::TransportFilter, 4012
cms::Stoppable, 3756
decaf::util::concurrent::PooledThread, 3058
store
decaf::util::Properties, 3224, 3225
STORED
inflate.h, 4627
STORED_BLOCK
zutil.h, 4639
strategy
gz_state, 2041
internal_state, 2191
StreamHandler
decaf::util::logging::StreamHandler, 3758
String
decaf::lang::String, 3777
STRING_TYPE
activemq::util::PrimitiveValueNode, 3104
StringTokenizer
decaf::util::StringTokenizer, 3779
stringValue
activemq::util::PrimitiveValueNode::PrimitiveValue, 3098
strm,
gz_state, 2041
internal_state, 2191
strstart,
internal_state, 2191
subcriptionName
activemq::commands::RemoveSubscriptionInfo, 3318
activemq::commands::SubscriptionInfo, 3786
SUBSCRIBE
activemq::wireformat::stomp::StompCommandConstants, 3740
subscribedDestination
activemq::commands::SubscriptionInfo, 3786
SubscriptionInfo
activemq::commands::SubscriptionInfo, 3783
SubscriptionInfoMarshaller
activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller, 3792
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller, 3808
activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller, 3788
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller, 3800
activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller, 3796
activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller, 3804
subscriptionName
activemq::commands::ConsumerInfo, 1509
subscritionName
activemq::commands::JournalTopicAck, 2256
subSequence
decaf::internal::nio::CharArrayBuffer, 1147
decaf::lang::CharSequence, 1168
decaf::lang::String, 3778
decaf::nio::CharBuffer, 1165
supportsUrgentData
decaf::net::SocketImpl, 3643
suspend

activemq::commands::ConnectionControl, 1306
swap
decaf::lang::ArrayPointer, 743
decaf::lang::Pointer, 3040
decaf::util::concurrent::atomic::AtomicRefCounter, 756
SYNC
inflate.h, 4627
sync
decaf::io::FileDescriptor, 1948
SynchronizableImpl
decaf::internal::util::concurrent::SynchronizableImpl, 3823
synchronized
Concurrent.h, 4713
SynchronousQueue
decaf::util::concurrent::SynchronousQueue, 3830
syncRequest
activemq::core::ActiveMQConnection, 280
activemq::core::ActiveMQSession, 531
System
decaf::lang::System, 3840

TABLE
inflate.h, 4627
take
decaf::util::concurrent::BlockingQueue, 855
decaf::util::concurrent::SynchronousQueue, 3837
takeSession
activemq::cmsutil::SessionPool, 3535
targetConsumerId
activemq::commands::Message, 2613
Task
decaf::util::concurrent::ThreadPool, 3891
TcpSocket
decaf::internal::net::tcp::TcpSocket, 3854
TcpSocketInputStream
decaf::internal::net::tcp::TcpSocketInputStream, 3861
TcpSocketOutputStream
decaf::internal::net::tcp::TcpSocketOutputStream, 3864
TcpTransport
activemq::transport::tcp::TcpTransport, 3866
TEMP_POSTFIX
activemq::commands::ActiveMQDestination, 323
TEMP_PREFIX
activemq::commands::ActiveMQDestination, 323
TEMP_QUEUE_QUALIFED_PREFIX
activemq::commands::ActiveMQDestination, 323
TEMP_TOPIC_QUALIFED_PREFIX
activemq::commands::ActiveMQDestination, 323
TEMPORARY_QUEUE
cms::Destination, 1777
TEMPORARY_TOPIC
cms::Destination, 1777
TEMPQUEUE_PREFIX
activemq::wireformat::stomp::StompCommandConstants, 3740
TEMPTOPIC_PREFIX
activemq::wireformat::stomp::StompCommandConstants, 3740
TERMINATED
decaf::lang::Thread, 3880
TEXT
activemq::wireformat::stomp::StompCommandConstants, 3740
text
activemq::commands::ActiveMQTextMessage, 671
gz_header_s, 2039
Thread
decaf::lang::Thread, 3880, 3881
ThreadGroup
decaf::lang::ThreadGroup, 3888
ThreadPool
decaf::util::concurrent::ThreadPool, 3891
Throwable
decaf::lang::Throwable, 3896
Throwing
decaf::util::logging, 156
throwing
decaf::util::logging::Logger, 2473
tightMarshal1
activemq::wireformat::openwire::marshal::BaseDataStreamMa
826
activemq::wireformat::openwire::marshal::DataStreamMarsha
1690
activemq::wireformat::openwire::marshal::v1::ActiveMQBlob
196

activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller, 241
activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller, 330
activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller, 371
activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller, 399
activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller, 447
activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller, 493
activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller, 560
activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller, 589
activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller, 618
activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller, 652
activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller, 682
activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller, 712
activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller, 789
activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller, 889
activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller, 921
activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller, 1318
activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller, 1351
activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller, 1383
activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller, 1415
activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller, 1462
activemq::wireformat::openwire::marshal::v1::MessageDispatchNotification, 1492
activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller, 1525
activemq::wireformat::openwire::marshal::v1::MessageMarshaller, 1555
activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller, 1590
activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller, 1659
activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller, 1800
activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller, 1834
activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller, 1922
activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller, 2021
activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller, 2182
activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller, 2250
activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller, 2279
activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller, 2302
activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller, 2334
activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller, 2362
activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller, 2398
activemq::wireformat::openwire::marshal::v1::WireFormatMarshaller, 2448
activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller, 2668
activemq::wireformat::openwire::marshal::v1::BrokerId, 2710
activemq::wireformat::openwire::marshal::v1::BrokerInfo, 2740
activemq::wireformat::openwire::marshal::v1::ConnectionControl, 2778
activemq::wireformat::openwire::marshal::v1::ConnectionInfo, 2800
activemq::wireformat::openwire::marshal::v1::ConsumerId, 2848
activemq::wireformat::openwire::marshal::v1::ConsumerInfo, 2903
activemq::wireformat::openwire::marshal::v1::ConsumerControl, 3031
activemq::wireformat::openwire::marshal::v1::DataArrayResponse, 3152
activemq::wireformat::openwire::marshal::v1::DataResponse, 3184
activemq::wireformat::openwire::marshal::v1::DestinationInfo, 3201
activemq::wireformat::openwire::marshal::v1::IntegerResponse, 3303
activemq::wireformat::openwire::marshal::v1::JournalQueueAck, 3321

activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller, 934
activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller, 1330
activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller, 1338
activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller, 1371
activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller, 1402
activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller, 1449
activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller, 1479
activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller, 1512
activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller, 1542
activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller, 1577
activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller, 1646
activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller, 1787
activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller, 1822
activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller, 1904
activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller, 2008
activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller, 2169
activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller, 2234
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller, 2263
activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller, 2286
activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller, 2318
activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller, 2345
activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller, 2385
activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller, 2431
activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller, 2655
activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller, 2693
activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller, 3354
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller, 3411
activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller, 3503
activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller, 3519
activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller, 3587
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller, 3793
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller, 3942
activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller, 3971
activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller, 4123
activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller, 4162
activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller, 205
activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller, 258
activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller, 342
activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller, 384
activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller, 412
activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller, 460
activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller, 506
activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller, 572
activemq::wireformat::openwire::marshal::v2::ActiveMQTemporaryDestinationMarshaller, 601
activemq::wireformat::openwire::marshal::v2::ActiveMQTemporaryQueueMarshaller, 630
activemq::wireformat::openwire::marshal::v2::ActiveMQTemporaryTopicMarshaller, 660
activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller, 695
activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller, 725
activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller, 810
activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller, 901

activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller, 2727
activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller, 2758
activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller, 2791
activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller, 2831
activemq::wireformat::openwire::marshal::v3::ActiveMQTempDestinationMarshaller, 2883
activemq::wireformat::openwire::marshal::v3::ActiveMQTempQueueMarshaller, 3013
activemq::wireformat::openwire::marshal::v3::ActiveMQTempTopicMarshaller, 3131
activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller, 3164
activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller, 3197
activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller, 3290
activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller, 3329
activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller, 3358
activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller, 3396
activemq::wireformat::openwire::marshal::v3::ConnectionErrorMarshaller, 3483
activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller, 3528
activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller, 3583
activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller, 3809
activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller, 3946
activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller, 3988
activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller, 4115
activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller, 4154
activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller, 192
activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller, 237
activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller, 326
activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller, 367
activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller, 395
activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller, 443
activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller, 489
activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller, 555
activemq::wireformat::openwire::marshal::v3::JournalTopicInfoMarshaller, 585
activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller, 614
activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller, 644
activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller, 674
activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller, 704
activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller, 775
activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller, 880
activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller, 913
activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller, 1309
activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller, 1343
activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller, 1375
activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller, 1406
activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller, 1453
activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller, 1483
activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller, 1516
activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller, 1546
activemq::wireformat::openwire::marshal::v3::ResponseMarshaller, 1581
activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller, 1650
activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller, 1791
activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller, 1826
activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller, 1909
activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller, 2727
activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller, 2758
activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller, 2791
activemq::wireformat::openwire::marshal::v3::ActiveMQBytesMessageMarshaller, 2831
activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller, 2883
activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller, 3013

activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller, 2013
activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller, 2174
activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller, 2242
activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller, 2267
activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller, 2290
activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller, 2322
activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller, 2349
activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller, 2380
activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller, 2436
activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller, 2659
activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller, 2697
activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller, 2731
activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller, 2770
activemq::wireformat::openwire::marshal::v3::MessageMarshaller, 2787
activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller, 2839
activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller, 2895
activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller, 3022
activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller, 3139
activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller, 3172
activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller, 3210
activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller, 3299
activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller, 3325
activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller, 3362
activemq::wireformat::openwire::marshal::v3::ResponseMarshaller, 3406
activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller, 3499
activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller, 3524
activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller, 3595
activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller, 3789
activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller, 3950
activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller, 3975
activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller, 4127
activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller, 4166
activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMarshaller, 200
activemq::wireformat::openwire::marshal::v4::ActiveMQByteArrayMarshaller, 246
activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller, 334
activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller, 375
activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller, 404
activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller, 451
activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller, 498
activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMarshaller, 564
activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestinationMarshaller, 593
activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMarshaller, 622
activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarshaller, 648
activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller, 678
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller, 708
activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller, 782
activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller, 884
activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller, 917
activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller, 1313
activemq::wireformat::openwire::marshal::v4::ConnectionErrorMarshaller, 1347

activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller, 1379
activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller, 1411
activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller, 1458
activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller, 1488
activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller, 1521
activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller, 1550
activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller, 1586
activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller, 1654
activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller, 1795
activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller, 1830
activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller, 1917
activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller, 2017
activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller, 2178
activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller, 2246
activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller, 2275
activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller, 2298
activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller, 2330
activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller, 2353
activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller, 2393
activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller, 2444
activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller, 2664
activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller, 2706
activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller, 2736
activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller, 2762
activemq::wireformat::openwire::marshal::v4::MessageMarshaller, 2796
activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller, 2844
activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller, 2899
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller, 3026
activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller, 3135
activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller, 3168
activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller, 3193
activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller, 3311
activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller, 3342
activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller, 3349
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller, 3391
activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller, 3487
activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller, 3532
activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller, 3600
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller, 3801
activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller, 3954
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller, 3983
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller, 4119
activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller, 4158
activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller, 209
activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller, 250
activemq::wireformat::openwire::marshal::v5::ActiveMQDestinationMarshaller, 338
activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller, 380
activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller, 408
activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller, 456
activemq::wireformat::openwire::marshal::v5::ActiveMQQueueMarshaller, 502

activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller, 568
activemq::wireformat::openwire::marshal::v5::ActiveMQTemporaryQueueMarshaller, 597
activemq::wireformat::openwire::marshal::v5::ActiveMQTemporaryTopicMarshaller, 626
activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller, 656
activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller, 687
activemq::wireformat::openwire::marshal::v5::BaseCommandMarshaller, 716
activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller, 796
activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller, 893
activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller, 926
activemq::wireformat::openwire::marshal::v5::ConnectionFromMarshaller, 1322
activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller, 1355
activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller, 1387
activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller, 1419
activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller, 1466
activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller, 1496
activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller, 1529
activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller, 1559
activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller, 1594
activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller, 1637
activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller, 1808
activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshaller, 1838
activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller, 1913
activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller, 2025
activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller, 2187
activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller, 2238
activemq::wireformat::openwire::marshal::v5::JournalTopicAck, 2259
activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller, 2306
activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshaller, 2326
activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller, 2358
activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarshaller, 2389
activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshaller, 2440
activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller, 2672
activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller, 2701
activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificationMarshaller, 2744
activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller, 2766
activemq::wireformat::openwire::marshal::v5::MessageMarshaller, 2783
activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller, 2835
activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarshaller, 2891
activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller, 3017
activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller, 3144
activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller, 3176
activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller, 3205
activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller, 3307
activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller, 3337
activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller, 3371
activemq::wireformat::openwire::marshal::v5::ResponseMarshaller, 3401
activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller, 3495
activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller, 3515
activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller, 3591
activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller, 3797

activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller, 3938
activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller, 3967
activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller, 4107
activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller, 4171
activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller, 213
activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller, 254
activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller, 346
activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller, 388
activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller, 416
activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller, 464
activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller, 510
activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller, 577
activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryQueueMarshaller, 605
activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryTopicMarshaller, 635
activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller, 665
activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller, 691
activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller, 721
activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller, 803
activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller, 897
activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller, 930
activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller, 1326
activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller, 1360
activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller, 1391
activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller, 1423
activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller, 1470
activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller, 1500
activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller, 1533
activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller, 1563
activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller, 1599
activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller, 1641
activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller, 1804
activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller, 1817
activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller, 1900
activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller, 2004
activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller, 2165
activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller, 2230
activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller, 2271
activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller, 2294
activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller, 2314
activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller, 2341
activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller, 2376
activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller, 2427
activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller, 2651
activemq::wireformat::openwire::marshal::v6::MessageDispatchNotification, 2714
activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller, 2723
activemq::wireformat::openwire::marshal::v6::MessageMarshaller, 2774
activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller, 2805
activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller, 2852
activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller, 2887
activemq::wireformat::openwire::marshal::v6::ProducerControlMarshaller, 3008

activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller, 560
3148 activemq::wireformat::openwire::marshal::v1::ActiveMQTemp
activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller, 589
3180 activemq::wireformat::openwire::marshal::v1::ActiveMQTemp
activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller, 618
3214 activemq::wireformat::openwire::marshal::v1::ActiveMQTemp
activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller, 653
3294 activemq::wireformat::openwire::marshal::v1::ActiveMQTextl
activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller, 683
3333 activemq::wireformat::openwire::marshal::v1::ActiveMQTopic
activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller, 713
3366 activemq::wireformat::openwire::marshal::v1::BaseCommand
activemq::wireformat::openwire::marshal::v6::ResponseMarshaller, 790
3416 activemq::wireformat::openwire::marshal::v1::BrokerIdMarsh
activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller, 889
3491 activemq::wireformat::openwire::marshal::v1::BrokerInfoMar
activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller, 922
3511 activemq::wireformat::openwire::marshal::v1::ConnectionCon
activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller, 1318
3578 activemq::wireformat::openwire::marshal::v1::ConnectionErro
activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller, 1352
3805 activemq::wireformat::openwire::marshal::v1::ConnectionIdM
activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller, 1384
3958 activemq::wireformat::openwire::marshal::v1::ConnectionInfo
activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller, 1416
3979 activemq::wireformat::openwire::marshal::v1::ConsumerCont
activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller, 1453
4111 activemq::wireformat::openwire::marshal::v1::ConsumerIdMa
activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller, 1492
4150 activemq::wireformat::openwire::marshal::v1::ConsumerInfoM
tightMarshal2 1526
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, activemq::wireformat::openwire::marshal::v1::ControlComma
827 1555
activemq::wireformat::openwire::marshal::DataStreamMarshaller, activemq::wireformat::openwire::marshal::v1::DataArrayResp
1698 1591
activemq::wireformat::openwire::marshal::v1::ActiveMQBrokerInfoMarshaller, activemq::wireformat::openwire::marshal::v1::DataResponseM
197 1659
activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller, activemq::wireformat::openwire::marshal::v1::DestinationInfo
242 1800
activemq::wireformat::openwire::marshal::v1::ActiveMQConsumerMarshaller, activemq::wireformat::openwire::marshal::v1::DiscoveryEven
330 1834
activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller, activemq::wireformat::openwire::marshal::v1::ExceptionResp
372 1922
activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller, activemq::wireformat::openwire::marshal::v1::FlushCommand
400 2022
activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller, activemq::wireformat::openwire::marshal::v1::IntegerRespons
448 2183
activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller, activemq::wireformat::openwire::marshal::v1::JournalQueueA
494 2251
activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller, activemq::wireformat::openwire::marshal::v1::JournalTopicAc

2280 activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller,
2303 activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller,
2334 activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller,
2363 activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller,
2398 activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller,
2449 activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller,
2669 activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller,
2711 activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller,
2741 activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller,
2778 activemq::wireformat::openwire::marshal::v1::MessageMarshaller,
2801 activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller,
2849 activemq::wireformat::openwire::marshal::v1::NetworkBridgeFilterMarshaller,
2904 activemq::wireformat::openwire::marshal::v1::PartialCommandMarshaller,
3031 activemq::wireformat::openwire::marshal::v1::ProducerAckMarshaller,
3153 activemq::wireformat::openwire::marshal::v1::ProducerIdMarshaller,
3184 activemq::wireformat::openwire::marshal::v1::ProducerInfoMarshaller,
3202 activemq::wireformat::openwire::marshal::v1::RemoveInfoMarshaller,
3304 activemq::wireformat::openwire::marshal::v1::RemoveSubscriptionInfoMarshaller,
3321 activemq::wireformat::openwire::marshal::v1::ReplayCommandMarshaller,
3354 activemq::wireformat::openwire::marshal::v1::ResponseMarshaller,
3412 activemq::wireformat::openwire::marshal::v1::SessionIdMarshaller,
3504 activemq::wireformat::openwire::marshal::v1::SessionInfoMarshaller,
3520 activemq::wireformat::openwire::marshal::v1::ShutdownInfoMarshaller,
3588 activemq::wireformat::openwire::marshal::v1::SubscriptionInfoMarshaller,
3794 activemq::wireformat::openwire::marshal::v1::TransactionIdMarshaller,
3942 activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller,
3971 activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller,
4124 activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller,
4163 activemq::wireformat::openwire::marshal::v2::ActiveMQBlobMessageMarshaller,
205 activemq::wireformat::openwire::marshal::v2::ActiveMQBytesMessageMarshaller,
259 activemq::wireformat::openwire::marshal::v2::ActiveMQDestinationMarshaller,
342 activemq::wireformat::openwire::marshal::v2::ActiveMQMapMessageMarshaller,
385 activemq::wireformat::openwire::marshal::v2::ActiveMQMessageMarshaller,
413 activemq::wireformat::openwire::marshal::v2::ActiveMQObjectMessageMarshaller,
461 activemq::wireformat::openwire::marshal::v2::ActiveMQQueueMarshaller,
507 activemq::wireformat::openwire::marshal::v2::ActiveMQStreamMessageMarshaller,
573 activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller,
601 activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller,
631 activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller,
661 activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller,
696 activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller,
726 activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller,
811 activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller,
901 activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller,
935 activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller,
1331 activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller,
1339 activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller,
1371 activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller,
1403 activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller,
1450 activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller,

1480
activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller,
1513
activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller,
1543
activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller,
1578
activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller,
1646
activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller,
1788
activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller,
1822
activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller,
1905
activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller,
2009
activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller,
2170
activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller,
2235
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller,
2264
activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller,
2286
activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller,
2318
activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller,
2346
activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller,
2385
activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller,
2432
activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller,
2656
activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller,
2694
activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller,
2728
activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller,
2758
activemq::wireformat::openwire::marshal::v2::MessageMarshaller,
2792
activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller,
2832
activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller,
2884
activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller,
3013
activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller,
3132
activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller,
3164
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller,
3198
activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller,
3291
activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller,
3330
activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller,
3359
activemq::wireformat::openwire::marshal::v2::ResponseMarshaller,
3397
activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller,
3484
activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller,
3529
activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller,
3583
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller,
3810
activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller,
3946
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller,
3988
activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller,
4116
activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller,
4154
activemq::wireformat::openwire::marshal::v3::ActiveMQBlobMessageMarshaller,
193
activemq::wireformat::openwire::marshal::v3::ActiveMQByteMessageMarshaller,
238
activemq::wireformat::openwire::marshal::v3::ActiveMQDestinationMarshaller,
326
activemq::wireformat::openwire::marshal::v3::ActiveMQMapMessageMarshaller,
368
activemq::wireformat::openwire::marshal::v3::ActiveMQMessageMarshaller,
396
activemq::wireformat::openwire::marshal::v3::ActiveMQObjectMessageMarshaller,
444
activemq::wireformat::openwire::marshal::v3::ActiveMQQueueMarshaller,
490
activemq::wireformat::openwire::marshal::v3::ActiveMQStreamMessageMarshaller,
556
activemq::wireformat::openwire::marshal::v3::ActiveMQTemporaryQueueMarshaller,
585
activemq::wireformat::openwire::marshal::v3::ActiveMQTemporaryTopicMarshaller,
614
activemq::wireformat::openwire::marshal::v3::ActiveMQTemporaryMessageMarshaller,

644
activemq::wireformat::openwire::marshal::v3::ActiveMQTextMessageMarshaller,
675
activemq::wireformat::openwire::marshal::v3::ActiveMQTopicMarshaller,
704
activemq::wireformat::openwire::marshal::v3::BaseCommandMarshaller,
776
activemq::wireformat::openwire::marshal::v3::BrokerIdMarshaller,
881
activemq::wireformat::openwire::marshal::v3::BrokerInfoMarshaller,
914
activemq::wireformat::openwire::marshal::v3::ConnectionControlMarshaller,
1310
activemq::wireformat::openwire::marshal::v3::ConnectionEntryMarshaller,
1343
activemq::wireformat::openwire::marshal::v3::ConnectionIdMarshaller,
1376
activemq::wireformat::openwire::marshal::v3::ConnectionInfoMarshaller,
1407
activemq::wireformat::openwire::marshal::v3::ConsumerControlMarshaller,
1454
activemq::wireformat::openwire::marshal::v3::ConsumerIdMarshaller,
1484
activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller,
1517
activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller,
1547
activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller,
1582
activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller,
1651
activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller,
1792
activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller,
1826
activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller,
1909
activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller,
2013
activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller,
2174
activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller,
2243
activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller,
2268
activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller,
2291
activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller,
2322
activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller,
2350
activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller,
2381
activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller,
2436
activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller,
2660
activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller,
2698
activemq::wireformat::openwire::marshal::v3::MessageDispatchNotification,
2732
activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller,
2770
activemq::wireformat::openwire::marshal::v3::MessageMarshaller,
2788
activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller,
2840
activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller,
2896
activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller,
3022
activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller,
3140
activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller,
3172
activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller,
3210
activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller,
3299
activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMarshaller,
3325
activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller,
3363
activemq::wireformat::openwire::marshal::v3::ResponseMarshaller,
3407
activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller,
3500
activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller,
3524
activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller,
3596
activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller,
3789
activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller,
3950
activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller,
3976
activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller,
4128
activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller,

4167
activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMarshaller, 1586
activemq::wireformat::openwire::marshal::v4::DataResponseM
201
activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMarshaller, 1655
activemq::wireformat::openwire::marshal::v4::DestinationInfo
246
activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarshaller, 1796
activemq::wireformat::openwire::marshal::v4::DiscoveryEven
334
activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMarshaller, 1830
activemq::wireformat::openwire::marshal::v4::ExceptionResp
376
activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshaller, 1918
activemq::wireformat::openwire::marshal::v4::FlushCommand
404
activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageMarshaller, 2018
activemq::wireformat::openwire::marshal::v4::IntegerRespons
452
activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller, 2179
activemq::wireformat::openwire::marshal::v4::JournalQueueA
498
activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageMarshaller, 2247
activemq::wireformat::openwire::marshal::v4::JournalTopicAc
565
activemq::wireformat::openwire::marshal::v4::ActiveMQTemporaryQueueMarshaller, 2276
activemq::wireformat::openwire::marshal::v4::JournalTraceM
593
activemq::wireformat::openwire::marshal::v4::ActiveMQTemporaryTopicMarshaller, 2299
activemq::wireformat::openwire::marshal::v4::JournalTransact
623
activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller, 2330
activemq::wireformat::openwire::marshal::v4::KeepAliveInfoM
648
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller, 2354
activemq::wireformat::openwire::marshal::v4::LastPartialCom
679
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller, 2394
activemq::wireformat::openwire::marshal::v4::LocalTransactio
709
activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller, 2445
activemq::wireformat::openwire::marshal::v4::MessageAckMa
783
activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller, 2664
activemq::wireformat::openwire::marshal::v4::MessageDispat
885
activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller, 2706
activemq::wireformat::openwire::marshal::v4::MessageDispat
918
activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller, 2736
activemq::wireformat::openwire::marshal::v4::MessageIdMars
1314
activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller, 2762
activemq::wireformat::openwire::marshal::v4::MessageMarsha
1348
activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller, 2797
activemq::wireformat::openwire::marshal::v4::MessagePullMa
1380
activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller, 2844
activemq::wireformat::openwire::marshal::v4::NetworkBridge
1411
activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller, 2900
activemq::wireformat::openwire::marshal::v4::PartialComman
1458
activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller, 3027
activemq::wireformat::openwire::marshal::v4::ProducerAckM
1488
activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller, 3136
activemq::wireformat::openwire::marshal::v4::ProducerIdMar
1521
activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller, 3168
activemq::wireformat::openwire::marshal::v4::ProducerInfoM
1551
activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller, 3193
activemq::wireformat::openwire::marshal::v4::RemoveInfoMa

3312 797
activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller, activemq::wireformat::openwire::marshal::v5::BrokerIdMarshaller,
3342 893
activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller, activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller,
3350 926
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller, activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshall
3392 1323
activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller, activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller,
3488 1356
activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller, activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller,
3533 1388
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller, activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller,
3600 1420
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller, activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller
3802 1467
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller, activemq::wireformat::openwire::marshal::v5::ConsumerIdMarshaller,
3954 1496
activemq::wireformat::openwire::marshal::v5::ActiveMQBlobMessageMarshaller, activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller,
3984 1530
activemq::wireformat::openwire::marshal::v5::ActiveMQBytesMessageMarshaller, activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller
4120 1560
activemq::wireformat::openwire::marshal::v5::ActiveMQMapMessageMarshaller, activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshal
4159 1595
activemq::wireformat::openwire::marshal::v5::ActiveMQMessageMarshaller, activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller,
210 1638
activemq::wireformat::openwire::marshal::v5::ActiveMQObjectMessageMarshaller, activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller,
251 1809
activemq::wireformat::openwire::marshal::v5::ActiveMQStreamMessageMarshaller, activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller,
338 1838
activemq::wireformat::openwire::marshal::v5::ActiveMQTextMessageMarshaller, activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshal
380 1914
activemq::wireformat::openwire::marshal::v5::ActiveMQTopicMarshaller, activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller,
409 2026
activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller, activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller,
456 2187
activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller, activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller
503 2239
activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller, activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller
569 2259
activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller, activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller,
597 2307
activemq::wireformat::openwire::marshal::v5::ConnectionErrorMarshaller, activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshall
627 2326
activemq::wireformat::openwire::marshal::v5::ConnectionIdMarshaller, activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller,
657 2358
activemq::wireformat::openwire::marshal::v5::ConnectionInfoMarshaller, activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarsha
687 2390
activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller, activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshall
717 2441
activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller, activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller,

2673 activemq::wireformat::openwire::marshal::v6::ActiveMQMap
2702 activemq::wireformat::openwire::marshal::v6::ActiveMQMess
2745 activemq::wireformat::openwire::marshal::v6::ActiveMQObje
2766 activemq::wireformat::openwire::marshal::v6::ActiveMQQueu
2783 activemq::wireformat::openwire::marshal::v6::ActiveMQStrea
2836 activemq::wireformat::openwire::marshal::v6::ActiveMQTemp
2892 activemq::wireformat::openwire::marshal::v6::ActiveMQTemp
3018 activemq::wireformat::openwire::marshal::v6::ActiveMQTemp
3144 activemq::wireformat::openwire::marshal::v6::ActiveMQTextl
3176 activemq::wireformat::openwire::marshal::v6::ActiveMQTopic
3206 activemq::wireformat::openwire::marshal::v6::BaseCommand
3308 activemq::wireformat::openwire::marshal::v6::BrokerIdMarsh
3338 activemq::wireformat::openwire::marshal::v6::BrokerInfoMar
3371 activemq::wireformat::openwire::marshal::v6::ConnectionCon
3402 activemq::wireformat::openwire::marshal::v6::ConnectionErro
3496 activemq::wireformat::openwire::marshal::v6::ConnectionIdM
3516 activemq::wireformat::openwire::marshal::v6::ConnectionInfo
3592 activemq::wireformat::openwire::marshal::v6::ConsumerCont
3798 activemq::wireformat::openwire::marshal::v6::ConsumerIdMa
3938 activemq::wireformat::openwire::marshal::v6::ConsumerInfoM
3967 activemq::wireformat::openwire::marshal::v6::ControlComma
4107 activemq::wireformat::openwire::marshal::v6::DataArrayResp
4171 activemq::wireformat::openwire::marshal::v6::DataResponseM
214 activemq::wireformat::openwire::marshal::v6::DestinationInfo
255 activemq::wireformat::openwire::marshal::v6::DiscoveryEven

346 activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller,
389 activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller,
417 activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller,
465 activemq::wireformat::openwire::marshal::v6::MessageMarshaller,
511 activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller,
577 activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller,
605 activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller,
635 activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller,
665 activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller,
692 activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller,
721 activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller,
804 activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller,
897 activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller,
931 activemq::wireformat::openwire::marshal::v6::ResponseMarshaller,
1327 activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller,
1360 activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller,
1392 activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller,
1424 activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller,
1471 activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller,
1500 activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller,
1534 activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller,
1564 activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller,
1599 activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller,
1642 activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller,
1805 activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller,

1818
activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller,
1901
activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller,
2005
activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller,
2166
activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller,
2231
activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller,
2272
activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller,
2295
activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller,
2314
activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller,
2341
activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller,
2377
activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller,
2428
activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller,
2652
activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller,
2715
activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller,
2724
activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller,
2774
activemq::wireformat::openwire::marshal::v6::MessageMarshaller,
2806
activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller,
2853
activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller,
2888
activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller,
3009
activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller,
3149
activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller,
3180
activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller,
3215
activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller,
3295
activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller,
3334
activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller,
3367
activemq::wireformat::openwire::marshal::v6::ResponseMarshaller,
3417
activemq::wireformat::openwire::marshal::v6::SessionIdMarshaller,
3492
activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller,
3512
activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller,
3579
activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller,
3806
activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller,
3958
activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller,
3980
activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller,
4112
activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller,
4150
tightMarshalBrokerError1
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
827
tightMarshalBrokerError2
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
828
tightMarshalCachedObject1
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
828
tightMarshalCachedObject2
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
828
tightMarshalLong1
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
829
tightMarshalLong2
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
829
tightMarshalNestedObject1
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
830
activemq::wireformat::openwire::OpenWireFormat,
2982
tightMarshalNestedObject2
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
830
activemq::wireformat::openwire::OpenWireFormat,
2982
tightMarshalObjectArray1
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
831
tightMarshalObjectArray2,

activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 138
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 831
tightMarshalString1
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 831
tightMarshalString2
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 832
tightUnmarshal
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 832
activemq::wireformat::openwire::marshal::DataStreamMarshaller, 1705
activemq::wireformat::openwire::marshal::v1::ActiveMQBlobMessageMarshaller, 197
activemq::wireformat::openwire::marshal::v1::ActiveMQBytesMessageMarshaller, 242
activemq::wireformat::openwire::marshal::v1::ActiveMQDestinationMarshaller, 331
activemq::wireformat::openwire::marshal::v1::ActiveMQMapMessageMarshaller, 372
activemq::wireformat::openwire::marshal::v1::ActiveMQMessageMarshaller, 400
activemq::wireformat::openwire::marshal::v1::ActiveMQObjectMessageMarshaller, 448
activemq::wireformat::openwire::marshal::v1::ActiveMQQueueMarshaller, 494
activemq::wireformat::openwire::marshal::v1::ActiveMQStreamMessageMarshaller, 561
activemq::wireformat::openwire::marshal::v1::ActiveMQTemporaryQueueMarshaller, 590
activemq::wireformat::openwire::marshal::v1::ActiveMQTemporaryTopicMarshaller, 619
activemq::wireformat::openwire::marshal::v1::ActiveMQTextMessageMarshaller, 653
activemq::wireformat::openwire::marshal::v1::ActiveMQTopicMarshaller, 683
activemq::wireformat::openwire::marshal::v1::BaseCommandMarshaller, 713
activemq::wireformat::openwire::marshal::v1::BrokerIdMarshaller, 791
activemq::wireformat::openwire::marshal::v1::BrokerInfoMarshaller, 890
activemq::wireformat::openwire::marshal::v1::ConnectionControlMarshaller, 922
activemq::wireformat::openwire::marshal::v1::ConnectionInfoMarshaller, 1319
activemq::wireformat::openwire::marshal::v1::ConsumerControlMarshaller, 1352
activemq::wireformat::openwire::marshal::v1::ConsumerIdMarshaller, 1416
activemq::wireformat::openwire::marshal::v1::ConsumerInfoMarshaller, 1463
activemq::wireformat::openwire::marshal::v1::ControlCommandMarshaller, 1526
activemq::wireformat::openwire::marshal::v1::DataArrayResponseMarshaller, 1556
activemq::wireformat::openwire::marshal::v1::DataResponseMarshaller, 1591
activemq::wireformat::openwire::marshal::v1::DestinationInfoMarshaller, 1660
activemq::wireformat::openwire::marshal::v1::DiscoveryEventMarshaller, 1801
activemq::wireformat::openwire::marshal::v1::ExceptionResponseMarshaller, 1835
activemq::wireformat::openwire::marshal::v1::FlushCommandMarshaller, 1923
activemq::wireformat::openwire::marshal::v1::IntegerResponseMarshaller, 2022
activemq::wireformat::openwire::marshal::v1::JournalQueueAckMarshaller, 2183
activemq::wireformat::openwire::marshal::v1::JournalTopicAckMarshaller, 2251
activemq::wireformat::openwire::marshal::v1::JournalTraceMarshaller, 2280
activemq::wireformat::openwire::marshal::v1::JournalTransactionMarshaller, 2303
activemq::wireformat::openwire::marshal::v1::KeepAliveInfoMarshaller, 2335
activemq::wireformat::openwire::marshal::v1::LastPartialCommandMarshaller, 2363
activemq::wireformat::openwire::marshal::v1::LocalTransactionIdMarshaller, 2399
activemq::wireformat::openwire::marshal::v1::MessageAckMarshaller, 2449
activemq::wireformat::openwire::marshal::v1::MessageDispatchMarshaller, 2669
activemq::wireformat::openwire::marshal::v1::MessageDispatchNotificationMarshaller, 2711
activemq::wireformat::openwire::marshal::v1::MessageIdMarshaller, 2741
activemq::wireformat::openwire::marshal::v1::MessageMarshaller, 2779
activemq::wireformat::openwire::marshal::v1::MessagePullMarshaller, 2802

activemq::wireformat::openwire::marshal::v2::ActiveMQTempDestinationMarshaller, 2849
activemq::wireformat::openwire::marshal::v2::ActiveMQTempQueueMarshaller, 2904
activemq::wireformat::openwire::marshal::v2::ActiveMQTempTopicMarshaller, 3032
activemq::wireformat::openwire::marshal::v2::ActiveMQTextMessageMarshaller, 3153
activemq::wireformat::openwire::marshal::v2::ActiveMQTopicMarshaller, 3185
activemq::wireformat::openwire::marshal::v2::BaseCommandMarshaller, 3202
activemq::wireformat::openwire::marshal::v2::BrokerIdMarshaller, 3304
activemq::wireformat::openwire::marshal::v2::BrokerInfoMarshaller, 3321
activemq::wireformat::openwire::marshal::v2::ConnectionControlMarshaller, 3355
activemq::wireformat::openwire::marshal::v2::ConnectionErrorMarshaller, 3413
activemq::wireformat::openwire::marshal::v2::ConnectionIdMarshaller, 3504
activemq::wireformat::openwire::marshal::v2::ConnectionInfoMarshaller, 3520
activemq::wireformat::openwire::marshal::v2::ConsumerControlMarshaller, 3588
activemq::wireformat::openwire::marshal::v2::ConsumerIdMarshaller, 3794
activemq::wireformat::openwire::marshal::v2::ConsumerInfoMarshaller, 3943
activemq::wireformat::openwire::marshal::v2::ControlCommandMarshaller, 3972
activemq::wireformat::openwire::marshal::v2::DataArrayResponseMarshaller, 4124
activemq::wireformat::openwire::marshal::v2::DataResponseMarshaller, 4163
activemq::wireformat::openwire::marshal::v2::DestinationInfoMarshaller, 206
activemq::wireformat::openwire::marshal::v2::DiscoveryEventMarshaller, 259
activemq::wireformat::openwire::marshal::v2::ExceptionResponseMarshaller, 343
activemq::wireformat::openwire::marshal::v2::FlushCommandMarshaller, 385
activemq::wireformat::openwire::marshal::v2::IntegerResponseMarshaller, 413
activemq::wireformat::openwire::marshal::v2::JournalQueueAckMarshaller, 461
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller, 507
activemq::wireformat::openwire::marshal::v2::JournalTopicAckMarshaller, 573
activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller, 602
activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller, 631
activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller, 661
activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller, 696
activemq::wireformat::openwire::marshal::v2::MessageMarshaller, 726
activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller, 812
activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller, 902
activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller, 935
activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller, 1331
activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller, 1339
activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller, 1372
activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller, 1403
activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller, 1450
activemq::wireformat::openwire::marshal::v2::ResponseMarshaller, 1480
activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller, 1513
activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller, 1543
activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller, 1578
activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller, 1647
activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller, 1788
activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller, 1823
2activeMQBlobMessageMarshaller, 1905
2activeMQBytesMessageMarshaller, 2009
2activeMQObjectMessageMarshaller, 2170
2activeMQStreamMessageMarshaller, 2235

2264 activemq::wireformat::openwire::marshal::v2::JournalTraceMarshaller,
2287 activemq::wireformat::openwire::marshal::v2::JournalTransactionMarshaller,
2319 activemq::wireformat::openwire::marshal::v2::KeepAliveInfoMarshaller,
2346 activemq::wireformat::openwire::marshal::v2::LastPartialCommandMarshaller,
2386 activemq::wireformat::openwire::marshal::v2::LocalTransactionIdMarshaller,
2432 activemq::wireformat::openwire::marshal::v2::MessageAckMarshaller,
2656 activemq::wireformat::openwire::marshal::v2::MessageDispatchMarshaller,
2694 activemq::wireformat::openwire::marshal::v2::MessageDispatchNotificationMarshaller,
2728 activemq::wireformat::openwire::marshal::v2::MessageIdMarshaller,
2758 activemq::wireformat::openwire::marshal::v2::MessageMarshaller,
2793 activemq::wireformat::openwire::marshal::v2::MessagePullMarshaller,
2832 activemq::wireformat::openwire::marshal::v2::NetworkBridgeFilterMarshaller,
2884 activemq::wireformat::openwire::marshal::v2::PartialCommandMarshaller,
3014 activemq::wireformat::openwire::marshal::v2::ProducerAckMarshaller,
3132 activemq::wireformat::openwire::marshal::v2::ProducerIdMarshaller,
3164 activemq::wireformat::openwire::marshal::v2::ProducerInfoMarshaller,
3198 activemq::wireformat::openwire::marshal::v2::RemoveInfoMarshaller,
3291 activemq::wireformat::openwire::marshal::v2::RemoveSubscriptionInfoMarshaller,
3330 activemq::wireformat::openwire::marshal::v2::ReplayCommandMarshaller,
3359 activemq::wireformat::openwire::marshal::v2::ResponseMarshaller,
3398 activemq::wireformat::openwire::marshal::v2::SessionIdMarshaller,
3484 activemq::wireformat::openwire::marshal::v2::SessionInfoMarshaller,
3529 activemq::wireformat::openwire::marshal::v2::ShutdownInfoMarshaller,
3584 activemq::wireformat::openwire::marshal::v2::SubscriptionInfoMarshaller,
3810 activemq::wireformat::openwire::marshal::v2::TransactionIdMarshaller,
3947 activemq::wireformat::openwire::marshal::v2::TransactionInfo
3989 activemq::wireformat::openwire::marshal::v2::WireFormatInfo
4116 activemq::wireformat::openwire::marshal::v2::XATransactionI
4155 activemq::wireformat::openwire::marshal::v3::ActiveMQBlob
193 activemq::wireformat::openwire::marshal::v3::ActiveMQByte
238 activemq::wireformat::openwire::marshal::v3::ActiveMQDest
327 activemq::wireformat::openwire::marshal::v3::ActiveMQMap
368 activemq::wireformat::openwire::marshal::v3::ActiveMQMess
396 activemq::wireformat::openwire::marshal::v3::ActiveMQObje
444 activemq::wireformat::openwire::marshal::v3::ActiveMQQueu
490 activemq::wireformat::openwire::marshal::v3::ActiveMQStrea
556 activemq::wireformat::openwire::marshal::v3::ActiveMQTemp
586 activemq::wireformat::openwire::marshal::v3::ActiveMQTemp
614 activemq::wireformat::openwire::marshal::v3::ActiveMQTemp
644 activemq::wireformat::openwire::marshal::v3::ActiveMQTextl
675 activemq::wireformat::openwire::marshal::v3::ActiveMQTopic
705 activemq::wireformat::openwire::marshal::v3::BaseCommand
777 activemq::wireformat::openwire::marshal::v3::BrokerIdMarsh
881 activemq::wireformat::openwire::marshal::v3::BrokerInfoMar
914 activemq::wireformat::openwire::marshal::v3::ConnectionCon
1310 activemq::wireformat::openwire::marshal::v3::ConnectionErro
1344 activemq::wireformat::openwire::marshal::v3::ConnectionIdM
1376 activemq::wireformat::openwire::marshal::v3::ConnectionInfo
1407 activemq::wireformat::openwire::marshal::v3::ConsumerCont
1454 activemq::wireformat::openwire::marshal::v3::ConsumerIdMa

1484
activemq::wireformat::openwire::marshal::v3::ConsumerInfoMarshaller,
1517
activemq::wireformat::openwire::marshal::v3::ControlCommandMarshaller,
1547
activemq::wireformat::openwire::marshal::v3::DataArrayResponseMarshaller,
1582
activemq::wireformat::openwire::marshal::v3::DataResponseMarshaller,
1651
activemq::wireformat::openwire::marshal::v3::DestinationInfoMarshaller,
1792
activemq::wireformat::openwire::marshal::v3::DiscoveryEventMarshaller,
1827
activemq::wireformat::openwire::marshal::v3::ExceptionResponseMarshaller,
1910
activemq::wireformat::openwire::marshal::v3::FlushCommandMarshaller,
2014
activemq::wireformat::openwire::marshal::v3::IntegerResponseMarshaller,
2175
activemq::wireformat::openwire::marshal::v3::JournalQueueAckMarshaller,
2243
activemq::wireformat::openwire::marshal::v3::JournalTopicAckMarshaller,
2268
activemq::wireformat::openwire::marshal::v3::JournalTraceMarshaller,
2291
activemq::wireformat::openwire::marshal::v3::JournalTransactionMarshaller,
2323
activemq::wireformat::openwire::marshal::v3::KeepAliveInfoMarshaller,
2350
activemq::wireformat::openwire::marshal::v3::LastPartialCommandMarshaller,
2381
activemq::wireformat::openwire::marshal::v3::LocalTransactionIdMarshaller,
2437
activemq::wireformat::openwire::marshal::v3::MessageAckMarshaller,
2660
activemq::wireformat::openwire::marshal::v3::MessageDispatchMarshaller,
2698
activemq::wireformat::openwire::marshal::v3::MessageDispatchNotificationMarshaller,
2732
activemq::wireformat::openwire::marshal::v3::MessageIdMarshaller,
2771
activemq::wireformat::openwire::marshal::v3::MessageMarshaller,
2788
activemq::wireformat::openwire::marshal::v3::MessagePullMarshaller,
2840
activemq::wireformat::openwire::marshal::v3::NetworkBridgeFilterMarshaller,
2896
activemq::wireformat::openwire::marshal::v3::PartialCommandMarshaller,
3023
activemq::wireformat::openwire::marshal::v3::ProducerAckMarshaller,
3140
activemq::wireformat::openwire::marshal::v3::ProducerIdMarshaller,
3173
activemq::wireformat::openwire::marshal::v3::ProducerInfoMarshaller,
3211
activemq::wireformat::openwire::marshal::v3::RemoveInfoMarshaller,
3300
activemq::wireformat::openwire::marshal::v3::RemoveSubscriptionInfoMa
3326
activemq::wireformat::openwire::marshal::v3::ReplayCommandMarshaller
3363
activemq::wireformat::openwire::marshal::v3::ResponseMarshaller,
3408
activemq::wireformat::openwire::marshal::v3::SessionIdMarshaller,
3500
activemq::wireformat::openwire::marshal::v3::SessionInfoMarshaller,
3525
activemq::wireformat::openwire::marshal::v3::ShutdownInfoMarshaller,
3596
activemq::wireformat::openwire::marshal::v3::SubscriptionInfoMarshaller,
3790
activemq::wireformat::openwire::marshal::v3::TransactionIdMarshaller,
3951
activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller,
3976
activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller,
4128
activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller
4167
activemq::wireformat::openwire::marshal::v4::ActiveMQBlobMessageMar
201
activemq::wireformat::openwire::marshal::v4::ActiveMQBytesMessageMa
247
activemq::wireformat::openwire::marshal::v4::ActiveMQDestinationMarsh
335
activemq::wireformat::openwire::marshal::v4::ActiveMQMapMessageMar
376
activemq::wireformat::openwire::marshal::v4::ActiveMQMessageMarshall
405
activemq::wireformat::openwire::marshal::v4::ActiveMQObjectMessageM
452
activemq::wireformat::openwire::marshal::v4::ActiveMQQueueMarshaller
499
activemq::wireformat::openwire::marshal::v4::ActiveMQStreamMessageM
565
activemq::wireformat::openwire::marshal::v4::ActiveMQTempDestination
594
activemq::wireformat::openwire::marshal::v4::ActiveMQTempQueueMars
623
activemq::wireformat::openwire::marshal::v4::ActiveMQTempTopicMarsh

activemq::wireformat::openwire::marshal::v4::ActiveMQTextMessageMarshaller, 649
activemq::wireformat::openwire::marshal::v4::ActiveMQTopicMarshaller, 679
activemq::wireformat::openwire::marshal::v4::BaseCommandMarshaller, 709
activemq::wireformat::openwire::marshal::v4::BrokerIdMarshaller, 784
activemq::wireformat::openwire::marshal::v4::BrokerInfoMarshaller, 885
activemq::wireformat::openwire::marshal::v4::ConnectionControlMarshaller, 918
activemq::wireformat::openwire::marshal::v4::ConnectionFromMarshaller, 1314
activemq::wireformat::openwire::marshal::v4::ConnectionIdMarshaller, 1348
activemq::wireformat::openwire::marshal::v4::ConnectionInfoMarshaller, 1380
activemq::wireformat::openwire::marshal::v4::ConsumerControlMarshaller, 1412
activemq::wireformat::openwire::marshal::v4::ConsumerIdMarshaller, 1459
activemq::wireformat::openwire::marshal::v4::ConsumerInfoMarshaller, 1489
activemq::wireformat::openwire::marshal::v4::ControlCommandMarshaller, 1522
activemq::wireformat::openwire::marshal::v4::DataArrayResponseMarshaller, 1551
activemq::wireformat::openwire::marshal::v4::DataResponseMarshaller, 1587
activemq::wireformat::openwire::marshal::v4::DestinationInfoMarshaller, 1655
activemq::wireformat::openwire::marshal::v4::DiscoveryEventMarshaller, 1796
activemq::wireformat::openwire::marshal::v4::ExceptionResponseMarshaller, 1831
activemq::wireformat::openwire::marshal::v4::FlushCommandMarshaller, 1918
activemq::wireformat::openwire::marshal::v4::IntegerResponseMarshaller, 2018
activemq::wireformat::openwire::marshal::v4::JournalQueueAckMarshaller, 2179
activemq::wireformat::openwire::marshal::v4::JournalTopicAckMarshaller, 2247
activemq::wireformat::openwire::marshal::v4::JournalTraceMarshaller, 2276
activemq::wireformat::openwire::marshal::v4::JournalTransactionMarshaller, 2299
activemq::wireformat::openwire::marshal::v4::KeepAliveInfoMarshaller, 2331
activemq::wireformat::openwire::marshal::v4::LastPartialCommandMarshaller, 2354
activemq::wireformat::openwire::marshal::v4::LocalTransactionIdMarshaller, 2394
activemq::wireformat::openwire::marshal::v4::MessageAckMarshaller, 2445
activemq::wireformat::openwire::marshal::v4::MessageDispatchMarshaller, 2665
activemq::wireformat::openwire::marshal::v4::MessageDispatchNotificationMarshaller, 2707
activemq::wireformat::openwire::marshal::v4::MessageIdMarshaller, 2737
activemq::wireformat::openwire::marshal::v4::MessageMarshaller, 2763
activemq::wireformat::openwire::marshal::v4::MessagePullMarshaller, 2797
activemq::wireformat::openwire::marshal::v4::NetworkBridgeFilterMarshaller, 2845
activemq::wireformat::openwire::marshal::v4::PartialCommandMarshaller, 2900
activemq::wireformat::openwire::marshal::v4::ProducerAckMarshaller, 3027
activemq::wireformat::openwire::marshal::v4::ProducerIdMarshaller, 3136
activemq::wireformat::openwire::marshal::v4::ProducerInfoMarshaller, 3169
activemq::wireformat::openwire::marshal::v4::RemoveInfoMarshaller, 3194
activemq::wireformat::openwire::marshal::v4::RemoveSubscriptionInfoMarshaller, 3312
activemq::wireformat::openwire::marshal::v4::ReplayCommandMarshaller, 3343
activemq::wireformat::openwire::marshal::v4::ResponseMarshaller, 3350
activemq::wireformat::openwire::marshal::v4::SessionIdMarshaller, 3393
activemq::wireformat::openwire::marshal::v4::SessionInfoMarshaller, 3488
activemq::wireformat::openwire::marshal::v4::ShutdownInfoMarshaller, 3533
activemq::wireformat::openwire::marshal::v4::SubscriptionInfoMarshaller, 3601
activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller, 3802
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller, 3955
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller, 3984
activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller, 4120

4159
activemq::wireformat::openwire::marshal::v5::BrokerInfoMarshaller, 210
activemq::wireformat::openwire::marshal::v5::ConnectionControlMarshaller, 251
activemq::wireformat::openwire::marshal::v5::ConsumerControlMarshaller, 339
activemq::wireformat::openwire::marshal::v5::ConsumerInfoMarshaller, 381
activemq::wireformat::openwire::marshal::v5::ControlCommandMarshaller, 409
activemq::wireformat::openwire::marshal::v5::DataArrayResponseMarshaller, 1595
activemq::wireformat::openwire::marshal::v5::DataResponseMarshaller, 1638
activemq::wireformat::openwire::marshal::v5::DestinationInfoMarshaller, 1809
activemq::wireformat::openwire::marshal::v5::DiscoveryEventMarshaller, 1839
activemq::wireformat::openwire::marshal::v5::ExceptionResponseMarshal 1914
activemq::wireformat::openwire::marshal::v5::FlushCommandMarshaller, 2026
activemq::wireformat::openwire::marshal::v5::IntegerResponseMarshaller, 457
activemq::wireformat::openwire::marshal::v5::JournalQueueAckMarshaller, 503
activemq::wireformat::openwire::marshal::v5::JournalTopicAckMarshaller 569
activemq::wireformat::openwire::marshal::v5::JournalTraceMarshaller, 598
activemq::wireformat::openwire::marshal::v5::JournalTransactionMarshall 627
activemq::wireformat::openwire::marshal::v5::KeepAliveInfoMarshaller, 657
activemq::wireformat::openwire::marshal::v5::LastPartialCommandMarsha 688
activemq::wireformat::openwire::marshal::v5::LocalTransactionIdMarshall 717
activemq::wireformat::openwire::marshal::v5::MessageAckMarshaller, 798
activemq::wireformat::openwire::marshal::v5::MessageDispatchMarshaller 894
activemq::wireformat::openwire::marshal::v5::MessageDispatchNotificatio 927
activemq::wireformat::openwire::marshal::v5::MessageIdMarshaller, 1323
activemq::wireformat::openwire::marshal::v5::MessageMarshaller, 1356
activemq::wireformat::openwire::marshal::v5::MessagePullMarshaller, 1388
activemq::wireformat::openwire::marshal::v5::NetworkBridgeFilterMarsha 1420
activemq::wireformat::openwire::marshal::v5::PartialCommandMarshaller, 1467
activemq::wireformat::openwire::marshal::v5::ProducerAckMarshaller, 1497
activemq::wireformat::openwire::marshal::v5::ProducerIdMarshaller, 1530
activemq::wireformat::openwire::marshal::v5::ProducerInfoMarshaller, 1560
activemq::wireformat::openwire::marshal::v5::RemoveInfoMarshaller,

3308 activemq::wireformat::openwire::marshal::v5::RemoveSubscriptionInfoMarshaller,
3338 activemq::wireformat::openwire::marshal::v5::ReplayCommandMarshaller,
3372 activemq::wireformat::openwire::marshal::v5::ResponseMarshaller,
3403 activemq::wireformat::openwire::marshal::v5::SessionIdMarshaller,
3496 activemq::wireformat::openwire::marshal::v5::SessionInfoMarshaller,
3516 activemq::wireformat::openwire::marshal::v5::ShutdownInfoMarshaller,
3592 activemq::wireformat::openwire::marshal::v5::SubscriptionInfoMarshaller,
3798 activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller,
3939 activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller,
3967 activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller,
4108 activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller,
4172 activemq::wireformat::openwire::marshal::v6::ActiveMQBlobMessageMarshaller,
214 activemq::wireformat::openwire::marshal::v6::ActiveMQBytesMessageMarshaller,
255 activemq::wireformat::openwire::marshal::v6::ActiveMQDestinationMarshaller,
347 activemq::wireformat::openwire::marshal::v6::ActiveMQMapMessageMarshaller,
389 activemq::wireformat::openwire::marshal::v6::ActiveMQMessageMarshaller,
417 activemq::wireformat::openwire::marshal::v6::ActiveMQObjectMessageMarshaller,
465 activemq::wireformat::openwire::marshal::v6::ActiveMQQueueMarshaller,
511 activemq::wireformat::openwire::marshal::v6::ActiveMQStreamMessageMarshaller,
578 activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryDestinationMarshaller,
606 activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryQueueMarshaller,
636 activemq::wireformat::openwire::marshal::v6::ActiveMQTemporaryTopicMarshaller,
666 activemq::wireformat::openwire::marshal::v6::ActiveMQTextMessageMarshaller,
692 activemq::wireformat::openwire::marshal::v6::ActiveMQTopicMarshaller,
722 activemq::wireformat::openwire::marshal::v6::BaseCommandMarshaller,
805 activemq::wireformat::openwire::marshal::v6::BrokerIdMarshaller,
898 activemq::wireformat::openwire::marshal::v6::BrokerInfoMarshaller,
931 activemq::wireformat::openwire::marshal::v6::ConnectionControlMarshaller,
1327 activemq::wireformat::openwire::marshal::v6::ConnectionErrorMarshaller,
1361 activemq::wireformat::openwire::marshal::v6::ConnectionIdMarshaller,
1392 activemq::wireformat::openwire::marshal::v6::ConnectionInfoMarshaller,
1424 activemq::wireformat::openwire::marshal::v6::ConsumerControlMarshaller,
1471 activemq::wireformat::openwire::marshal::v6::ConsumerIdMarshaller,
1501 activemq::wireformat::openwire::marshal::v6::ConsumerInfoMarshaller,
1534 activemq::wireformat::openwire::marshal::v6::ControlCommandMarshaller,
1564 activemq::wireformat::openwire::marshal::v6::DataArrayResponseMarshaller,
1600 activemq::wireformat::openwire::marshal::v6::DataResponseMarshaller,
1642 activemq::wireformat::openwire::marshal::v6::DestinationInfoMarshaller,
1805 activemq::wireformat::openwire::marshal::v6::DiscoveryEventMarshaller,
1818 activemq::wireformat::openwire::marshal::v6::ExceptionResponseMarshaller,
1901 activemq::wireformat::openwire::marshal::v6::FlushCommandMarshaller,
2005 activemq::wireformat::openwire::marshal::v6::IntegerResponseMarshaller,
2166 activemq::wireformat::openwire::marshal::v6::JournalQueueAckMarshaller,
2231 activemq::wireformat::openwire::marshal::v6::JournalTopicAckMarshaller,
2272 activemq::wireformat::openwire::marshal::v6::JournalTraceMarshaller,
2295 activemq::wireformat::openwire::marshal::v6::JournalTransactionMarshaller,
2314 activemq::wireformat::openwire::marshal::v6::KeepAliveInfoMarshaller,
2342 activemq::wireformat::openwire::marshal::v6::LastPartialCommandMarshaller,
2377 activemq::wireformat::openwire::marshal::v6::LocalTransactionIdMarshaller,
2428 activemq::wireformat::openwire::marshal::v6::MessageAckMarshaller,

2652
activemq::wireformat::openwire::marshal::v6::MessageDispatchMarshaller,
2715
activemq::wireformat::openwire::marshal::v6::MessageDispatchNotificationMarshaller,
2724
activemq::wireformat::openwire::marshal::v6::MessageIdMarshaller,
2775
activemq::wireformat::openwire::marshal::v6::MessageMarshaller,
2806
activemq::wireformat::openwire::marshal::v6::MessagePullMarshaller,
2853
activemq::wireformat::openwire::marshal::v6::NetworkBridgeFilterMarshaller,
2888
activemq::wireformat::openwire::marshal::v6::PartialCommandMarshaller,
3009
activemq::wireformat::openwire::marshal::v6::ProducerAckMarshaller,
3149
activemq::wireformat::openwire::marshal::v6::ProducerIdMarshaller,
3181
activemq::wireformat::openwire::marshal::v6::ProducerInfoMarshaller,
3215
activemq::wireformat::openwire::marshal::v6::RemoveInfoMarshaller,
3295
activemq::wireformat::openwire::marshal::v6::RemoveSubscriptionInfoMarshaller,
3334
activemq::wireformat::openwire::marshal::v6::ReplayCommandMarshaller,
3367
activemq::wireformat::openwire::marshal::v6::ResponseMarshaller,
3418
activemq::wireformat::openwire::marshal::v6::SessionInfoMarshaller,
3492
activemq::wireformat::openwire::marshal::v6::ShutdownInfoMarshaller,
3579
activemq::wireformat::openwire::marshal::v6::SubscriptionInfoMarshaller,
3806
activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller,
3959
activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller,
4112
activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller,
4150
tightUnmarshalBrokerError
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
833
tightUnmarshalByteArray
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
833
tightUnmarshalCachedObject
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
833
tightUnmarshalConstByteArray
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
834
tightUnmarshalLong
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
834
tightUnmarshalNestedObject
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
835
tightUnmarshalNull
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
2983
tightUnmarshalString
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller,
835
TIME
decaf::lang::Thread, 4626
time
decaf::lang::System, 3889
TIMED_WAITING
decaf::lang::Thread, 3880
timedJoin
decaf::lang::Thread, 3925
timedWait
decaf::lang::Object, 3925
timeout
decaf::util::concurrent::TimeUnit, 3922
TimeoutException
decaf::util::concurrent::TimeoutException,
3900, 3901
Timer
decaf::util::Timer, 3904
TimerImpl
decaf::util::TimerImpl, 3916
TimerTask
decaf::util::TimerTask, 3915
TimerTaskHeap
decaf::util::TimerTaskHeap,
3918
timestamp
decaf::util::UUID, 4086
TimeUnit
decaf::util::concurrent::TimeUnit, 3922

toArray
activemq::util::ActiveMQProperties, 478
cms::CMSProperties, 1199
decaf::util::AbstractCollection, 170
decaf::util::Collection, 1226
decaf::util::concurrent::SynchronousQueue, 3838
decaf::util::Properties, 3226
decaf::util::StlQueue, 3728
decaf::util::StringTokenizer, 3781
toBinaryString
decaf::lang::Integer, 2156
decaf::lang::Long, 2507
toByteArray
decaf::io::ByteArrayOutputStream, 1049
toDays
decaf::util::concurrent::TimeUnit, 3926
toDegrees
decaf::lang::Math, 2591
toDestinationOption
activemq::core::ActiveMQConstants, 300
toHexFromBytes
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 836
toHexString
decaf::lang::Double, 1851
decaf::lang::Float, 1971
decaf::lang::Integer, 2156
decaf::lang::Long, 2508
toHours
decaf::util::concurrent::TimeUnit, 3926
toMicros
decaf::util::concurrent::TimeUnit, 3926
toMillis
decaf::util::concurrent::TimeUnit, 3927
toMinutes
decaf::util::concurrent::TimeUnit, 3927
toNanos
decaf::util::concurrent::TimeUnit, 3928
toOctalString
decaf::lang::Integer, 2156
decaf::lang::Long, 2508
TOPIC
cms::Destination, 1777
TOPIC_PREFIX
activemq::wireformat::stomp::StompCommandConstants, 3740
TOPIC_QUALIFIED_PREFIX
activemq::commands::ActiveMQDestination, 323
toRadians
decaf::lang::Math, 2592
toSeconds
decaf::util::concurrent::TimeUnit, 3928
toStream
activemq::wireformat::stomp::StompFrame, 3745
toString
activemq::commands::ActiveMQBlobMessage, 189
activemq::commands::ActiveMQBytesMessage, 229
activemq::commands::ActiveMQDestination, 321
activemq::commands::ActiveMQMapMessage, 364
activemq::commands::ActiveMQMessage, 392
activemq::commands::ActiveMQObjectMessage, 440
activemq::commands::ActiveMQQueue, 483
activemq::commands::ActiveMQStreamMessage, 547
activemq::commands::ActiveMQTempDestination, 581
activemq::commands::ActiveMQTempQueue, 610
activemq::commands::ActiveMQTempTopic, 640
activemq::commands::ActiveMQTextMessage, 671
activemq::commands::ActiveMQTopic, 700
activemq::commands::BaseCommand, 770
activemq::commands::BaseDataStructure, 841
activemq::commands::BooleanExpression, 863
activemq::commands::BrokerId, 877
activemq::commands::BrokerInfo, 908
activemq::commands::Command, 1231
activemq::commands::ConnectionControl, 1305
activemq::commands::ConnectionError, 1335

activemq::commands::ConnectionId, 1368
activemq::commands::ConnectionInfo, 1398
activemq::commands::ConsumerControl, 1445
activemq::commands::ConsumerId, 1476
activemq::commands::ConsumerInfo, 1507
activemq::commands::ControlCommand, 1538
activemq::commands::DataArrayResponse, 1574
activemq::commands::DataResponse, 1634
activemq::commands::DataStructure, 1718
activemq::commands::DestinationInfo, 1783
activemq::commands::DiscoveryEvent, 1814
activemq::commands::ExceptionResponse, 1897
activemq::commands::FlushCommand, 2001
activemq::commands::IntegerResponse, 2162
activemq::commands::JournalQueueAck, 2227
activemq::commands::JournalTopicAck, 2255
activemq::commands::JournalTrace, 2283
activemq::commands::JournalTransaction, 2310
activemq::commands::KeepAliveInfo, 2337
activemq::commands::LastPartialCommand, 2373
activemq::commands::LocalTransactionId, 2424
activemq::commands::Message, 2611
activemq::commands::MessageAck, 2647
activemq::commands::MessageDispatch, 2682
activemq::commands::MessageDispatchNotification, 2719
activemq::commands::MessageId, 2754
activemq::commands::MessagePull, 2827
activemq::commands::NetworkBridgeFilter, 2880
activemq::commands::PartialCommand, 3005
activemq::commands::ProducerAck, 3127
activemq::commands::ProducerId, 3160
activemq::commands::ProducerInfo, 3189
activemq::commands::RemoveInfo, 3287
activemq::commands::RemoveSubscriptionInfo, 3317
activemq::commands::ReplayCommand, 3346
activemq::commands::Response, 3382
activemq::commands::SessionId, 3480
activemq::commands::SessionInfo, 3507
activemq::commands::ShutdownInfo, 3575
activemq::commands::SubscriptionInfo, 3785
activemq::commands::TransactionId, 3935
activemq::commands::TransactionInfo, 3963
activemq::commands::WireFormatInfo, 4103
activemq::commands::XATransactionId, 4146
activemq::core::ActiveMQConstants, 300
activemq::state::ConnectionState, 1432
activemq::state::ConsumerState, 1536
activemq::state::ProducerState, 3216
activemq::state::SessionState, 3537
activemq::state::TransactionState, 3991
activemq::util::ActiveMQProperties, 479
activemq::util::PrimitiveList, 3079
activemq::util::PrimitiveMap, 3089
activemq::util::PrimitiveValueNode, 3114
activemq::wireformat::openwire::marshal::BaseDataStreamMarshaller, 836, 837
cms::CMSProperties, 1199
decaf::io::ByteArrayOutputStream, 1049
decaf::io::FilterOutputStream, 1961
decaf::io::InputStream, 2114
decaf::io::OutputStream, 2995
decaf::lang::Boolean, 860
decaf::lang::Byte, 977
decaf::lang::Character, 1134
decaf::lang::CharSequence, 1169
decaf::lang::Double, 1851
decaf::lang::Float, 1971, 1972
decaf::lang::Integer, 2157, 2158

decaf::lang::Long, 2508, 2509
decaf::lang::Short, 3546, 3547
decaf::lang::String, 3778
decaf::lang::Thread, 3886
decaf::net::InetAddress, 2084
decaf::net::ServerSocket, 3456
decaf::net::Socket, 3625
decaf::net::SocketImpl, 3644
decaf::net::URI, 4043
decaf::nio::ByteBuffer, 1078
decaf::nio::CharBuffer, 1165
decaf::nio::DoubleBuffer, 1876
decaf::nio::FloatBuffer, 1996
decaf::nio::IntBuffer, 2141
decaf::nio::LongBuffer, 2533
decaf::nio::ShortBuffer, 3571
decaf::security::cert::Certificate, 1114
decaf::util::concurrent::atomic::AtomicBoolean, 748
decaf::util::concurrent::atomic::AtomicInteger, 753
decaf::util::concurrent::atomic::AtomicReference, 758
decaf::util::concurrent::locks::ReentrantLock, 3278
decaf::util::concurrent::Semaphore, 3442
decaf::util::concurrent::TimeUnit, 3928
decaf::util::Date, 1723
decaf::util::logging::Level, 2407
decaf::util::Properties, 3226
decaf::util::UUID, 4087
total
inflate_state, 2087
total_in
z_stream_s, 4175
total_out
z_stream_s, 4175
toURI
activemq::util::CompositeData, 1254
toURIOption
activemq::core::ActiveMQConstants, 300
toURL
decaf::net::URI, 4043
Trace
zutil.h, 4639
Tracec
zutil.h, 4639
Tracecv
zutil.h, 4639
Tracev
zutil.h, 4639
Tracevv
zutil.h, 4639
track
activemq::state::ConnectionStateTracker, 1439
trackBack
activemq::state::ConnectionStateTracker, 1439
Tracked
activemq::state::Tracked, 3932
TRANSACTION_STATE_BEGIN
activemq::core::ActiveMQConstants, 299
TRANSACTION_STATE_COMMITONEPHASE
activemq::core::ActiveMQConstants, 299
TRANSACTION_STATE_COMMITTWOPHASE
activemq::core::ActiveMQConstants, 299
TRANSACTION_STATE_END
activemq::core::ActiveMQConstants, 299
TRANSACTION_STATE_FORGET
activemq::core::ActiveMQConstants, 299
TRANSACTION_STATE_PREPARE
activemq::core::ActiveMQConstants, 299
TRANSACTION_STATE_RECOVER
activemq::core::ActiveMQConstants, 299
TRANSACTION_STATE_ROLLBACK
activemq::core::ActiveMQConstants, 299
TransactionId
activemq::commands::TransactionId, 3933
transactionId
activemq::commands::JournalTopicAck, 2256
activemq::commands::JournalTransaction, 2311
activemq::commands::Message, 2613
activemq::commands::MessageAck, 2648
activemq::commands::TransactionInfo, 3964
TransactionIdMarshaller

activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller, 3941
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller, 3945
activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller, 3949
activemq::wireformat::openwire::marshal::v4::TransactionIdMarshaller, 3953
activemq::wireformat::openwire::marshal::v5::TransactionIdMarshaller, 3937
activemq::wireformat::openwire::marshal::v6::TransactionIdMarshaller, 3957
TransactionInfo
activemq::commands::TransactionInfo, 3961
TransactionInfoMarshaller
activemq::wireformat::openwire::marshal::v1::TransactionInfoMarshaller, 3969
activemq::wireformat::openwire::marshal::v2::TransactionInfoMarshaller, 3986
activemq::wireformat::openwire::marshal::v3::TransactionInfoMarshaller, 3974
activemq::wireformat::openwire::marshal::v4::TransactionInfoMarshaller, 3982
activemq::wireformat::openwire::marshal::v5::TransactionInfoMarshaller, 3965
activemq::wireformat::openwire::marshal::v6::TransactionInfoMarshaller, 3978
TransactionState
activemq::core::ActiveMQConstants, 299
activemq::state::TransactionState, 3991
transfer
decaf::internal::util::concurrent::TransferQueue, 3993
decaf::internal::util::concurrent::TransferStack, 3995
TransferQueue
decaf::internal::util::concurrent::TransferQueue, 3993
TransferStack
decaf::internal::util::concurrent::TransferStack, 3995
TransportFilter
activemq::transport::TransportFilter, 4007
transportInterrupted
activemq::core::ActiveMQConnection, 281
activemq::state::ConnectionStateTracker, 1439
activemq::transport::DefaultTransportListener, 1758
activemq::transport::failover::FailoverTransportListener, 1947
activemq::transport::TransportFilter, 4013
activemq::transport::TransportListener, 4015
transportResumed
activemq::core::ActiveMQConnection, 281
activemq::transport::DefaultTransportListener, 1758
activemq::transport::failover::FailoverTransportListener, 1947
activemq::transport::TransportFilter, 4013
activemq::transport::TransportListener, 4015
tree_desc
deflate.h, 4623
tree_desc_s, 4018
trees.h
_dist_code, 4629
_length_code, 4629
base_dist, 4629
base_length, 4630
static_dtree, 4630
static_ltree, 4630
TRY_FREE
zutil.h, 4639
tryAcquire
decaf::util::concurrent::Semaphore, 3442–3444
tryLock
activemq::core::MessageDispatchChannel, 2688
decaf::internal::util::concurrent::SynchronizableImpl, 3824
decaf::io::InputStream, 2114
decaf::io::OutputStream, 2996
decaf::util::AbstractCollection, 171
decaf::util::concurrent::ConcurrentStlMap, 1280
decaf::util::concurrent::locks::Lock, 2455, 2457
decaf::util::concurrent::locks::ReentrantLock, 3278, 3279
decaf::util::concurrent::Mutex, 2869

decaf::util::concurrent::Synchronizable, 3815
decaf::util::StlMap, 3719
decaf::util::StlQueue, 3728
trylock
decaf::internal::util::concurrent::MutexImpl, 2873
TYPE
inflate.h, 4627
type
activemq::commands::JournalTransaction, 2311
activemq::commands::Message, 2613
activemq::commands::TransactionInfo, 3964
TYPEDO
inflate.h, 4627

uch
zutil.h, 4639
uchf
zutil.h, 4639
uInt
zconf.h, 4632
uIntf
zconf.h, 4632
ulg
zutil.h, 4639
uLong
zconf.h, 4632
uLongf
zconf.h, 4632
uncaughtException
decaf::lang::Thread::UncaughtExceptionHandler, 4019
UnknownHostException
decaf::net::UnknownHostException, 4020, 4021
UnknownServiceException
decaf::net::UnknownServiceException, 4023, 4024
unlock
activemq::core::MessageDispatchChannel, 2689
decaf::internal::util::concurrent::MutexImpl, 2874
decaf::internal::util::concurrent::SynchronizableImpl, 3824
decaf::io::InputStream, 2114
decaf::io::OutputStream, 2996
decaf::util::AbstractCollection, 171
decaf::util::concurrent::ConcurrentStlMap, 1280
decaf::util::concurrent::Lock, 2451
decaf::util::concurrent::locks::Lock, 2457
decaf::util::concurrent::locks::ReentrantLock, 3279
decaf::util::concurrent::Mutex, 2869
decaf::util::concurrent::Synchronizable, 3816
decaf::util::StlMap, 3720
decaf::util::StlQueue, 3729
unmarshal
activemq::wireformat::openwire::marshal::PrimitiveTypesMar 3094
activemq::wireformat::openwire::OpenWireFormat, 2983
activemq::wireformat::openwire::utils::BooleanStream, 865
activemq::wireformat::stomp::StompWireFormat, 3754
activemq::wireformat::WireFormat, 4091
unmarshalList
activemq::wireformat::openwire::marshal::PrimitiveTypesMar 3095
unmarshalMap
activemq::wireformat::openwire::marshal::PrimitiveTypesMar 3095
unmarshalPrimitive
activemq::wireformat::openwire::marshal::PrimitiveTypesMar 3096
unmarshalPrimitiveList
activemq::wireformat::openwire::marshal::PrimitiveTypesMar 3096
unmarshalPrimitiveMap
activemq::wireformat::openwire::marshal::PrimitiveTypesMar 3096
unpark
decaf::util::concurrent::locks::LockSupport, 2461
unread
decaf::io::PushbackInputStream, 3237, 3238
unregisterFactory
activemq::transport::TransportRegistry, 4018
activemq::wireformat::WireFormatRegistry, 4132
unsetenv
decaf::lang::System, 3846

UNSUBSCRIBE
activemq::wireformat::stomp::StompCommandConstants, 3740
unsubscribe
activemq::cmsutil::PooledSession, 3055
activemq::core::ActiveMQSession, 531
cms::Session, 3474
UnsupportedEncodingException
decaf::io::UnsupportedEncodingException, 4026, 4027
UnsupportedOperationException
cms::UnsupportedOperationException, 4031
decaf::lang::exceptions::UnsupportedOperationException, 4028, 4029
update
decaf::util::zip::Adler32, 731, 732
decaf::util::zip::Checksum, 1175, 1176
decaf::util::zip::CRC32, 1569, 1570
URI
decaf::net::URI, 4034, 4035
URIEncoderDecoder
decaf::internal::net::URIEncoderDecoder, 4045
URIHelper
decaf::internal::net::URIHelper, 4048, 4049
URIParam
activemq::core::ActiveMQConstants, 299
uriParams
activemq::core::ActiveMQConstants::StaticInitializer, 3693
uriParamsMap
activemq::core::ActiveMQConstants::StaticInitializer, 3693
URIPool
activemq::transport::failover::URIPool, 4055
URISyntaxException
decaf::net::URISyntaxException, 4061, 4062
URIType
decaf::internal::net::URIType, 4066
URL
decaf::net::URL, 4073
userID
activemq::commands::Message, 2613
userName
activemq::commands::ConnectionInfo, 1399
ush
zutil.h, 4639
ushf
zutil.h, 4639
UTFDataFormatException
decaf::io::UTFDataFormatException, 4079, 4080
UUID
decaf::util::UUID, 4083

val
code, 1216
valid
decaf::io::FileDescriptor, 1948
validate
decaf::internal::net::URIEncoderDecoder, 4046
validateAuthority
decaf::internal::net::URIHelper, 4051
validateFragment
decaf::internal::net::URIHelper, 4052
validatePath
decaf::internal::net::URIHelper, 4052
validateQuery
decaf::internal::net::URIHelper, 4052
validateScheme
decaf::internal::net::URIHelper, 4053
validateSimple
decaf::internal::net::URIEncoderDecoder, 4046
validateSsp
decaf::internal::net::URIHelper, 4053
validateUserinfo
decaf::internal::net::URIHelper, 4053
value
activemq::commands::BrokerId, 878
activemq::commands::ConnectionId, 1368
activemq::commands::ConsumerId, 1477
activemq::commands::LocalTransactionId, 2424
activemq::commands::ProducerId, 3161
activemq::commands::SessionId, 3480
valueOf
decaf::lang::Boolean, 860
decaf::lang::Byte, 977, 978
decaf::lang::Character, 1134
decaf::lang::Double, 1852

decaf::lang::Float, 1972, 1973
decaf::lang::Integer, 2158, 2159
decaf::lang::Long, 2509, 2510
decaf::lang::Short, 3547
decaf::util::concurrent::TimeUnit, 3928
values
decaf::util::concurrent::ConcurrentStlMap, 1280
decaf::util::concurrent::TimeUnit, 3930
decaf::util::Map, 2550
decaf::util::StlMap, 3720
variant
decaf::util::UUID, 4087
verify
decaf::security::cert::Certificate, 1115
version
decaf::util::UUID, 4087
visit
activemq::commands::BrokerError, 872
activemq::commands::BrokerInfo, 909
activemq::commands::Command, 1232
activemq::commands::ConnectionControl, 1306
activemq::commands::ConnectionError, 1335
activemq::commands::ConnectionInfo, 1398
activemq::commands::ConsumerControl, 1446
activemq::commands::ConsumerInfo, 1508
activemq::commands::ControlCommand, 1538
activemq::commands::DestinationInfo, 1783
activemq::commands::FlushCommand, 2001
activemq::commands::KeepAliveInfo, 2337
activemq::commands::Message, 2612
activemq::commands::MessageAck, 2647
activemq::commands::MessageDispatch, 2682
activemq::commands::MessageDispatchNotification, 2720
activemq::commands::MessagePull, 2827
activemq::commands::ProducerAck, 3127
activemq::commands::ProducerInfo, 3189
activemq::commands::RemoveInfo, 3287
activemq::commands::RemoveSubscriptionInfo, 3317
activemq::commands::ReplayCommand, 3346
activemq::commands::Response, 3382
activemq::commands::SessionInfo, 3508
activemq::commands::ShutdownInfo, 3575
activemq::commands::TransactionInfo, 3963
activemq::commands::WireFormatInfo, 4104
voidp
zconf.h, 4632
voidpc
zconf.h, 4632
voidpf
zconf.h, 4632

w_bits
internal_state, 2191
w_mask
internal_state, 2191
w_size
internal_state, 2191
wait
activemq::core::MessageDispatchChannel, 2689, 2690
decaf::internal::util::concurrent::ConditionImpl, 1293
decaf::internal::util::concurrent::SynchronizableImpl, 3824, 3825
decaf::io::InputStream, 2115, 2116
decaf::io::OutputStream, 2996, 2997
decaf::util::AbstractCollection, 171, 172
decaf::util::concurrent::ConcurrentStlMap, 1280, 1281
decaf::util::concurrent::Mutex, 2870
decaf::util::concurrent::Synchronizable, 3817, 3819, 3820
decaf::util::StlMap, 3720, 3721
decaf::util::StlQueue, 3729, 3730
WAIT_INFINITE
Concurrent.h, 4713
waitforspace
activemq::util::MemoryUsage, 2595
activemq::util::Usage, 4077
WAITING
decaf::lang::Thread, 3880
wakeup

activemq::core::ActiveMQSession, 531
activemq::core::ActiveMQSessionExecutor, 535
activemq::threads::CompositeTaskRunner, 1258
activemq::threads::DedicatedTaskRunner, 1726
activemq::threads::TaskRunner, 3850
want
gz_state, 2041
Warn
decaf::util::logging, 156
warn
decaf::util::logging::SimpleLogger, 3607
WARNING
decaf::util::logging::Level, 2408
warning
decaf::util::logging::Logger, 2474
was
inflate_state, 2087
wasPrepared
activemq::commands::JournalTransaction, 2311
wbits
inflate_state, 2087
what
cms::CMSException, 1194
decaf::lang::Exception, 1893
whave
inflate_state, 2087
WIN_INIT
deflate.h, 4623
window
inflate_state, 2087
internal_state, 2191
window_size
internal_state, 2191
windowSize
activemq::commands::ProducerInfo, 3190
WireFormatInfo
activemq::commands::WireFormatInfo, 4096
WireFormatInfoMarshaller
activemq::wireformat::openwire::marshal::v1::WireFormatInfoMarshaller, 4122
activemq::wireformat::openwire::marshal::v2::WireFormatInfoMarshaller, 4114
activemq::wireformat::openwire::marshal::v3::WireFormatInfoMarshaller, 4126
activemq::wireformat::openwire::marshal::v4::WireFormatInfoMarshaller, 4118
activemq::wireformat::openwire::marshal::v5::WireFormatInfoMarshaller, 4106
activemq::wireformat::openwire::marshal::v6::WireFormatInfoMarshaller, 4110
WireFormatNegotiator
activemq::wireformat::WireFormatNegotiator, 4129
wnext
inflate_state, 2087
work
inflate_state, 2087
wrap
decaf::nio::ByteBuffer, 1078
decaf::nio::CharBuffer, 1166
decaf::nio::DoubleBuffer, 1877
decaf::nio::FloatBuffer, 1997
decaf::nio::IntBuffer, 2142
decaf::nio::LongBuffer, 2534
decaf::nio::ShortBuffer, 3571, 3572
inflate_state, 2087
internal_state, 2191
write
decaf::internal::net::ssl::openssl::OpenSSLSocket, 2954
decaf::internal::net::tcp::TcpSocket, 3859
decaf::internal::util::ByteArrayAdapter, 1003
decaf::io::OutputStream, 2998, 2999
decaf::io::Writer, 4137–4139
WRITE_FAILURE
decaf::util::logging::ErrorManager, 1886
writeBoolean
activemq::commands::ActiveMQBytesMessage, 229
activemq::commands::ActiveMQStreamMessage, 547
activemq::wireformat::openwire::utils::BooleanStream, 865
cms::BytesMessage, 1092
cms::StreamMessage, 3770
decaf::io::DataOutput, 1624
decaf::io::DataOutputStream, 1630
writeByte
activemq::commands::ActiveMQBytesMessage, 229
activemq::commands::ActiveMQStreamMessage, 548
cms::BytesMessage, 1092

cms::StreamMessage, 3771
decaf::io::DataOutput, 1624
decaf::io::DataOutputStream, 1631
writeBytes
activemq::commands::ActiveMQBytesMessage, 230
activemq::commands::ActiveMQStreamMessage, 548, 549
cms::BytesMessage, 1093
cms::StreamMessage, 3771
decaf::io::DataOutput, 1624
decaf::io::DataOutputStream, 1631
writeChar
activemq::commands::ActiveMQBytesMessage, 231
activemq::commands::ActiveMQStreamMessage, 549
cms::BytesMessage, 1093
cms::StreamMessage, 3772
decaf::io::DataOutput, 1625
decaf::io::DataOutputStream, 1631
writeChars
decaf::io::DataOutput, 1625
decaf::io::DataOutputStream, 1631
WriteChecker
activemq::transport::inactivity::InactivityMonitor, 2069
activemq::transport::inactivity::WriteChecker, 4133
writeDouble
activemq::commands::ActiveMQBytesMessage, 231
activemq::commands::ActiveMQStreamMessage, 550
cms::BytesMessage, 1094
cms::StreamMessage, 3772
decaf::io::DataOutput, 1625
decaf::io::DataOutputStream, 1631
writeFloat
activemq::commands::ActiveMQBytesMessage, 231
activemq::commands::ActiveMQStreamMessage, 550
cms::BytesMessage, 1094
cms::StreamMessage, 3773
decaf::io::DataOutput, 1626
decaf::io::DataOutputStream, 1631
writeInt
activemq::commands::ActiveMQBytesMessage, 232
activemq::commands::ActiveMQStreamMessage, 550
cms::BytesMessage, 1095
cms::StreamMessage, 3773
decaf::io::DataOutput, 1626
decaf::io::DataOutputStream, 1631
writeLock
decaf::util::concurrent::locks::ReadWriteLock, 3265
writeLong
activemq::commands::ActiveMQBytesMessage, 232
activemq::commands::ActiveMQStreamMessage, 551
cms::BytesMessage, 1095
cms::StreamMessage, 3773
decaf::io::DataOutput, 1626
decaf::io::DataOutputStream, 1631
Writer
decaf::io::Writer, 4135
writeShort
activemq::commands::ActiveMQBytesMessage, 233
activemq::commands::ActiveMQStreamMessage, 551
cms::BytesMessage, 1095
cms::StreamMessage, 3774
decaf::io::DataOutput, 1627
decaf::io::DataOutputStream, 1631
writeString
activemq::commands::ActiveMQBytesMessage, 233
activemq::commands::ActiveMQStreamMessage, 552
activemq::util::MarshallingSupport, 2574
cms::BytesMessage, 1096
cms::StreamMessage, 3774
writeString16
activemq::util::MarshallingSupport, 2574
writeString32
activemq::util::MarshallingSupport, 2575
writeTo
decaf::io::ByteArrayOutputStream, 1049
writeUnsignedShort
activemq::commands::ActiveMQBytesMessage, 233
activemq::commands::ActiveMQStreamMessage, 552
cms::BytesMessage, 1096
cms::StreamMessage, 3775

decaf::io::DataOutput, 1627
decaf::io::DataOutputStream, 1631
writeUTF
activemq::commands::ActiveMQBytesMessage, 234
cms::BytesMessage, 1097
decaf::io::DataOutput, 1627
decaf::io::DataOutputStream, 1631
written
decaf::io::DataOutputStream, 1631
wsize
inflate_state, 2087

XATransactionId
activemq::commands::XATransactionId, 4144
XATransactionIdMarshaller
activemq::wireformat::openwire::marshal::v1::XATransactionIdMarshaller, 4161
activemq::wireformat::openwire::marshal::v2::XATransactionIdMarshaller, 4152
activemq::wireformat::openwire::marshal::v3::XATransactionIdMarshaller, 4165
activemq::wireformat::openwire::marshal::v4::XATransactionIdMarshaller, 4157
activemq::wireformat::openwire::marshal::v5::XATransactionIdMarshaller, 4169
activemq::wireformat::openwire::marshal::v6::XATransactionIdMarshaller, 4148
xflags
gz_header_s, 2039
XMLFormatter
decaf::util::logging::XMLFormatter, 4173

yield
decaf::lang::Thread, 3886

Z_ASCII
zlib.h, 4636
Z_BEST_COMPRESSION
zlib.h, 4636
Z_BEST_SPEED
zlib.h, 4636
Z_BINARY
zlib.h, 4636
Z_BLOCK
zlib.h, 4636
Z_BUF_ERROR
zlib.h, 4636
Z_DATA_ERROR
zlib.h, 4636
Z_DEFAULT_COMPRESSION
zlib.h, 4636
Z_DEFAULT_STRATEGY
zlib.h, 4636
Z_DEFLATED
zlib.h, 4636
z_errmsg
zutil.h, 4639
Z_ERRNO
zlib.h, 4636
Z_FILTERED
zlib.h, 4636
Z_FINISH
zlib.h, 4636
Z_FIXED
zlib.h, 4636
Z_FULL_FLUSH
zlib.h, 4636
Z_HUFFMAN_ONLY
zlib.h, 4636
Z_MEM_ERROR
zlib.h, 4636
Z_NEED_DICT
zlib.h, 4636
Z_NO_COMPRESSION
zlib.h, 4636
Z_NO_FLUSH
zlib.h, 4636
Z_NULL
zlib.h, 4636
z_off64_t
zconf.h, 4632
z_off_t
zconf.h, 4632
Z_OK
zlib.h, 4636
Z_PARTIAL_FLUSH
zlib.h, 4636
Z_RLE
zlib.h, 4636
z_stream
zlib.h, 4636
Z_STREAM_END
zlib.h, 4636
Z_STREAM_ERROR
zlib.h, 4636
z_stream_s, 4174
adler, 4175
avail_in, 4175

avail_out, 4175
data_type, 4175
msg, 4175
next_in, 4175
next_out, 4175
opaque, 4175
reserved, 4175
state, 4175
total_in, 4175
total_out, 4175
zalloc, 4175
zfree, 4175
z_streamp
zlib.h, 4636
Z_SYNC_FLUSH
zlib.h, 4636
Z_TEXT
zlib.h, 4636
Z_TREES
zlib.h, 4636
Z_UNKNOWN
zlib.h, 4636
Z_VERSION_ERROR
zlib.h, 4636
ZALLOC
zutil.h, 4639
zalloc
z_stream_s, 4175
zconf.h
Byte, 4632
Bytef, 4632
charf, 4632
const, 4632
FAR, 4632
intf, 4632
MAX_MEM_LEVEL, 4632
MAX_WBITS, 4632
OF, 4632
SEEK_CUR, 4632
SEEK_END, 4632
SEEK_SET, 4632
uInt, 4632
uIntf, 4632
uLong, 4632
uLongf, 4632
voidp, 4632
voidpc, 4632
voidpf, 4632
z_off64_t, 4632
z_off_t, 4632
ZEXPORT, 4632
ZEXPORTVA, 4632
ZEXTERN, 4632
ZEXPORT
zconf.h, 4632
ZEXPORTVA
zconf.h, 4632
ZEXTERN
zconf.h, 4632
ZFREE
zutil.h, 4639
zfree
z_stream_s, 4175
ZipException
decaf::util::zip::ZipException, 4176, 4177
zlib.h
deflateInit, 4635
deflateInit2, 4635
gz_header, 4636
gz_headerp, 4636
gzFile, 4636
inflateBackInit, 4635
inflateInit, 4635
inflateInit2, 4636
OF, 4636
Z_ASCII, 4636
Z_BEST_COMPRESSION, 4636
Z_BEST_SPEED, 4636
Z_BINARY, 4636
Z_BLOCK, 4636
Z_BUF_ERROR, 4636
Z_DATA_ERROR, 4636
Z_DEFAULT_COMPRESSION, 4636
Z_DEFAULT_STRATEGY, 4636
Z_DEFLATED, 4636
Z_ERRNO, 4636
Z_FILTERED, 4636
Z_FINISH, 4636
Z_FIXED, 4636
Z_FULL_FLUSH, 4636
Z_HUFFMAN_ONLY, 4636
Z_MEM_ERROR, 4636
Z_NEED_DICT, 4636
Z_NO_COMPRESSION, 4636
Z_NO_FLUSH, 4636
Z_NULL, 4636
Z_OK, 4636
Z_PARTIAL_FLUSH, 4636
Z_RLE, 4636

z_stream, 4636
Z_STREAM_END, 4636
Z_STREAM_ERROR, 4636
z_streamp, 4636
Z_SYNC_FLUSH, 4636
Z_TEXT, 4636
Z_TREES, 4636
Z_UNKNOWN, 4636
Z_VERSION_ERROR, 4636
ZLIB_VER_MAJOR, 4636
ZLIB_VER_MINOR, 4636
ZLIB_VER_REVISION, 4636
ZLIB_VER_SUBREVISION, 4636
ZLIB_VERNUM, 4636
ZLIB_VERSION, 4636
zlib_version, 4636
ZLIB_INTERNAL
gzguts.h, 4625
zutil.h, 4639
ZLIB_VER_MAJOR
zlib.h, 4636
ZLIB_VER_MINOR
zlib.h, 4636
ZLIB_VER_REVISION
zlib.h, 4636
ZLIB_VER_SUBREVISION
zlib.h, 4636
ZLIB_VERNUM
zlib.h, 4636
ZLIB_VERSION
zlib.h, 4636
zlib_version
zlib.h, 4636
zstrerror
gzguts.h, 4625
zutil.h
Assert, 4639
DEF_MEM_LEVEL, 4639
DEF_WBITS, 4639
DYN_TREES, 4639
ERR_MSG, 4639
ERR_RETURN, 4639
F_OPEN, 4639
local, 4639
MAX_MATCH, 4639
MIN_MATCH, 4639
OF, 4639
OS_CODE, 4639
PRESET_DICT, 4639
STATIC_TREES, 4639
STORED_BLOCK, 4639
Trace, 4639
Tracec, 4639
Tracecv, 4639
Tracev, 4639
Tracevv, 4639
TRY_FREE, 4639
uch, 4639
uchf, 4639
ulg, 4639
ush, 4639
ushf, 4639
z_errmsg, 4639
ZALLOC, 4639
ZFREE, 4639
ZLIB_INTERNAL, 4639